

# A Complete Bibliography of *ACM Transactions on Sensor Networks*

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254

FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)

WWW URL: <http://www.math.utah.edu/~beebe/>

05 April 2022

Version 1.43

## Title word cross-reference

5.0 [YYC+19].

**802.15.4** [PEFSV13, PFJ13]. **802.15.4e**  
[TDD+19]. **802.15.4m** [BAP+17].

2 [BY19, CWY+15, TJZ+13]. 3 [Amm16,  
BY19, NXW+22, TJZ+13, TGG+19,  
WWL+16, WJD16, XYW+22, YRB+17]. 2  
[AAHS18].  $\alpha$  [ZH05].  $k$   
[Amm13, Amm16, SCWC13].  $\mu$  [RHS20].  $\times$   
[GDM22].

**-coverage** [Amm13, SCWC13]. **-Covered**  
[Amm16]. **-D** [BY19]. **-lifetime** [ZH05].  
**-Mote** [CWY+15].

1 [SMS22].

2 [BNN+20, XDX+14].

**A-MAC** [DDHC+12]. **Abstraction**  
[JJ15, RKJ09]. **Accelerating** [CS17].  
**Accelerations** [ZHL+15]. **Access**  
[SBSD18, ZHJ+20, PFJ13, RDR07].  
**Accuracy** [LHX+21, BHA+13]. **Accurate**  
[AHK16, COS19, CLX+21, PKC+18,  
VTY18, ZLW+15]. **ACES** [FBAG20].  
**Achieving** [VHC+09, WC13, ZGHZ12].  
**Acoustic** [CK09, GYNY16, LWH+22,  
GAJ+06, KVI+13, SHY13]. **Acoustical**  
[MKK+13]. **acquisition** [AAA06]. **Across**  
[HPS+18, SPK+10]. **Activation**  
[MNLZ18, BCL+12, HR13, JKK08]. **Active**

[MGS<sup>+</sup>15, IW14]. **Activities** [KSR<sup>+</sup>20]. **Activity** [Pha16, WHYC19, YYSL08, dLM14]. **Actor** [WHST16]. **Acts** [HL17]. **aCtuation** [WWB<sup>+</sup>19]. **actuator** [GRE<sup>+</sup>07, PCR13, ZVPS10]. **Ad** [CS17, CS18, VDV16, CVY09, DRC06, KPK12, LYG<sup>+</sup>13, NJS05, PR10, SS13]. **ad-hoc** [CVY09, SS13]. **Adaptation** [HL17, BCL<sup>+</sup>12, CUdVY13, EMBP12, SPK14, XTZ08]. **Adapting** [JJ15]. **Adaptive** [AKSM15, BCMY22, CRZ<sup>+</sup>20, HF17, HKG<sup>+</sup>19, KCE<sup>+</sup>20, LDZ13, LMZ<sup>+</sup>16, LC14b, LHX16, SGM08, SCWC13, YTR<sup>+</sup>22, ZCLJ14, KLJ12, KRJ09, PDMJ10, QM13, YH13]. **Adjustable** [FLS<sup>+</sup>14, MZW<sup>+</sup>19]. **Advanced** [AH14, ZYZ<sup>+</sup>19]. **Adversarial** [SYT22]. **Aerial** [HWS<sup>+</sup>20]. **After** [HBW<sup>+</sup>18]. **After-sales** [HBW<sup>+</sup>18]. **Against** [TDD<sup>+</sup>19, CKHP19, LPV<sup>+</sup>09, LWCJ14, NLD08, SYT22, WWZ<sup>+</sup>21, WC09, WC12, XBWX13, ZSJN07]. **agent** [JR08]. **Agents** [SHWW20]. **AGgregation** [YS07, ARWK19, BYD<sup>+</sup>15, CCC<sup>+</sup>21, CDR08, HMLJ17, HLN<sup>+</sup>11, LCC<sup>+</sup>17, SCL<sup>+</sup>14, WWZ<sup>+</sup>21, XAKV15, ZSZ20, CCMT09, CC11, CNMH08, ELR08, Kal10, KLJ12, MS09, NGSA08, ZJX10]. **Agreement** [YLSZ19]. **Ahead** [RS19]. **Ahead-of-time** [RS19]. **ahoi** [RHS20]. **Air** [CML<sup>+</sup>21, LWL<sup>+</sup>21, YXG<sup>+</sup>19]. **AirContour** [YXG<sup>+</sup>19]. **Algorithm** [AH20, CS17, LWX<sup>+</sup>21, CNMH08, CVY09, FKMS06, KLC13]. **algorithmic** [Su07]. **Algorithms** [TJLK14, WJD16, BLWY06, CKL<sup>+</sup>09, Dji10, MAG13, NEKK12, ZSG09]. **Alive** [BR15]. **Allocation** [HCL15, MSAJ18, YM14, ZGX<sup>+</sup>16, SC12]. **AMOC** [ZHJ<sup>+</sup>20]. **Amongst** [MSAJ18]. **Analysis** [BAP<sup>+</sup>17, BQB<sup>+</sup>11, CPL<sup>+</sup>20, CML<sup>+</sup>21, DIE14, FC18, GKRW17, LCC10, MB16, PS17, RDR07, XYW<sup>+</sup>22, ZJZ12, CKL<sup>+</sup>09, JTS09, JKS<sup>+</sup>10, PFJ13, WKA14, ZK07, ZBA07]. **Analytic** [LPR09]. **Analytcs** [BIMD19, FPA<sup>+</sup>20]. **Analyzing** [LM10a, LM10b]. **anchor** [TJZ<sup>+</sup>13]. **anchor-free** [TJZ<sup>+</sup>13]. **angle** [BGJ09]. **Anisotropic** [ZLW<sup>+</sup>15, LH09]. **anomalies** [RBLP09]. **Anomaly** [DD11, IPMGL18, PC10, dLM14]. **anonymity** [YSZC13]. **Antennas** [YTB<sup>+</sup>14, ZJZ12]. **Appliance** [NZM21]. **Application** [JAC19, KKRR15, YCL<sup>+</sup>19, LHRM09, WZL08, IBS<sup>+</sup>10]. **Application-specific** [IBS<sup>+</sup>10]. **Applications** [BASM16, DLG<sup>+</sup>21, LLX<sup>+</sup>22, RFB<sup>+</sup>14, TJLK14, WJZ21, XZL<sup>+</sup>20, ZHL<sup>+</sup>15, ACG<sup>+</sup>13, CHN<sup>+</sup>13, CCJ08, LM10a, LM10b, LS10, SPK<sup>+</sup>10, ZSG09]. **applying** [YPW<sup>+</sup>13]. **Apportionment** [WCV<sup>+</sup>18, WJ21]. **Approach** [CLX<sup>+</sup>21, GHZ<sup>+</sup>22, KPRH14, LDGG21, MCLM20, SBCF20, SZ19, SGB15, TCN<sup>+</sup>17, WYY<sup>+</sup>19, ABM13, EGG13, HM07b, IR12, KBD14, LS10, NJS05, Su07, VAC13, WWLX13, XRH<sup>+</sup>13, ZLGG10]. **approaches** [EFI<sup>+</sup>10]. **Approximate** [CG18, LCC<sup>+</sup>17]. **approximately** [Kal10]. **Approximation** [Dji10]. **ApproxNet** [XKW<sup>+</sup>22]. **APs** [YYXL22]. **Aquatic** [WTX<sup>+</sup>16]. **Architecture** [HBW<sup>+</sup>18, PGG<sup>+</sup>10]. **Area** [DSH16, DGS16, Hau14, LFNS14, MSAJ18, RHD17, ZZX<sup>+</sup>20, CJS11, HM07b, HR13, KNSM14, LYG<sup>+</sup>13, YSM08]. **Arms** [LJLW19]. **Arrivals** [JZL<sup>+</sup>19]. **AS-MAC** [QM13]. **as-rigid-as-possible** [ZLGG10]. **As-You-Go** [GCAK17]. **Assessment** [BAP<sup>+</sup>17, KR18]. **Assignment** [MKM<sup>+</sup>20, LWH<sup>+</sup>06, RJL<sup>+</sup>10, TP07]. **Assignments** [HBKP14]. **Assisted** [DGS16, DPB19, LLZ<sup>+</sup>22, WLZ13]. **association** [WL14]. **Assurance** [WRYL11]. **AsTAR** [YTR<sup>+</sup>22]. **Asymmetric** [KLC<sup>+</sup>16]. **asymmetry** [SAZ10, ZK07]. **Asymptotic** [VMS10]. **Asynchronous** [ELR08, HY07, LLL14, WLD10]. **ATPC** [LMZ<sup>+</sup>16]. **Attack** [CD21, GJT<sup>+</sup>22, TDD<sup>+</sup>19, WWZ<sup>+</sup>21].

**Attack-aware** [GJT<sup>+</sup>22]. **Attacks** [CKHP19, CPL<sup>+</sup>20, LWCJ14, MB16, SBCF20, CKL<sup>+</sup>09, LPV<sup>+</sup>09, NZR10, NLD08, PX13, XWDN12, ZSJN07]. **Attestation** [KBD13]. **audio** [LCH<sup>+</sup>09]. **Auditing** [TCN<sup>+</sup>17]. **Augmented** [LLZ<sup>+</sup>22, SPK14]. **Authenticated** [YLSZ19]. **Authentication** [LHZZ20, LTDZ22, NLD08, WDLN09, XWDN12, ZSJN07]. **authenticity** [ADF12]. **Authority** [AKC<sup>+</sup>18]. **Auto** [KRP15, RKRP17]. **AutoCalib** [BTR<sup>+</sup>18]. **Automated** [NLH<sup>+</sup>19]. **Automatic** [BTR<sup>+</sup>18, FBAG20]. **Autonomous** [SAK<sup>+</sup>19]. **AutoWitness** [GPL<sup>+</sup>12]. **AUVs** [RHS20]. **Availability** [ZGH<sup>+</sup>21, ADF12]. **Average** [CG18]. **Averages** [Kou18]. **avoidance** [WEC11]. **Aware** [ARWK19, BIMD19, EA15, MCLM20, RBS16, TNBG18, XXHL16, XZL<sup>+</sup>20, XKW<sup>+</sup>22, YXFL17, ZZZ<sup>+</sup>20, COS19, CCC<sup>+</sup>21, DLD09, FS13, GAJ<sup>+</sup>06, GJT<sup>+</sup>22, HR13, LDG<sup>+</sup>21, LCC10, MKM<sup>+</sup>20, ZGH<sup>+</sup>21, HBLR05].

**Backscatter** [ZLZ21]. **Balancing** [KKP18, LP08, LKA10]. **Band** [GTL19, SCS22]. **Bands** [SMS22]. **Bandstitched** [PKC<sup>+</sup>18]. **bandwidth** [CHN<sup>+</sup>13, CRW07, EMBP12]. **bandwidth-constrained** [CRW07]. **Barometer** [DSA<sup>+</sup>20]. **BaroSense** [DSA<sup>+</sup>20]. **Barrier** [FLS<sup>+</sup>14, CLX09]. **base** [SH09]. **Based** [AH14, BNN<sup>+</sup>20, CKHP19, EY14, GCAK17, HMLJ17, HSL<sup>+</sup>15, JAC19, KGBS18, KLC<sup>+</sup>16, Kou18, KRP15, LWCJ14, LWX<sup>+</sup>21, MDC17, MNLZ18, NGBB14, RKRP17, SMR<sup>+</sup>14, SLC<sup>+</sup>22, SUZK19, SZG<sup>+</sup>15, WJD16, WTX<sup>+</sup>16, WZZ<sup>+</sup>21, WMT<sup>+</sup>19, XCT<sup>+</sup>16, XYW<sup>+</sup>22, XWW<sup>+</sup>20, XJR<sup>+</sup>17, XDM<sup>+</sup>21, YSK<sup>+</sup>15, YRB<sup>+</sup>17, ZZZ<sup>+</sup>22, ZSZ20, ZLL<sup>+</sup>22, AAA06, BLWY06, BJW<sup>+</sup>22, CLSW12, EMBP12, GCRB12, GBS08, HSGW21, HM07a, HCXT09, JHU<sup>+</sup>13, KBD14, KKK08, KPS12, KAS<sup>+</sup>10, LWG09, LHZZ20, LL21, LTDZ22, LND08, LHX<sup>+</sup>21, MDM<sup>+</sup>20, MS12, NEKK12, NJS05, NLH<sup>+</sup>19, PDMJ10, RS19, SW22, SGM08, SCL<sup>+</sup>19, TJZ<sup>+</sup>13, TXC<sup>+</sup>13, TBL07, VG10, VAC13, WYY<sup>+</sup>19, WZLM21, WHYC19, YH13, YXG<sup>+</sup>19, ZKS10, ZJX10, ZLZ21, ZZ21, ZDS<sup>+</sup>21, ZBA07, BHA<sup>+</sup>13]. **bases** [JLYG13]. **Bats** [DML<sup>+</sup>16]. **Battery** [CKHP19, HKG<sup>+</sup>19, SCL<sup>+</sup>19, ZLGL19, ZLGL20]. **Battery-Free** [ZLGL19, SCL<sup>+</sup>19, ZLGL20]. **Bayesian** [BT18, NP12, ORRJ12, WB17]. **beamforming** [FLJ<sup>+</sup>13]. **Beams** [TCB<sup>+</sup>14]. **Bed** [AJH<sup>+</sup>20]. **Behavior** [HL17, KGBS18, NDM<sup>+</sup>13, ZGH<sup>+</sup>21]. **Behavior-aware** [ZGH<sup>+</sup>21]. **Behavior-oriented** [NDM<sup>+</sup>13]. **Behaviors** [KSR<sup>+</sup>20]. **belief** [WL14]. **belts** [CLX09]. **benchmark** [LDH06]. **benefits** [JSBN<sup>+</sup>12]. **between** [FLFW13]. **Beyond** [YJWL13]. **Bi** [JAC19]. **Bi-dimensional** [JAC19]. **BikeGPS** [CT19]. **BikeNet** [EML<sup>+</sup>09]. **Bikes** [CT19]. **Bin** [YRB<sup>+</sup>17]. **Bin-Based** [YRB<sup>+</sup>17]. **Binary** [BQB<sup>+</sup>11, LMP14, SKM<sup>+</sup>11, SMMS09, WBS10]. **biological** [KAH<sup>+</sup>10]. **Bit** [HCL15]. **Blind** [BY19]. **BLITZ** [SDBT19]. **block** [LDH06]. **BLOW** [WWL<sup>+</sup>16]. **Blueprints** [LSW14]. **Bluetooth** [YYC<sup>+</sup>19]. **Body** [AJH<sup>+</sup>20, DSH16, DGS16, Hau14, MSAJ18, RHD17, LYG<sup>+</sup>13, VG10]. **bogus** [XWDN12]. **BOND** [MCGZ21]. **both** [HTW07]. **Bottleneck** [MCGZ21]. **bound** [ZH05]. **Boundaries** [Sch15]. **Boundary** [CS17, CS18, SSGM10, ZBA07]. **Bounds** [Bra07, JTE20, MCW<sup>+</sup>16]. **breach** [CRW07]. **Breaking** [YYXL22]. **Brick** [FC18]. **Bridging** [ZWWZ20]. **Bringing** [IHGS15]. **Broadcast** [XCC<sup>+</sup>15, ZLGL19, JROH09, NLD08, SGM08, WDLN09, XWDN12]. **broadcasting** [HM07a]. **Buffer** [WJZ21]. **buffering** [LCC10]. **bugs** [KLA<sup>+</sup>14]. **Building** [ECPC14, FPA<sup>+</sup>20, KOD<sup>+</sup>14, LCM21, SCL<sup>+</sup>14, YXG<sup>+</sup>19]. **Buildings**

[ABC<sup>+</sup>18, CHSA18, HBW<sup>+</sup>18, WCV<sup>+</sup>18, ZWWZ20]. **BuildSense** [COS19]. **BuildSys'17** [NJZ18]. **Built** [AKC<sup>+</sup>18]. **bulk** [GCRB12]. **Bytecode** [RS19].

**C4IoT** [GDM22]. **cache** [PA05]. **Caching** [XFZ<sup>+</sup>21]. **CAG** [YS07]. **Calibrating** [KNSM14]. **Calibration** [BTR<sup>+</sup>18, CML<sup>+</sup>21, DRC06, TXY<sup>+</sup>13]. **CAMA** [DRW<sup>+</sup>14]. **Camera** [BTR<sup>+</sup>18, GLQ<sup>+</sup>22, TAT14, TMAP14, CHN<sup>+</sup>13, DRC06, ES12, ELYR14, IW14, KNSM14, MCT14, SPK14, ST12, WL14, WC13]. **Cameras** [DXC<sup>+</sup>21, YRB<sup>+</sup>17, EGG13]. **Campaigns** [DD11]. **Can** [LSW14]. **cane** [HBC<sup>+</sup>09]. **canonical** [TP07]. **Canyons** [CT19]. **capabilities** [Bra07]. **capacitor** [ZGHZ12]. **capacitor-driven** [ZGHZ12]. **Capacity** [BIST18, HR13, LFW<sup>+</sup>19, ZJZ12]. **Capacity-** [HR13]. **CapNet** [SSL<sup>+</sup>19]. **Capping** [SSL<sup>+</sup>19]. **Capture** [DRW<sup>+</sup>14, MDC17]. **Carpooling** [ZHZ<sup>+</sup>16]. **Carries** [ZHJ<sup>+</sup>20]. **Cascaded** [RSK<sup>+</sup>21].

**Case** [COP<sup>+</sup>16, ZGJ<sup>+</sup>22, IV12, JKS<sup>+</sup>10, MRM09]. **Casual** [WTC22]. **Catching** [GSW09]. **CATS** [ZGX<sup>+</sup>16]. **CDS** [FKMS06]. **Cell** [JHU<sup>+</sup>13]. **Cell-based** [JHU<sup>+</sup>13]. **Cellular** [BRR<sup>+</sup>18, ZZX<sup>+</sup>20]. **Center** [LWL<sup>+</sup>21, SSL<sup>+</sup>19]. **Centers** [CTW<sup>+</sup>15]. **Centric** [HCL15, LCM21, XDX<sup>+</sup>14, CUdVY13, LCH<sup>+</sup>09, YSM08]. **certification** [GSL10]. **Chain** [PK20]. **Chaining** [XZL<sup>+</sup>20]. **Challenges** [RDP16, RGB<sup>+</sup>17]. **Channel** [KR18, NK15, TNBG18, WZLM21, SC12, XTZ08]. **Channels** [GM14, LWH<sup>+</sup>22, VMS10, WWXY13]. **Characterization** [ZZX<sup>+</sup>20]. **Charge** [SCG<sup>+</sup>15, ZZZ<sup>+</sup>20]. **Charge-Aware** [ZZZ<sup>+</sup>20]. **Charging** [CKHP19, LDC<sup>+</sup>19, LXR<sup>+</sup>16, LWX<sup>+</sup>21, MZW<sup>+</sup>19, YWD<sup>+</sup>21, ZWY21]. **checking** [KA13]. **Chief** [Liu21]. **Child** [CJL<sup>+</sup>20]. **Children** [YRB<sup>+</sup>17]. **Chromophore** [BNN<sup>+</sup>20]. **ciphers** [LDH06]. **City** [WJ21, XFZ<sup>+</sup>21]. **City-wide** [WJ21].

**Classification** [AJH<sup>+</sup>20, RSK<sup>+</sup>21, XKW<sup>+</sup>22, YRB<sup>+</sup>17]. **classifying** [BNG12]. **Clear** [KR18]. **Clients** [XKW<sup>+</sup>22]. **Clock** [JTE20, VTY18]. **clocks** [SSC<sup>+</sup>10]. **Clothing** [SZX17]. **CloudNavi** [TGG<sup>+</sup>19]. **Clouds** [TGG<sup>+</sup>19, TTBH14]. **Cluster** [AH20, KKK08, NGBB14, HM07a, JKS<sup>+</sup>10]. **Cluster-based** [KKK08, HM07a]. **Cluster-tree** [AH20, JKS<sup>+</sup>10]. **clustered** [MZWT10, YS07]. **Clustering** [LHX<sup>+</sup>21, MB09]. **Clustering-based** [LHX<sup>+</sup>21]. **CMAC** [LFS09]. **CNN** [LTDZ22]. **CNN-based** [LTDZ22]. **CO** [AAHS18]. **coal** [LL09]. **coalition** [VAC13]. **Code** [DCBL15, PBM11, QM13]. **codebook** [ZLZ21]. **coded** [ME21]. **Codes** [DML<sup>+</sup>16, JJ15]. **Coding** [EA15, JAC19, VRSR15, WKYH17, DVS<sup>+</sup>14, KAAF13, MB09, WZL08]. **Coding-Aware** [EA15]. **Coexistence** [DSH16]. **Coexisting** [MSAJ18]. **CoHop** [WZLM21]. **Cold** [SMZ<sup>+</sup>17]. **Cold-Start** [SMZ<sup>+</sup>17]. **Collaboration** [PCPK14, SWYW21]. **Collaborative** [CRZ<sup>+</sup>20, GSL10, HM07a, KQ14, LLZ<sup>+</sup>22, LWY<sup>+</sup>21, WYY<sup>+</sup>19]. **Collaboratively** [LSW14]. **Collection** [DDA11, HLN<sup>+</sup>11, JJ15, LCLY22, WBS14, YB17, ZLGL20, GFJ<sup>+</sup>13, JHU<sup>+</sup>13, LKA10, Su07, WZL08]. **collision** [CCC<sup>+</sup>21]. **Combinatorial** [TCB<sup>+</sup>14, RR09, Su07]. **ComFor** [Amm16]. **Commercial** [WCV<sup>+</sup>18, ZZX<sup>+</sup>20].

**Communication** [BY19, CSA06, CD21, DGS16, EY14, FM15, GM14, GHZ<sup>+</sup>22, Hau14, HBW<sup>+</sup>18, ME21, PK20, RHS20, SBS18, SMS22, SCS22, SDBT19, ZGJ<sup>+</sup>22, ZDS<sup>+</sup>21, KGGK11, KAR<sup>+</sup>14, LJY<sup>+</sup>10, PDMJ10, XLZ<sup>+</sup>07]. **communication-efficient** [KGGK11]. **Communications** [WWFX11, WLS<sup>+</sup>16, ZLZ21, SYL09].

**Communities** [SBSD18]. **compact** [SZG13]. **Comparative** [MPRS16, MPC<sup>+</sup>10, RBD13]. **Compensation** [BNN<sup>+</sup>20, WJZ21, XXHL16, SC12]. **Compilation** [RS19]. **Complex** [CS18, LFNS14, TJLK14, WHYC19, LWG09]. **Complex-Valued** [WHYC19]. **Complexity** [VRSR15, GJNC<sup>+</sup>14, KLA<sup>+</sup>14, MB09]. **Complexity-Constrained** [VRSR15]. **Component** [AH14]. **Component-Based** [AH14]. **components** [TLRE13]. **Composite** [Amm16]. **Composition** [FM15]. **Compression** [AKSM15, AH14, JAC19, LL16, RBD13, TCN<sup>+</sup>17, WB17, ZMVR14, HM07a, KLJ12, PKG08]. **Compressive** [CGB<sup>+</sup>19, EA15, XAKV15, ZLL<sup>+</sup>22]. **compromise** [DLD09, PX13]. **compromises** [SZZC08]. **Compromising** [LHX<sup>+</sup>21]. **Computation** [SHWW20]. **computational** [XRS10]. **computer** [IW14]. **Computing** [LDG<sup>+</sup>21, LLX<sup>+</sup>22, SHWW20, Dji10]. **concave** [WX08]. **Concealed** [ARWK19]. **Concept** [WZL08]. **Concepts** [BASM16]. **Concurrency** [LCH<sup>+</sup>19b, LCH<sup>+</sup>20]. **Concurrent** [CP20]. **condition** [TBL07]. **condition-based** [TBL07]. **Conditioning** [CA22]. **conditions** [FT06]. **Configuration** [FBAG20, JZX<sup>+</sup>20, WWXY13, XWZ<sup>+</sup>05, XLZ<sup>+</sup>07]. **conflicting** [WKA14]. **Congestion** [DSA<sup>+</sup>20, KKK08, WEC11]. **Connected** [GCAK17, SBSB18, YTB<sup>+</sup>14, ZDG09]. **Connectivity** [BGMP15, ENPNF13, LWG09, TJZ<sup>+</sup>13, WJD16, CJS11, HTW07, XWZ<sup>+</sup>05]. **Connectivity-Based** [WJD16, LWG09, TJZ<sup>+</sup>13]. **Consensus** [RBS16]. **Consensus-Aware** [RBS16]. **conservation** [XWZ<sup>+</sup>05, YPW<sup>+</sup>13]. **conserving** [HLTC06, PA05]. **Considering** [PZOZ21]. **Consistency** [JM16]. **constant** [FT06, LHRM09]. **Constrained** [DBOD<sup>+</sup>16, LDC<sup>+</sup>19, VRSR15, ZMVR14, BJW<sup>+</sup>22, CSA06, CRW07, RS19]. **Constraints** [RD16, YWD<sup>+</sup>21, GCBL06]. **Constructing** [PSB<sup>+</sup>14]. **Construction** [SCL<sup>+</sup>19, WWL<sup>+</sup>16, WJD16, PR10]. **Consumption** [JZX<sup>+</sup>20, LP08]. **Contactless** [LJLW19]. **Containing** [XWDN12]. **Contamination** [PK19]. **Content** [XFZ<sup>+</sup>21, XKW<sup>+</sup>22]. **Contention** [XKW<sup>+</sup>22, DIE14, RDR07, ZJX10]. **Contention-Aware** [XKW<sup>+</sup>22]. **contention-based** [ZJX10]. **Context** [BIMD19, KSR<sup>+</sup>20, YXFL17]. **Context-Aware** [BIMD19, YXFL17]. **Contextual** [LJW<sup>+</sup>21]. **Continuous** [LHZZ20, LTDZ22, JHU<sup>+</sup>13, WZL08]. **Contour** [YXG<sup>+</sup>19, SCWC13]. **Contour-based** [YXG<sup>+</sup>19]. **contract** [GDM22]. **Control** [GTL19, HL17, JZL<sup>+</sup>19, KCE<sup>+</sup>20, KPCB20, LWL<sup>+</sup>21, LMZ<sup>+</sup>16, PK20, WCPC20, IW14, KKK08, KRJ09, LSW06, NC10, OBB<sup>+</sup>13, SG10, WWLX13, ZCLJ14]. **Controlled** [KSMH13, PG10]. **Controlling** [BIST18]. **Convenient** [CWS<sup>+</sup>22]. **convergent** [LFS09]. **Convex** [CS18, TJLK14]. **Convolutional** [LHZZ20]. **cooled** [LWL<sup>+</sup>21]. **Cooperation** [CT19, HWS<sup>+</sup>20]. **Cooperative** [BIMD19, DSH16, DGS16, Lam15, LK09, NK14, ZGX<sup>+</sup>16, SYL09]. **coordinate** [DABNR10]. **Coordinated** [YYXL22]. **coordinates** [CA06]. **Correction** [JTE20, KRP15, RKRP17, KLC13]. **Correlated** [HCL15, WKYH17, GNDC08, JP06]. **Correlation** [SUZK19, WZLM21, PKG08]. **Correlation-based** [WZLM21]. **Correlations** [LWY<sup>+</sup>21, JKK08, YS07]. **Cost** [CWS<sup>+</sup>22, COS19, CML<sup>+</sup>21, LFL<sup>+</sup>19, TAT14, ODCP13]. **Cost-aware** [COS19]. **CoUAS** [HWS<sup>+</sup>20]. **count** [NEKK12]. **Countersniper** [LNV<sup>+</sup>05].

**Counterstrategy** [CPL<sup>+</sup>20]. **Counting** [CG18]. **Counts** [HCL15]. **Cov** [Amm16]. **Cov-ComFor** [Amm16]. **cover** [ZDG09]. **Coverage** [CRW07, FLS<sup>+</sup>14, GM14, KQ12, Lam15, LFNS14, MZWT10, MCT14, MAG13, SAK<sup>+</sup>19, SCL<sup>+</sup>19, YTB<sup>+</sup>14, Amm13, Bra07, CGVC06, CLX09, CLH<sup>+</sup>13, CGD12, ENPNF13, HLTC06, HTW07, LP06, MRM09, SCWC13, WC13, WLZ13, XWZ<sup>+</sup>05, YYM<sup>+</sup>10, YLL13]. **coverage-preserving** [HLTC06]. **Covered** [Amm16]. **CPU** [JCZ<sup>+</sup>22]. **created** [MPC<sup>+</sup>10]. **Credential** [YLSZ19]. **criteria** [MCT14]. **Critical** [CJS11, CML<sup>+</sup>21, PSB<sup>+</sup>14, TYGW15]. **CRONOS** [SZ19]. **Cross** [CD21, GHZ<sup>+</sup>22, KPRH14, SMS22, SCS22, WXL<sup>+</sup>19, ZGJ<sup>+</sup>22]. **Cross-Layer** [KPRH14]. **Cross-Technology** [CD21, GHZ<sup>+</sup>22, WXL<sup>+</sup>19, ZGJ<sup>+</sup>22, SMS22, SCS22]. **Crowd** [HSL<sup>+</sup>15, MJS<sup>+</sup>19, SLC<sup>+</sup>22, SML18, ZZ21]. **Crowd-sensed** [SLC<sup>+</sup>22]. **Crowd-Sensing** [SML18]. **crowded** [KQ12]. **CrowdLoc** [BRR<sup>+</sup>18]. **Crowds** [BRR<sup>+</sup>18]. **Crowdsensing** [CGB<sup>+</sup>19, Kou18, LLZ<sup>+</sup>20, RGB<sup>+</sup>17, RFS<sup>+</sup>19, TGG<sup>+</sup>17, WYY<sup>+</sup>19, ZLL<sup>+</sup>22, ZGH<sup>+</sup>21]. **Crowdsourcer** [LLZ<sup>+</sup>20]. **Crowdsourcing** [DSA<sup>+</sup>20, MKM<sup>+</sup>20, PZOZ21]. **CSI** [WHYC19]. **CTP** [GFJ<sup>+</sup>13]. **Current** [AMTH<sup>+</sup>17, BJR15]. **Curve** [WWL<sup>+</sup>16, WJD16]. **cuts** [SST08]. **Cyber** [KSR<sup>+</sup>20, SJH<sup>+</sup>18, SDX<sup>+</sup>20]. **Cyber-Physical** [SJH<sup>+</sup>18, SDX<sup>+</sup>20]. **Cycle** [GLS<sup>+</sup>14, Pha16, XCC<sup>+</sup>15, PEFSV13, SPK14, WWLX13]. **Cycled** [Amm16, BGMP15, LCH<sup>+</sup>19b, SSC<sup>+</sup>10, YH13]. **Cycling** [LLL14, NK15, ZZZ<sup>+</sup>20, JCC<sup>+</sup>13]. **cyclist** [EML<sup>+</sup>09].

**D** [Amm16, TJZ<sup>+</sup>13, BY19, NXW<sup>+</sup>22, TJZ<sup>+</sup>13, TGG<sup>+</sup>19, WWL<sup>+</sup>16, WJD16, XYW<sup>+</sup>22, YRB<sup>+</sup>17]. **D-** [Amm16]. **D/** [TJZ<sup>+</sup>13]. **D2D** [WYY<sup>+</sup>19]. **DAML** [ZSZ20]. **Data** [ARWK19, AAHS18, ADF12, BYD<sup>+</sup>15, CTW<sup>+</sup>15, DD11, DDA11, EA15, GJT<sup>+</sup>22, GZZ<sup>+</sup>14, HMLJ17, HBKP14, HLN<sup>+</sup>11, HL17, HCL15, JZL<sup>+</sup>19, KYM17, LWL<sup>+</sup>21, LLX<sup>+</sup>14, LWCJ14, LC14a, LLZ<sup>+</sup>20, LCM21, LCLY22, PSB<sup>+</sup>14, SSL<sup>+</sup>19, SJH<sup>+</sup>18, SZ19, SCL<sup>+</sup>14, SLC<sup>+</sup>22, SXD<sup>+</sup>15, SG11, SWYW21, TCN<sup>+</sup>17, WRYL11, WWZ<sup>+</sup>21, WJ21, WBS14, XAKV15, YB17, ZGX<sup>+</sup>16, ZSZ20, ZLL<sup>+</sup>22, ZLGL20, Amm13, AAA06, CDGC12, CCMT09, CC11, CNMH08, CGD12, CUdVY13, FLJ<sup>+</sup>13, GCBL06, GNDC08, JHU<sup>+</sup>13, JP06, Kal10, KBD13, KLJ12, KLA<sup>+</sup>14, KVI<sup>+</sup>13, LM10a, LM10b, LKA10, LK09, MDC<sup>+</sup>09, NRC<sup>+</sup>09, NP12, NDM<sup>+</sup>13, ORRJ12, PA05, PH10, RKW<sup>+</sup>06, SG10, TXY<sup>+</sup>13, TJWK13, WL14, WZL08, WLD10, ZKS10, ZJX10, ZSJN07]. **Data-Anomaly** [DD11]. **Data-Centric** [HCL15, LCM21, CUdVY13]. **Data-driven** [LC14a, WJ21]. **data-rate** [LM10a, LM10b]. **datasets** [SGG10]. **DCS** [CUdVY13]. **Deadline** [YWD<sup>+</sup>21]. **Dealing** [NZR10]. **Decentralized** [HLTC06, KRJ09, VDV16]. **Decode** [ZDS<sup>+</sup>21]. **Decomposition** [AAHS18]. **Dedicated** [LZN19]. **Deep** [BNPR20, CLX<sup>+</sup>21, LWL<sup>+</sup>21, LTDZ22, SYT22, XFZ<sup>+</sup>21]. **DeepHeart** [CLX<sup>+</sup>21]. **DeepMTD** [SYT22]. **Defending** [LWCJ14, XTZ08]. **Defense** [SYT22]. **DeFFusion** [LTDZ22]. **Delay** [DBOD<sup>+</sup>16, KPK12, PS17, VRSR15, WXL<sup>+</sup>19, WWLX13]. **delays** [LWSL12]. **Delivery** [KLC<sup>+</sup>16, PSB<sup>+</sup>14, WXL<sup>+</sup>19, PH10]. **demand** [KPB<sup>+</sup>08]. **Democratizing** [AKC<sup>+</sup>18]. **dense** [NEKK12]. **denser** [JSBN<sup>+</sup>12]. **density** [CJS11]. **Dependable** [TNBG18, WRYL11]. **Depleting** [CPL<sup>+</sup>20]. **deployed** [Amm13]. **deploying** [GRE<sup>+</sup>07]. **Deployment** [DLD09, GCAK17, DEM<sup>+</sup>12, JSBN<sup>+</sup>12, KC14, LN05, MPS10, OBB<sup>+</sup>13, RR09, SCWC13]. **Deployment-aware**

[DLD09]. **deprivation** [SZZC08]. **Depth** [YRB<sup>+</sup>17]. **derived** [KLC13]. **Design** [BR15, CPP<sup>+</sup>17, DEM<sup>+</sup>12, FC18, GKRW17, HBC<sup>+</sup>09, LCH<sup>+</sup>09, OBB<sup>+</sup>13, ODCP13, PDP<sup>+</sup>17, RFB<sup>+</sup>14, XDX<sup>+</sup>14, ZWY21, CK09, TBL07, ZSG09]. **Designing** [COP<sup>+</sup>16, SBS18]. **designs** [RR09]. **Detecting** [GZZ<sup>+</sup>14, SST08, YRB<sup>+</sup>17]. **Detection** [AJH<sup>+</sup>20, ARWK19, BNPR20, CS17, CS18, CA22, DD11, DSA<sup>+</sup>20, HSL<sup>+</sup>15, IPMGL18, LZZ<sup>+</sup>15, MNLZ18, NXW<sup>+</sup>22, PTDD16, Sch15, SDC10, XWW<sup>+</sup>20, Bra07, CGVC06, KBD14, KC14, KPK12, LPR09, NP12, PC10, TXC<sup>+</sup>13, TTBH14, WEC11, WRS10, ZDW<sup>+</sup>10, dLM14, SGG10]. **detector** [GAJ<sup>+</sup>06]. **determine** [RMB<sup>+</sup>10]. **Determining** [IPMGL18]. **Deterministic** [BDO14, BQB<sup>+</sup>11, SC15, SB16]. **Developing** [SMR<sup>+</sup>14, GRE<sup>+</sup>07]. **Development** [DLG<sup>+</sup>21, ODCP13]. **Device** [JCZ<sup>+</sup>22, ME21, SWYW21]. **Device-to-device** [ME21]. **Devices** [GDM22, HPS<sup>+</sup>18, JZX<sup>+</sup>20, LDG<sup>+</sup>21, LWX<sup>+</sup>21, MDM<sup>+</sup>20, RS19, SDX<sup>+</sup>20, XWW<sup>+</sup>20, XJR<sup>+</sup>17, KNSM14, MKK<sup>+</sup>13]. **Diagnosis** [YSK<sup>+</sup>15]. **Diagnostic** [SEZA13]. **Diary** [FSSR15]. **DICTUM** [WWB<sup>+</sup>19]. **differences** [XRS10]. **Differentiating** [KR18]. **diffusion** [Gel07, NGS08]. **Digraphs** [KKRR15]. **Dimensional** [Amm16, JAC19]. **Dimensioning** [JKS<sup>+</sup>10]. **Direct** [Den09]. **Directed** [JROH09, EFI<sup>+</sup>10]. **Directional** [YTB<sup>+</sup>14, ZJZ12]. **Directions** [AMTH<sup>+</sup>17]. **Discovery** [MJS<sup>+</sup>19, ZHL<sup>+</sup>15, ZGH<sup>+</sup>21, ZVPS10]. **Discrete** [KKP18]. **DISH** [TDD<sup>+</sup>19]. **Disjoint** [HSD16]. **disk** [FKMS06]. **Dispatching** [MCLM20]. **Disruptive** [PS17, SXD<sup>+</sup>15]. **dissemination** [FLJ<sup>+</sup>13]. **Distance** [HMLJ17, KASD09, SS13, YJWL13]. **Distance-Based** [HMLJ17]. **distance-sensitive** [KASD09]. **distances** [XRS10]. **distortion** [GCBL06, VMS10]. **Distributed** [AH20, AHK16, BYD<sup>+</sup>15, BJR15, BIST18, CVY09, CPH06, DRC06, HTW07, JJ15, LED20, LWSL12, LH09, LWCJ14, SZG13, SGB15, VRSR15, WL14, WBS10, WWL<sup>+</sup>16, YM14, YLL13, ZLL<sup>+</sup>22, ABM13, CNMH08, ELYR14, FS13, FKMS06, GJNC<sup>+</sup>14, KC14, KASD09, PG09, TMAP14, WC09, WC12, ZVPS10, ZSJ06, TDD<sup>+</sup>19, WWB<sup>+</sup>19]. **Distribution** [CTW<sup>+</sup>15, PK19, SPK<sup>+</sup>10, ZW05]. **distributions** [SZG13]. **Districts** [ZZX<sup>+</sup>20]. **diversity** [KAR<sup>+</sup>14]. **Division** [ZYZ<sup>+</sup>19]. **DNN** [JYB<sup>+</sup>21]. **DOA** [BY19]. **DOA/Symbols** [BY19]. **Does** [RSK<sup>+</sup>21]. **Dominating** [SCL<sup>+</sup>19]. **Doorway** [GKRW17]. **Doppler** [KAS<sup>+</sup>10]. **Downtime** [SXD<sup>+</sup>15]. **Downward** [IIPK20, KLC<sup>+</sup>16, KJP<sup>+</sup>15]. **Drift** [KRP15, RKRP17]. **Driven** [PK19, SZ19, JLZL19, LC14a, SPK<sup>+</sup>10, SLC<sup>+</sup>22, WJ21, ZGHZ12]. **Driver** [ZGH<sup>+</sup>21]. **Drivers** [XWW<sup>+</sup>20]. **Driving** [BNPR20]. **Drones** [SAK<sup>+</sup>19]. **droplet** [LCC<sup>+</sup>13]. **Drowsiness** [XWW<sup>+</sup>20]. **DrunkWalk** [CRZ<sup>+</sup>20]. **Dual** [ZLZ21]. **Dual-codebook-based** [ZLZ21]. **DualMOP** [KJP<sup>+</sup>15]. **During** [CGB<sup>+</sup>19, JYB<sup>+</sup>21]. **Duty** [Amm16, BGMP15, GLS<sup>+</sup>14, LLL14, LCH<sup>+</sup>19b, PEFSV13, Pha16, XCC<sup>+</sup>15, ZZZ<sup>+</sup>20, JCC<sup>+</sup>13, SSC<sup>+</sup>10, SPK14, WWLX13, YH13]. **Duty-Cycle** [GLS<sup>+</sup>14, Pha16, PEFSV13, WWLX13]. **Duty-Cycled** [Amm16, BGMP15, LCH<sup>+</sup>19b, SSC<sup>+</sup>10, YH13]. **Duty-Cycling** [LLL14]. **DutyCon** [WWLX13]. **dWatch** [XWW<sup>+</sup>20]. **Dynamic** [AHK16, CQDW21, DD11, FM15, GM14, GDM22, Lam15, LDG<sup>+</sup>21, MDM<sup>+</sup>20, ME21, NC10, RKW<sup>+</sup>06, SBS18, SGB15, WRYL11, WB17, WJZ21, YLSZ19, ZKS10,

ZYZ<sup>+19</sup>, IR12, KBD14, WWLX13].  
**Dynamically** [SML18].

**Each** [CWS<sup>+22</sup>]. **Early** [JYB<sup>+21</sup>].  
**earthquake** [TXC<sup>+13</sup>]. **eavesdropping**  
 [PX13]. **economic** [ELYR14]. **ECPC**  
 [SXD<sup>+15</sup>]. **ECT** [WXL<sup>+19</sup>]. **eDeepSave**  
 [JYB<sup>+21</sup>]. **Edge**  
 [JYB<sup>+21</sup>, LLZ<sup>+22</sup>, LDG<sup>+21</sup>, LLX<sup>+22</sup>,  
 ME21, SHWW20, XZL<sup>+20</sup>, XFZ<sup>+21</sup>].  
**Edge-assisted** [LLZ<sup>+22</sup>]. **Edge-coded**  
 [ME21]. **Edge-Computing-Supported**  
 [SHWW20]. **Editor** [Liu21].  
**Editor-in-Chief** [Liu21]. **Editorial** [Liu21].  
**Effect** [DRW<sup>+14</sup>, MDC17]. **Efficiency**  
 [LFW<sup>+19</sup>, XCC<sup>+15</sup>, FLFW13, SYL09,  
 VAC13, WIF<sup>+11</sup>]. **Efficient**  
 [Amm16, CCMT09, CA22, DRW<sup>+14</sup>,  
 DCBL15, DML<sup>+16</sup>, EA15, GNDC08,  
 HSGW21, HBKP14, IIPK20, KLC<sup>+16</sup>,  
 LED20, LWM<sup>+21</sup>, LHX<sup>+21</sup>, MCLM20,  
 NGBB14, NZLH15, PBM11, PCPK14,  
 SDBT19, VPB<sup>+20</sup>, WTX<sup>+16</sup>, WLS<sup>+16</sup>,  
 WMT<sup>+19</sup>, XXHL16, YB17, ZSKH08, AH20,  
 CNMH08, CLH<sup>+13</sup>, CGD12, DDHC<sup>+12</sup>,  
 FLJ<sup>+13</sup>, GCRB12, GCBL06, GFJ<sup>+13</sup>,  
 HKL<sup>+06</sup>, JCC<sup>+13</sup>, KPB<sup>+08</sup>, KGGK11,  
 KW09, LPV<sup>+09</sup>, LDZ13, LWY<sup>+21</sup>, LFS09,  
 MP10, NLH<sup>+19</sup>, Su07, TJWK13, TBL07,  
 VG10, WEC11, WBS10, WLD10, WLW<sup>+20</sup>,  
 ZLZ21, ZLGL20, ELR08, ZSJ06]. **EH**  
 [AMAT<sup>+18</sup>]. **EH-WSNs** [AMAT<sup>+18</sup>].  
**eigenvector** [CLS12]. **Electrical** [VTY18].  
**Electromagnetic** [LTY18]. **Elements**  
 [DDA11]. **elephants** [GSW09]. **Elliptical**  
 [RBLP09]. **Embedded**  
 [CBSA18, DCBL15, JZX<sup>+20</sup>, XKW<sup>+22</sup>,  
 IV12, LJY<sup>+10</sup>, MKK<sup>+13</sup>, SSC<sup>+10</sup>].  
**Emotion** [JLZL19, SMZ<sup>+17</sup>].  
**Emotion-driven** [JLZL19]. **Empirical**  
 [DGS16, GKRW17, SDTL10]. **Empowered**  
 [KCE<sup>+20</sup>]. **Emstar** [GRE<sup>+07</sup>]. **Emulation**  
 [HSSS17, ZGJ<sup>+22</sup>]. **Enable** [HWS<sup>+20</sup>].  
**Enabled** [DSH16, KOD<sup>+14</sup>, WWZ<sup>+21</sup>].

**Enabling** [CWS<sup>+22</sup>, DXC<sup>+21</sup>, LJW<sup>+21</sup>,  
 MNLZ18, PHKK17, SMS22, SCS22].  
**Encode** [WKYH17]. **Encoding** [SMS22].  
**encrypted** [CCMT09]. **Encryption**  
 [TCN<sup>+17</sup>]. **End** [YSK<sup>+15</sup>, WWLX13].  
**end-to-end** [WWLX13]. **Energy**  
 [AMAT<sup>+18</sup>, AH20, Amm16, BDO14,  
 BASM16, CBSA18, CKHP19, CCC<sup>+21</sup>,  
 CPL<sup>+20</sup>, DBOD<sup>+16</sup>, DML<sup>+16</sup>, EA15,  
 ECPC14, FLJ<sup>+13</sup>, FBAG20, HSSS17,  
 JZL<sup>+19</sup>, JCC<sup>+13</sup>, KOD<sup>+14</sup>, KLC<sup>+16</sup>,  
 KPB<sup>+08</sup>, KW09, LPV<sup>+09</sup>, LED20, LLL14,  
 LWY<sup>+21</sup>, LWM<sup>+21</sup>, LFW<sup>+19</sup>, MDM<sup>+20</sup>,  
 NZLH15, NZM21, PA05, SPK<sup>+10</sup>, SDBT19,  
 TCN<sup>+17</sup>, TJWK13, TBL07, VAC13,  
 WEC11, WLD10, WTX<sup>+16</sup>, WCV<sup>+18</sup>,  
 WJ21, XCC<sup>+15</sup>, XXHL16, YTR<sup>+22</sup>,  
 YXFL17, YB17, ZLYW19, ZZZ<sup>+20</sup>, ZLZ21,  
 ZWY21, ZMVR14, ABM13, CNMH08,  
 CLH<sup>+13</sup>, CGD12, FLFW13, GAJ<sup>+06</sup>,  
 HKL<sup>+06</sup>, HLTC06, HR13, Kal10, LP08,  
 LDZ13, LFS09, SYL09, SGM08, SS13, Su07,  
 SC12, WBS10, WIF<sup>+11</sup>, XWZ<sup>+05</sup>,  
 YPW<sup>+13</sup>, ZGHZ12, MGS<sup>+15</sup>].  
**energy-aware** [GAJ<sup>+06</sup>, HR13].  
**Energy-collision-aware** [CCC<sup>+21</sup>].  
**Energy-conserving** [PA05, HLTC06].  
**Energy-Delay** [DBOD<sup>+16</sup>].  
**Energy-Depleting** [CPL<sup>+20</sup>].  
**Energy-driven** [SPK<sup>+10</sup>].  
**Energy-Efficient**  
 [Amm16, DML<sup>+16</sup>, EA15, KLC<sup>+16</sup>, LED20,  
 LWM<sup>+21</sup>, NZLH15, SDBT19, WTX<sup>+16</sup>,  
 XXHL16, YB17, AH20, FLJ<sup>+13</sup>, JCC<sup>+13</sup>,  
 KPB<sup>+08</sup>, KW09, LPV<sup>+09</sup>, LWY<sup>+21</sup>,  
 TJWK13, TBL07, WEC11, WLD10, ZLZ21,  
 CNMH08, CLH<sup>+13</sup>, CGD12, HKL<sup>+06</sup>,  
 LDZ13, LFS09, WBS10]. **Energy-Fairness**  
 [LLL14]. **Energy-Harvesting** [AMAT<sup>+18</sup>,  
 JZL<sup>+19</sup>, CCC<sup>+21</sup>, MDM<sup>+20</sup>, MGS<sup>+15</sup>].  
**Energy-Optimal** [BDO14].  
**Energy-Saving** [YXFL17, SGM08].  
**Enhanced** [SJH<sup>+18</sup>, ZYZ<sup>+19</sup>]. **Enhancing**  
 [BHA<sup>+13</sup>, WHYC19]. **EnHANTs**



[MGS<sup>+</sup>15]. **Enlargement** [PTDD16]. **ensuring** [HTW07]. **Entropy** [RKRP17]. **Entropy-Based** [RKRP17]. **EnviroMic** [LCH<sup>+</sup>09]. **Environment** [AKC<sup>+</sup>18, JYB<sup>+</sup>21, LFNS14, WTX<sup>+</sup>16, GRE<sup>+</sup>07]. **Environmental** [DD11, Kou18, ACG<sup>+</sup>13, IBS<sup>+</sup>10, ORRJ12]. **Environments** [GM14, GKRW17, HSSS17, MNLZ18, XCT<sup>+</sup>16, KMS<sup>+</sup>10, WX08]. **epidemic** [DLD09]. **equal** [MPC<sup>+</sup>10]. **equally** [NCV09]. **Erasure** [DML<sup>+</sup>16]. **Erasure-Resilient** [VRSR15]. **Error** [PPM15, VRSR15, AAA06]. **error-based** [AAA06]. **Error/Erasure** [VRSR15]. **Error/Erasure-Resilient** [VRSR15]. **Errors** [GZZ<sup>+</sup>14, GHZ<sup>+</sup>22]. **establishment** [HM07b]. **Estimating** [GLQ<sup>+</sup>22, Kou18]. **Estimation** [BY19, CLX<sup>+</sup>21, DSA<sup>+</sup>20, KYM17, KRP15, SMR<sup>+</sup>14, WWL15, ZGJ<sup>+</sup>22, BKM<sup>+</sup>12, CK09, FS13, KQ12, LWL12, SAZ10, SC12, VMS10, WLW12]. **Estimation-Based** [KRP15]. **Estimator** [WZZ<sup>+</sup>21]. **Euclidean** [CLS12, KA13]. **evaluation** [HBC<sup>+</sup>09, KA13, LPR09, LCH<sup>+</sup>09, ODCP13, RBD13, SCWC13]. **Event** [CA22, ES12, IPMGL18, SDBT19, WJZ21, ZHCA17, KPK12]. **Event-Triggered** [SDBT19]. **events** [YYM<sup>+</sup>10]. **Every** [HCL15]. **Everywhere** [Ka10]. **Evolution** [CQDW21, KKRR15, PCR13]. **Evolving** [GDM22]. **Examples** [SYT22]. **Execution** [MDM<sup>+</sup>20]. **Exercise** [MNLZ18]. **Exergames** [COP<sup>+</sup>16]. **Exit** [JYB<sup>+</sup>21]. **experience** [EML<sup>+</sup>09]. **Experiences** [BASM16, CPP<sup>+</sup>17, LGTL19, OBB<sup>+</sup>13]. **experimental** [PG09]. **Experimentation** [MGS<sup>+</sup>15]. **Exploiting** [BNN<sup>+</sup>20, LCH<sup>+</sup>19b, LWH<sup>+</sup>22, SSL<sup>+</sup>19, VTY18, WXL<sup>+</sup>19]. **Exploring** [MCGZ21]. **exponents** [VMS10]. **exposure** [Dji10]. **Extending** [CWY<sup>+</sup>15, HKG<sup>+</sup>19]. **Extraction** [PCPK14]. **Face** [LHX<sup>+</sup>21, HBLR05]. **Face-Aware** [HBLR05]. **Facts** [LGTL19]. **Fading** [GM14]. **Failure** [BCMY22, KBD14]. **Fair** [LDC<sup>+</sup>19]. **Fairness** [LLL14]. **false** [CDGC12, ZSJM07]. **Familiarity** [PZOZ21]. **FAR** [HBLR05]. **Fast** [BLGS19, MZW<sup>+</sup>19, PKC<sup>+</sup>18]. **Fault** [COS19, CHSA18, JTE20, LMP14, NRC<sup>+</sup>09, NP12]. **Fault-Tolerant** [LMP14, COS19]. **faults** [SGG10]. **Faulty** [GZZ<sup>+</sup>14]. **Feasibility** [BAP<sup>+</sup>17]. **Feature** [LTDZ22]. **features** [LC14a]. **Fi** [ZZZ<sup>+</sup>22]. **Fidelity** [CTW<sup>+</sup>15]. **Field** [ZYZ<sup>+</sup>19, Dji10, MRM09, WLZ13, WLW12, XRH<sup>+</sup>13, ZW05, ZSG09]. **Fields** [TJLK14]. **Filling** [WWL<sup>+</sup>16, WJD16]. **filtering** [CDGC12]. **Filters** [TCB<sup>+</sup>14]. **Fine** [MB16]. **Fine-Grained** [MB16]. **Fingerprinting** [BRR<sup>+</sup>18, JCZ<sup>+</sup>22, LDGG21, WTC22]. **Fingerprints** [KK15, LXY<sup>+</sup>22]. **finite** [ENPNF13]. **FIRST** [RFS<sup>+</sup>19]. **Fit** [RSK<sup>+</sup>21]. **Flash** [LLX<sup>+</sup>14]. **Flash-Optimized** [LLX<sup>+</sup>14]. **flat** [CK13]. **Flexibility** [BSI<sup>+</sup>15]. **Flood** [IIPK20]. **Flooding** [BLGS19]. **Flow** [PK19, SZG<sup>+</sup>15, KPS12]. **Flow-Based** [SZG<sup>+</sup>15]. **Flux** [SML18]. **Flying** [CPP<sup>+</sup>17]. **Fog** [BIMD19]. **Follower** [XDM<sup>+</sup>21]. **Following** [WPL<sup>+</sup>16]. **Food** [PK20]. **Footprinting** [WJ21]. **Footprints** [WCV<sup>+</sup>18, ZZX<sup>+</sup>20]. **Force** [EFI<sup>+</sup>10]. **Force-directed** [EFI<sup>+</sup>10]. **Forecasting** [CTW<sup>+</sup>15, LL21]. **Forests** [DPB19]. **formation** [VAC13]. **Forward** [KKRR15]. **Forward-Secure** [KKRR15]. **Forwarding** [Amm16, Den09, LCH<sup>+</sup>19b, WBS14, HCXT09, LFS09, SGM08]. **Framework** [Amm16, DBOD<sup>+</sup>16, FM15, GDM22, HBKP14, LZN19, NK14, NZLH15, RFS<sup>+</sup>19, SJH<sup>+</sup>18, SLC<sup>+</sup>22, SUZK19, VPB<sup>+</sup>20, CA06, CC11, CGD12, GBS08, HZGS05, KBD13, KT11, MS09, SPK14]. **Free** [LWL<sup>+</sup>21, Sch15, WHST16, ZLW<sup>+</sup>15, ZLGL19, GJT<sup>+</sup>22, HCXT09, SCL<sup>+</sup>19,

TJZ<sup>+13</sup>, WTC22, ZLGL20]. **Free-cooled** [LWL<sup>+21</sup>]. **Frequency** [LWCJ14, ACG<sup>+13</sup>]. **Frequency-Based** [LWCJ14]. **ftTRACK** [LMP14]. **Full** [SCL<sup>+19</sup>, WC13]. **full-view** [WC13]. **Fusion** [HPS<sup>+18</sup>, HBKP14, LTDZ22, MCW<sup>+16</sup>, TXC<sup>+13</sup>, ZDW<sup>+10</sup>, RKW<sup>+06</sup>, TXY<sup>+13</sup>]. **Fusion-based** [TXC<sup>+13</sup>]. **Future** [AMTH<sup>+17</sup>, RKW<sup>+06</sup>]. **Fuzzy** [YRB<sup>+17</sup>].

**Gains** [IPMGL18]. **Gait** [XYW<sup>+22</sup>, XJR<sup>+17</sup>, ZZZ<sup>+22</sup>, XJR<sup>+17</sup>]. **Gait-Based** [XJR<sup>+17</sup>, ZZZ<sup>+22</sup>]. **Gait-Key** [XJR<sup>+17</sup>]. **GaitSense** [ZZZ<sup>+22</sup>]. **GaitTracker** [XYW<sup>+22</sup>]. **Game** [CPL<sup>+20</sup>, DSH16, DBOD<sup>+16</sup>, ABM13, VAC13, YLL13]. **Game-Theoretic** [CPL<sup>+20</sup>, VAC13]. **Gathering** [EA15, HCL15, Amm13, CGD12, GCBL06, GNDC08, Kal10, WLD10]. **Gauss** [KLC13]. **Gaussian** [ORRJ12, WZZ<sup>+21</sup>]. **General** [LZN19, CLX09]. **Generation** [LWH<sup>+22</sup>, PKC<sup>+18</sup>, XJR<sup>+17</sup>, ELYR14]. **Generic** [LZZ<sup>+15</sup>, ZHL<sup>+15</sup>]. **Genus** [WJD16]. **Geographic** [LFL<sup>+19</sup>, WS14, ZSKH08]. **Geomagnetic** [WTC22]. **Geomagnetism** [WMT<sup>+19</sup>]. **geometric** [ABM06, NEKK12]. **geometry** [XRS10]. **Geospatial** [KRP15]. **Gesture** [YXG<sup>+19</sup>]. **GHz** [SMS22, SCS22]. **GINSENG** [OBB<sup>+13</sup>]. **Go** [GCAK17, SYOY12]. **goals** [LHRM09]. **Gossip** [SZG11]. **GPFS** [LL21]. **GPIO** [JZX<sup>+20</sup>]. **GPS** [CT19, FSSR15, GPL<sup>+12</sup>, JCC<sup>+13</sup>]. **gradient** [HCXT09]. **gradient-based** [HCXT09]. **Grained** [MB16]. **Graph** [LL21, WYY<sup>+19</sup>, ELYR14, NEKK12, ZBA07]. **Graph-based** [LL21, WYY<sup>+19</sup>]. **Graphical** [WZZ<sup>+21</sup>]. **graphs** [FKMS06]. **Grayspaces** [BAP<sup>+17</sup>]. **greedy** [KT11]. **Green** [SBSD18]. **Greenifying** [ABC<sup>+18</sup>]. **GreenLocs** [NZLH15]. **Grid** [VTY18, WWZ<sup>+21</sup>, RR09]. **grid-group** [RR09]. **Grids** [KKP18]. **Group** [LND08, CLS12, MPS10, RR09]. **Group-based** [LND08]. **grouping** [RKJ09]. **Guarantee** [SCL<sup>+19</sup>]. **Guaranteed** [WS14]. **guaranteeing** [CLX09]. **guarantees** [WWLX13]. **guided** [BJW<sup>+22</sup>].

**H** [CRZ<sup>+20</sup>]. **H-DrunkWalk** [CRZ<sup>+20</sup>]. **handover** [ELYR14]. **Handovers** [JYB<sup>+21</sup>]. **Harmonium** [PKC<sup>+18</sup>]. **Harvesting** [AMAT<sup>+18</sup>, BASM16, FBAG20, HSSS17, JZL<sup>+19</sup>, YTR<sup>+22</sup>, ZZZ<sup>+20</sup>, ZWY21, CCC<sup>+21</sup>, MDM<sup>+20</sup>, MGS<sup>+15</sup>]. **Hazards** [PDP<sup>+17</sup>]. **HDACS** [XAKV15]. **healing** [PMST12]. **Health** [BWCW14]. **Heart** [CLX<sup>+21</sup>]. **Heartbeat** [KAH<sup>+10</sup>]. **Heat** [SZX17]. **Heterogeneity** [ZZZ<sup>+20</sup>, Amm13]. **Heterogeneous** [CRZ<sup>+20</sup>, LWY<sup>+21</sup>, LFW<sup>+19</sup>, SGB15, SWYW21, TYGW15, BCL<sup>+12</sup>, GRE<sup>+07</sup>, LP06, LPR09, LSW06, RKJ09]. **Heterogeneous-device** [SWYW21]. **Hidden** [MCGZ21, LCC<sup>+13</sup>]. **Hierarchical** [SZG11, XAKV15, IV12, LDZ13]. **High** [CTW<sup>+15</sup>, KKP18, MNLZ18, PDP<sup>+17</sup>, PCPK14, RKRP17, WJD16, YSK<sup>+15</sup>, ACG<sup>+13</sup>, GBS08]. **High-** [RKRP17]. **High-End** [YSK<sup>+15</sup>]. **High-Fidelity** [CTW<sup>+15</sup>]. **high-frequency** [ACG<sup>+13</sup>]. **High-Level** [PDP<sup>+17</sup>]. **High-Mobility** [MNLZ18]. **High-Rate** [PCPK14]. **Histograms** [CG18]. **Hoc** [CS17, CS18, VDV16, CVY09, DRC06, KPK12, LYG<sup>+13</sup>, NJS05, PR10, SZ19, SS13]. **Holistic** [DLG<sup>+21</sup>, LCC<sup>+17</sup>]. **Home** [HPS<sup>+18</sup>, LL21, LSW14]. **homogeneous** [MPS10]. **Hop** [DGS16, GTL19, NEKK12, ZSJM07]. **hop-by-hop** [ZSJM07]. **hop-count-based** [NEKK12]. **Hopping** [TNBG18, WZLM21]. **Human** [Hau14, LL21, YXFL17, ZZZ<sup>+22</sup>, ZHJ<sup>+20</sup>, YSM08]. **human-centric** [YSM08]. **Human-related** [ZHJ<sup>+20</sup>]. **humans** [GJNC<sup>+14</sup>]. **hUmidity** [WWB<sup>+19</sup>]. **HVAC**

[ABC<sup>+</sup>18]. **Hybrid** [AKSM15, ZLYW19, ES12, HBC<sup>+</sup>09, PFJ13]. **hypothesis** [AAA06].

**IdealVolting** [KBW16]. **Identification** [CWS<sup>+</sup>22, CRY<sup>+</sup>10, HPS<sup>+</sup>18, HSL<sup>+</sup>15, KGBS18, NZLH15, WLW<sup>+</sup>20, ZZZ<sup>+</sup>22, ZHJ<sup>+</sup>20]. **Identifying** [CJL<sup>+</sup>20]. **iDiary** [FSSR15]. **IEEE** [BAP<sup>+</sup>17, PEFSV13, PFJ13, RDR07, TDD<sup>+</sup>19]. **Image** [LLZ<sup>+</sup>22, NLH<sup>+</sup>19]. **Image-based** [NLH<sup>+</sup>19]. **imagers** [KAH<sup>+</sup>10]. **Images** [LDGG21]. **Impact** [Amm13, NCV10, PKG08].

**implementation** [GAJ<sup>+</sup>06, LCH<sup>+</sup>09, TBL07]. **Implementing** [MWS08]. **Improve** [KSR<sup>+</sup>20]. **Improved** [RS19, SS13, FKMS06]. **improvement** [ZJZ12]. **Improving** [KCPC13, LN05, MDC17]. **In-Air** [YXG<sup>+</sup>19]. **In-Bed** [AJH<sup>+</sup>20]. **In-Network** [BJR15, ELR08, KBD13]. **In-situ** [WLW12, WWL15]. **Inaudible** [LWH<sup>+</sup>22].

**Incentive** [LLZ<sup>+</sup>20, RDP16, YCL<sup>+</sup>19, ZZ21].

**Incidents** [MSB17]. **Incremental** [PPM15, PBM11]. **Indexing** [LLX<sup>+</sup>14, HZGS05]. **Indoor** [LZZ<sup>+</sup>15, LJW<sup>+</sup>21, NZLH15, NLH<sup>+</sup>19, PKC<sup>+</sup>18, TAT14, TGG<sup>+</sup>17, TGG<sup>+</sup>19, WMT<sup>+</sup>19, XCT<sup>+</sup>16, XDM<sup>+</sup>21].

**Indoor-Outdoor** [TGG<sup>+</sup>17].

**Indoor/Outdoor** [LZZ<sup>+</sup>15]. **Induction** [JCZ<sup>+</sup>22]. **inequality** [YJWL13]. **inertia** [YPW<sup>+</sup>13]. **Inertial** [MNLZ18, XYW<sup>+</sup>22].

**Inexpensive** [RHS20]. **Inference** [JYB<sup>+</sup>21, SUZK19]. **Inferring** [SZX17].

**Information** [CDGC12, GLQ<sup>+</sup>22, HLN<sup>+</sup>11, RGB<sup>+</sup>17, RFS<sup>+</sup>19, BKS13, BGJ09, KVI<sup>+</sup>13, MS09, ORRJ12, SSGM10, Su07].

**information-seeking** [KVI<sup>+</sup>13].

**Information-theoretic** [CDGC12].

**informative** [KG GK11]. **Infrastructure** [COS19, MWS08]. **initialization** [LYG<sup>+</sup>13].

**initiated** [DDHC<sup>+</sup>12]. **injection** [ZSJN07].

**InPhase** [SW22]. **insertion** [XWDN12].

**Inspired** [HL17]. **instantiation** [ZCLJ14].

**Insulation** [SZX17]. **Integrated** [XWZ<sup>+</sup>05, HKL<sup>+</sup>06]. **Integrity** [IPMGL18, WRYL11, GBS08]. **Intelligent** [HL17, SWYW21, ZDS<sup>+</sup>21]. **Intensity** [XCT<sup>+</sup>16]. **Intensity-Based** [XCT<sup>+</sup>16].

**Interaction** [PHKK17, SSC<sup>+</sup>10].

**Interactions** [CJL<sup>+</sup>20, SDX<sup>+</sup>20].

**Interactive** [COP<sup>+</sup>16, KLA<sup>+</sup>14].

**Intercepting** [BH21]. **Interference** [MSAJ18, TNBG18, BNG12, XTZ08, ZCLJ14]. **Interference-Aware** [TNBG18].

**Interleaved** [ZSJN07]. **Intermittent** [MDM<sup>+</sup>20]. **Internet** [BJW<sup>+</sup>22, CQDW21, MGS<sup>+</sup>19, YTR<sup>+</sup>22, ZLYW19, ZDS<sup>+</sup>21].

**interpolation** [LS10]. **interrelational** [RKJ09]. **Intervals** [ZGX<sup>+</sup>16].

**Introduction** [NJZ18, Zha05]. **Intrusive** [NZM21]. **Inverted** [ABC<sup>+</sup>18]. **Involved** [ZWWZ20]. **IODetector** [LZZ<sup>+</sup>15]. **IONavi** [TGG<sup>+</sup>17].

**IoT** [DLG<sup>+</sup>21, GDM22, HBW<sup>+</sup>18, KCE<sup>+</sup>20, LDG<sup>+</sup>21, LLX<sup>+</sup>22, LCH<sup>+</sup>19b, LCM21, SBCF20, SHWW20, SWYW21, WXL<sup>+</sup>19, WWZ<sup>+</sup>21, WZZ<sup>+</sup>21, XZL<sup>+</sup>20, YYC<sup>+</sup>19].

**IoT-Empowered** [KCE<sup>+</sup>20]. **IoT-enabled** [WWZ<sup>+</sup>21]. **IoV** [XFZ<sup>+</sup>21]. **IR** [TAT14].

**irregular** [CK13]. **irregularity** [ZHKS06].

**Irrigation** [WWB<sup>+</sup>19, WCPC20]. **iSelf** [SMZ<sup>+</sup>17]. **iSleep** [CPX<sup>+</sup>20]. **Issue** [NJZ18].

**Jamming** [CD21, CPL<sup>+</sup>20, TDD<sup>+</sup>19, LPV<sup>+</sup>09, SDČ10].

**Joint** [Amm13, BY19, KSR<sup>+</sup>20, KPCB20, TCN<sup>+</sup>17]. **JVM** [RS19].

**Kamada** [CS17]. **Kawai** [CS17]. **kernel** [NJS05]. **kernel-based** [NJS05]. **Key** [KKRR15, LWH<sup>+</sup>22, MPS10, PCPK14, RR09, XJR<sup>+</sup>17, YLSZ19, HM07b, LYG<sup>+</sup>13, LN05, LND08, MWS08, TP07, WDLN09, XJR<sup>+</sup>17]. **knowledge** [LN05]. **Known**

[LGTL19].

**Labeling** [SMZ<sup>+</sup>17]. **Lane** [BNPR20].

**LaPS** [DPB19]. **Large** [LGTL19, LXR<sup>+</sup>16, MCGZ21, TJLK14, VRSR15, WS14, ZHZ<sup>+</sup>16, CJS11, CDR08, HBLR05, HM07b, KSMH13, KPB<sup>+</sup>08, LWG09, MB09, PCR13, PH10, TJZ<sup>+</sup>13, ZH05, ZSJ06]. **Large-Scale** [LXR<sup>+</sup>16, TJLK14, VRSR15, WS14, ZHZ<sup>+</sup>16, LGTL19, MCGZ21, CDR08, HBLR05, HM07b, KSMH13, KPB<sup>+</sup>08, LWG09, MB09, PCR13, PH10, TJZ<sup>+</sup>13, ZSJ06]. **Latency** [BYD<sup>+</sup>15, CCC<sup>+</sup>21, SDBT19, XCC<sup>+</sup>15, ZLGL20, LP08, WRS10]. **Latency-efficient** [ZLGL20]. **Latent** [LWY<sup>+</sup>21]. **Layer** [KPRH14, LCM21, DDHC<sup>+</sup>12, HWT<sup>+</sup>11, LPV<sup>+</sup>09, LFS09]. **Layers** [KPRH14]. **Lead** [ZDS<sup>+</sup>21]. **Leader** [XDM<sup>+</sup>21].

**Leader-Follower** [XDM<sup>+</sup>21]. **Leakage** [PK19]. **LEAP** [ZSJ06]. **Learn** [ZDS<sup>+</sup>21].

**Learning**

[BT18, CLX<sup>+</sup>21, CQDW21, CPL<sup>+</sup>20, FBAG20, LWL<sup>+</sup>21, LL21, LWY<sup>+</sup>21, LC14b, LWX<sup>+</sup>21, SMZ<sup>+</sup>17, ZZ21, ZSZ20, NJS05].

**Learning-Based** [LWX<sup>+</sup>21, ZZ21]. **Least** [SZZC08]. **Leds** [TAT14]. **length** [QM13].

**Level** [PDP<sup>+</sup>17, VDV16, ZGJ<sup>+</sup>22, CT19, CRY<sup>+</sup>10, CK13, TXY<sup>+</sup>13, KBD13]. **Levels** [SZX17]. **Leveraging**

[BIMD19, Hau14, LS10, YS07].

**Lexicographic** [YM14]. **LiDAR** [DPB19].

**LiDAR-assisted** [DPB19]. **Lifelogging**

[JLZL19]. **Lifetime**

[RD16, SCL<sup>+</sup>14, DD09, IR12, JTS09, LHRM09, LKA10, WRS10, YLL13, ZH05].

**lifetime-maximized** [YLL13]. **Light**

[XCT<sup>+</sup>16]. **Lighting** [KCE<sup>+</sup>20].

**Lightweight** [SC15, WS14]. **like** [AH20].

**likelihood** [WKA14]. **Limit** [YYXL22].

**Limits** [LCH<sup>+</sup>20]. **Linear** [JAC19]. **Link**

[LC14b, MB16, PS17, ZGJ<sup>+</sup>22, BKM<sup>+</sup>12, DDHC<sup>+</sup>12, KCPC13, LPV<sup>+</sup>09, LC14a, SAZ10]. **link-layer** [LPV<sup>+</sup>09]. **Links** [CD21, PS17, WKYH17, ZK07, ZSKH08].

**LIPS** [XCT<sup>+</sup>16]. **LMS** [PPM15]. **Load** [KKP18, NZM21, LKA10]. **local** [BGJ09].

**Localisation** [BCMY22]. **Localization**

[AHK16, BGJ09, EY14, GYNY16, KVI<sup>+</sup>13, LXY<sup>+</sup>22, LDGG21, NLH<sup>+</sup>19, PKC<sup>+</sup>18,

RHS20, SW22, SLC<sup>+</sup>22, WMT<sup>+</sup>19, ZLW<sup>+</sup>15, ZBA07, BLWY06, CKL<sup>+</sup>09, CVY09, CPH06,

CLS12, EFI<sup>+</sup>10, JR08, JCC<sup>+</sup>13, KQ14,

KMS<sup>+</sup>10, LP05, LWG09, LK09, LH09,

NEKK12, NJS05, PG09, TJZ<sup>+</sup>13, WX08,

XBWX13, XRS10, YJWL13, ZLGG10,

ZGT11]. **Localized** [LSW06, MS12, PR10].

**Localizing** [CT19, SCG<sup>+</sup>15, ZYZ<sup>+</sup>19, ST12].

**Locating** [GPL<sup>+</sup>12]. **Location** [PZOZ21,

Sch15, TAT14, TYGW15, GSL10, SSGM10].

**Location-Free** [Sch15]. **Locations**

[LSW14, KGGK11]. **logical** [CA06].

**Logistics** [NXW<sup>+</sup>22]. **Long**

[Pha16, XDX<sup>+</sup>14, VHC<sup>+</sup>09, ZGHZ12].

**Long-Range** [Pha16]. **Long-Term**

[XDX<sup>+</sup>14, VHC<sup>+</sup>09, ZGHZ12]. **longitudinal**

[KPS12]. **LoRa**

[LGTL19, LDGG21, SMS22, SCS22].

**LoRaWAN** [GJT<sup>+</sup>22]. **Loss** [MB16, CK13].

**Lossless** [LL16]. **Lossy**

[HSD16, KPCB20, LL16, ZMVR14, ZSKH08].

**Low** [BYD<sup>+</sup>15, BLGS19, CWS<sup>+</sup>22, CT19,

CML<sup>+</sup>21, DRW<sup>+</sup>14, DRC17, GLS<sup>+</sup>14,

GJNC<sup>+</sup>14, HSD16, KPCB20, LFL<sup>+</sup>19,

LCH<sup>+</sup>20, MB09, ME21, RKRP17, RHS20,

SDBT19, TAT14, WZLM21, WS14,

XWW<sup>+</sup>20, XCC<sup>+</sup>15, CHN<sup>+</sup>13, CRY<sup>+</sup>10,

DDHC<sup>+</sup>12, IV12, LM10a, LM10b, MDC<sup>+</sup>09,

ODCP13, PH10, SDTL10, ZK07].

**low-bandwidth** [CHN<sup>+</sup>13].

**Low-complexity** [GJNC<sup>+</sup>14, MB09].

**Low-Cost** [CWS<sup>+</sup>22, CML<sup>+</sup>21, LFL<sup>+</sup>19,

TAT14, ODCP13]. **Low-Duty-Cycle**

[XCC<sup>+</sup>15]. **Low-Latency** [BYD<sup>+</sup>15].

**Low-level** [CT19, CRY<sup>+</sup>10]. **Low-Power**

[BLGS19, DRW<sup>+</sup>14, DRC17, HSD16,

KPCB20, XWW<sup>+</sup>20, ME21, RHS20,

WZLM21, DDHC<sup>+</sup>12, IV12, ODCP13, PH10,

SDTL10, ZK07]. **Low-Precision** [RKRP17].

**Low-Stretch-Guaranteed** [WS14]. **Lower** [KPRH14]. **LR** [LED20]. **LR-WPANs** [LED20]. **LT** [JJ15].

## MAC

[DBOD<sup>+</sup>16, DDHC<sup>+</sup>12, GCRB12, HF17, LM10a, LM10b, LPV<sup>+</sup>09, LFS09, LHX16, NGBB14, QM13, RDR07, SC15, YH13].

**Machine** [HCL15, ZSZ20].

**Machine-to-Machine** [HCL15].

**macroscopic** [KLC13]. **Magnetic**

[JCZ<sup>+</sup>22]. **Maintaining** [LXR<sup>+</sup>16].

## Maintenance

[CHSA18, HBW<sup>+</sup>18, SB16, TBL07].

**Malicious** [ARWK19, WWZ<sup>+</sup>21].

## Management

[ECPC14, KOD<sup>+</sup>14, LCH<sup>+</sup>19a, SBCF20,

TAT14, ZLYW19, ZHJ<sup>+</sup>20, JLYG13,

LYG<sup>+</sup>13, NDM<sup>+</sup>13, WECC07]. **Managing**

[PCR13, SHY13]. **Manipulation** [SBCF20].

**Map** [LSW14]. **Mapping**

[LCC<sup>+</sup>13, EML<sup>+</sup>09]. **Markov** [KCPC13].

**Massive** [BY19]. **Matrices** [YB17]. **MAV**

[CRZ<sup>+</sup>20]. **Max** [YM14, YSM08].

**Max-Min** [YM14]. **maximized** [YLL13].

**Maximizing** [ZGX<sup>+</sup>16, IR12]. **Maximum**

[RKR17, SCL<sup>+</sup>14, WKA14, NP12]. **MC**

[XDX<sup>+</sup>14]. **MCRT** [WWFX11]. **MDF**

[Den09]. **Measure** [LJLW19, IR12].

**Measurement** [BNN<sup>+</sup>20, DXL<sup>+</sup>15,

GCAK17, LGTL19, WWL15, XYW<sup>+</sup>22].

**Measurements** [SUZK19, YJWL13].

**Measuring** [CLX09]. **Mechanism**

[YCL<sup>+</sup>19, ZZ21]. **Mechanisms**

[BIST18, LLZ<sup>+</sup>20, RDP16, SZX17, ZSJ06].

**medical** [NDM<sup>+</sup>13]. **medium** [Gel07].

**meeting** [LHRM09]. **Memento** [JLZL19].

**Mesh** [YYC<sup>+</sup>19]. **Method**

[GYNY16, AAA06, XRS10]. **Methods**

[ZZZ<sup>+</sup>20, CDR08, KKP<sup>+</sup>07, SGG10].

**metric** [DRC06]. **Metrics** [RFB<sup>+</sup>14, SS13].

**mice** [GSW09]. **micro** [JC12]. **micro-solar**

[JC12]. **Middleware** [ZYZ<sup>+</sup>19]. **Milestones**

[YYC<sup>+</sup>19]. **Millimeter** [BY19, YPZ<sup>+</sup>17].

**MIMO** [BY19, NK14, YYXL22]. **Min**

[YM14]. **mine** [LL09]. **Minimal**

[COS19, GLQ<sup>+</sup>22]. **Minimalistic** [CPP<sup>+</sup>17].

**Minimum** [CCC<sup>+</sup>21, WWXY13, XLZ<sup>+</sup>07,

XCC<sup>+</sup>15, Dji10, FKMS06, Kal10]. **Mining**

[WWZ<sup>+</sup>21, KLA<sup>+</sup>14]. **Miscontrol**

[PTDD16]. **Missing** [WLW<sup>+</sup>20]. **mission**

[EMBP12, RJL<sup>+</sup>10]. **mission-oriented**

[EMBP12]. **Mitigating** [NLD08].

**Mitigation** [CD21, MSAJ18]. **Mixed**

[Lam15]. **Mixing** [KKRR15]. **mobicast**

[HBLR05]. **Mobile** [AHK16, CGB<sup>+</sup>19, CS17,

DRC17, DDA11, JYB<sup>+</sup>21, KCE<sup>+</sup>20, Kou18,

LLZ<sup>+</sup>22, LLX<sup>+</sup>22, LXR<sup>+</sup>16, LWX<sup>+</sup>21,

MKM<sup>+</sup>20, RD16, RGB<sup>+</sup>17, RFS<sup>+</sup>19, SML18,

SZG<sup>+</sup>15, TGG<sup>+</sup>17, VDV16, WPL<sup>+</sup>16,

WYY<sup>+</sup>19, WHST16, XWW<sup>+</sup>20, XZL<sup>+</sup>20,

YWD<sup>+</sup>21, ZHL<sup>+</sup>15, ZZ21, ZLL<sup>+</sup>22, Bra07,

CSA06, EML<sup>+</sup>09, FLFW13, KKP<sup>+</sup>07,

KNSM14, KAS<sup>+</sup>10, LCC<sup>+</sup>13, RMB<sup>+</sup>10,

SZZC08, WRS10, WLZ13]. **Mobility**

[Hau14, MNLZ18, NGBB14, ZWWZ20,

Amm13]. **Mode** [XDM<sup>+</sup>21]. **Model**

[MZW<sup>+</sup>19, RBS16, SLC<sup>+</sup>22, YXG<sup>+</sup>19,

ZWWZ20, DIE14, Gel07, KT11, KLC13,

KA13, MS09, TP07, ZCLJ14].

**model-derived** [KLC13]. **Model-driven**

[SLC<sup>+</sup>22]. **Modeling**

[DRW<sup>+</sup>14, ECPC14, JP06, KGBS18, PFJ13,

PS17, WRS10, BJW<sup>+</sup>22, CDGC12, CK13,

DLD09, KA13, NP12, SYOY12, WWB<sup>+</sup>19].

**Modelling** [KSR<sup>+</sup>20]. **Models**

[DD11, WZZ<sup>+</sup>21, ZHKS06, Bra07, KCPC13,

NEKK12, SG08, JTS09]. **Modern** [IHGS15].

**Modes** [KJP<sup>+</sup>15, RMB<sup>+</sup>10]. **Modules**

[JCZ<sup>+</sup>22]. **Moisture** [WWL15, WLW12].

**Monitor** [BCMY22]. **Monitoring**

[AMTH<sup>+</sup>17, BWCW14, COS19, CPX<sup>+</sup>20,

CML<sup>+</sup>21, DD11, DML<sup>+</sup>16, NZM21, PK19,

SZG<sup>+</sup>15, TPM<sup>+</sup>17, WTX<sup>+</sup>16, XDX<sup>+</sup>14,

YPZ<sup>+</sup>17, ZHCA17, ACG<sup>+</sup>13, DEM<sup>+</sup>12,

GSW09, HBC<sup>+</sup>09, IBS<sup>+</sup>10, LL09, OBB<sup>+</sup>13,

YYM<sup>+</sup>10]. **Mortar** [FPA<sup>+</sup>20]. **Mote**

[CWY<sup>+</sup>15]. **motifs** [dLM14]. **Motion**

[AJH<sup>+</sup>20]. **Motions** [YXFL17]. **Motivating** [LLZ<sup>+</sup>20]. **Movement** [ZHJ<sup>+</sup>20, WIF<sup>+</sup>11]. **Moving** [SYT22, WC09, WC12]. **MU** [YYXL22]. **MU-MIMO** [YYXL22]. **Mules** [SG11, KVI<sup>+</sup>13, SG10]. **Multi** [GTL19, LLX<sup>+</sup>22, RSK<sup>+</sup>21, SZ19, WZZ<sup>+</sup>21, XZL<sup>+</sup>20, YWD<sup>+</sup>21, MCT14]. **multi-camera** [MCT14]. **Multi-Hop** [GTL19]. **Multi-node** [YWD<sup>+</sup>21]. **Multi-scale** [RSK<sup>+</sup>21]. **Multi-Sensor** [SZ19]. **Multi-source** [LLX<sup>+</sup>22]. **Multi-task** [WZZ<sup>+</sup>21]. **Multi-Tier** [XZL<sup>+</sup>20]. **Multicamera** [dLM14, GJNC<sup>+</sup>14]. **Multicast** [LFW<sup>+</sup>19]. **Multichannel** [WWFX11, WLS<sup>+</sup>16, GCRB12]. **Multichannels** [MDC17]. **Multicluster** [LCH<sup>+</sup>19a]. **multicriteria** [SS13]. **multidimensional** [CPH06]. **multigroup** [HM07b]. **multihop** [ADF12, Gel07, KW09, PDMJ10, VMS10, Den09]. **Multihop/Direct** [Den09]. **Multilevel** [LZAH<sup>+</sup>15, KCPC13]. **multimedia** [DIE14]. **Multimode** [XDX<sup>+</sup>14]. **multiobjective** [WC12]. **Multipath** [HSD16, SHY13, YH13]. **Multiple** [BWCW14, BQB<sup>+</sup>11, KJP<sup>+</sup>15, LXR<sup>+</sup>16, MCW<sup>+</sup>16, SHWW20, SKM<sup>+</sup>11, EGG13, PFJ13]. **Multiple-Target** [SKM<sup>+</sup>11]. **multiquery** [ZKS10]. **Multiresolution** [SZG11]. **multiroot** [ZKS10]. **Multisensor** [KCE<sup>+</sup>20]. **Multiswimmer** [COP<sup>+</sup>16]. **Multitask** [HBKP14]. **Muscle** [MNLZ18]. **Mutual** [CWS<sup>+</sup>22]. **MyoVibe** [MNLZ18].

**Nanosensor** [ZHCA17]. **Natural** [LTY18]. **Navigate** [DXC<sup>+</sup>21]. **Navigation** [CRZ<sup>+</sup>20, LR05, TGG<sup>+</sup>17, TGG<sup>+</sup>19, XDM<sup>+</sup>21, KAS<sup>+</sup>10]. **Near** [BCMY22, JKK08, LKA10, SB16]. **Near-lifetime-optimal** [LKA10]. **Near-Optimal** [SB16, JKK08]. **Necessary** [WKYH17]. **Neighbor** [ZHL<sup>+</sup>15]. **Neighborhood** [JM16]. **Neighbour** [HSD16]. **Neighbour-Disjoint** [HSD16].

**nest** [KAH<sup>+</sup>10]. **Net** [KKP18]. **Net-Load** [KKP18]. **Network** [BJR15, BH21, BASM16, BQB<sup>+</sup>11, CS17, DRC17, EA15, JTE20, KOD<sup>+</sup>14, KAAF13, KK15, KJP<sup>+</sup>15, LCH<sup>+</sup>19a, LZAH<sup>+</sup>15, LFL<sup>+</sup>19, MPRS16, PHKK17, Sch15, TPM<sup>+</sup>17, VPB<sup>+</sup>20, VDV16, WKYH17, WB17, WZZ<sup>+</sup>21, WHST16, XFZ<sup>+</sup>21, BLWY06, BNG12, CK09, CSA06, CRY<sup>+</sup>10, CLS12, DEM<sup>+</sup>12, ELR08, EGG13, ES12, GAJ<sup>+</sup>06, HKL<sup>+</sup>06, HBC<sup>+</sup>09, HTW07, HR13, IBS<sup>+</sup>10, KBD13, KT11, KVI<sup>+</sup>13, KASD09, KNSM14, LP08, LPV<sup>+</sup>09, LCH<sup>+</sup>09, MCT14, NJS05, NRC<sup>+</sup>09, NP12, ORRJ12, TLRE13, TBL07, WZL08, ZLGG10, ZSG09, ZGT11, ZGHZ12]. **Network-Level** [VDV16]. **Networked** [DCBL15, GM14, MGS<sup>+</sup>15, MKK<sup>+</sup>13, ZCLJ14]. **Networking** [CBSA18, CKHP19, CQDW21, LCM21, ZMVR14]. **Networks** [AMTH<sup>+</sup>17, AMAT<sup>+</sup>18, AKSM15, Amm16, AH14, AHK16, BYD<sup>+</sup>15, BGMP15, BAP<sup>+</sup>17, BCMY22, BNPR20, BIMD19, BLGS19, BSI<sup>+</sup>15, BR15, CBSA18, CCC<sup>+</sup>21, CS18, DPB19, DRW<sup>+</sup>14, DDA11, DSH16, DGS16, DBOD<sup>+</sup>16, DML<sup>+</sup>16, EA15, EY14, GLS<sup>+</sup>14, GCAK17, GTL19, GZZ<sup>+</sup>14, HF17, HMLJ17, HSGW21, HBKP14, Hau14, HSD16, HCL15, IPMGL18, JJ15, JM16, KYM17, KPRH14, KLC<sup>+</sup>16, KPCB20, KKRR15, KRP15, Lam15, LMP14, LCH<sup>+</sup>19a, LLL14, LL16, LCC<sup>+</sup>17, LHZZ20, LXR<sup>+</sup>16, LZAH<sup>+</sup>15, LMZ<sup>+</sup>16, LWM<sup>+</sup>21, LWCJ14, LHX16, LCH<sup>+</sup>19b, LZN19, LFW<sup>+</sup>19, LCH<sup>+</sup>20, MCGZ21, MB16, MSB17, MSAJ18, NGBB14, NK15, NK14, PK19, PPM15, PDP<sup>+</sup>17, PTDD16, PS17, PSB<sup>+</sup>14, PCPK14, RFB<sup>+</sup>14, RBS16, RHD17, RHS20, RD16, SSL<sup>+</sup>19, SBCF20, SZG11, SCL<sup>+</sup>14, SB16, SCL<sup>+</sup>19, SXD<sup>+</sup>15, SGB15, SG11, SZG<sup>+</sup>15, TJLK14, TCN<sup>+</sup>17, TNBG18, TYGW15, TDD<sup>+</sup>19, VPB<sup>+</sup>20, VRSR15, VDV16]. **Networks** [WWFX11, WPL<sup>+</sup>16, WB17, WYY<sup>+</sup>19, WXL<sup>+</sup>19, WZLM21, WS14, WBS14,

WLS<sup>+16</sup>, XDX<sup>+14</sup>, XCC<sup>+15</sup>, XXHL16, XZL<sup>+20</sup>, YM14, YTB<sup>+14</sup>, YB17, ZHCA17, ZLW<sup>+15</sup>, ZHZ<sup>+16</sup>, ZLZ21, ZWY21, ZLGL19, ZLGL20, Amm13, ADF12, BKM<sup>+12</sup>, BCL<sup>+12</sup>, BKS13, BHA<sup>+13</sup>, Bra07, BGJ09, CJS11, CA06, CDGC12, CGVC06, CYS<sup>+10</sup>, CCMT09, CC11, CLSW12, CNMH08, CLH<sup>+13</sup>, CHN<sup>+13</sup>, CRW07, CVY09, CDR08, CGD12, CK13, CPH06, CCJ08, DLD09, Den09, DRC06, DD09, DABNR10, DIE14, ELR08, ENPNF13, ELYR14, EMBP12, FLJ<sup>+13</sup>, FT06, FLFW13, GCRB12, GSW09, GBS08, GSL10, GRE<sup>+07</sup>, GFJ<sup>+13</sup>, GNDC08, HZGS05, HM07a, HWT<sup>+11</sup>, HTC<sup>+10</sup>, HY07, HBLR05, HLTC06, HM07b, HCXT09, IW14, IR12, IV12, JKK08, JC12, JHU<sup>+13</sup>, JLYG13, JP06, JKS<sup>+10</sup>, JROH09, Kal10, KBD14, KXTZ09, KKP<sup>+07</sup>, KC14, KQ12, KQ14, KKK08, KPK12, KLJ12, KAAF13, KLA<sup>+14</sup>, KRJ09, KSMH13, KPB<sup>+08</sup>, KW09].

**networks**  
[KAR<sup>+14</sup>, KMS<sup>+10</sup>, KA13, LDH06, LP05, LP06, LPR09, LWG09, LKA10, LR05, LSW06, LL09, LDZ13, LYG<sup>+13</sup>, LWL12, LS10, LH09, LCC10, LN05, LWH<sup>+06</sup>, LND08, LFS09, MZWT10, MB09, MWS08, MS09, MPS10, MDC<sup>+09</sup>, MP10, MS12, MPC<sup>+10</sup>, MAG13, NGA08, NEKK12, NLD08, NC10, ODCP13, PDMJ10, PG10, PGG<sup>+10</sup>, PBM11, PEFSV13, PG09, PC10, PKG08, PR10, PMST12, PCR13, PA05, PH10, QM13, RBLP09, RKW<sup>+06</sup>, RBD13, RJL<sup>+10</sup>, RR09, SYL09, SAZ10, SZG13, SSGM10, SGM08, SPK<sup>+10</sup>, SCWC13, SH09, SPK14, ST12, SS13, SST08, SYOY12, SZZC08, SDĀ10, Su07, SG08, SG10, SC12, SEZA13, TP07, TJZ<sup>+13</sup>, TXC<sup>+13</sup>, TXY<sup>+13</sup>, TJWK13, TMAP14, TYD<sup>+07</sup>, VMS10, VG10, VAC13, WECC07, WEC11, WL14, WZL07, WZL08, WDLN09, WBS10, WLD10, WRS10, WC13, WWLX13, WWXY13, XBWX13, XWZ<sup>+05</sup>, XLZ<sup>+07</sup>, XWDN12, XTZ08, XRH<sup>+13</sup>].

**networks** [YSZC13, YS07, YVS07, ZSKH08, ZH05, ZKS10, ZJX10, ZJZ12, ZVPS10, ZHKS06, ZDG09, ZSJ06, ZSJM07, ZDW<sup>+10</sup>].

**Neural** [BNPR20, LHZZ20]. **Node** [ARWK19, BCMY22, CWY<sup>+15</sup>, CPP<sup>+17</sup>, CS18, MB16, YSK<sup>+15</sup>, CVY09, CPH06, DLD09, JTS09, LK09, PX13, YWD<sup>+21</sup>].

**Nodes** [GZZ<sup>+14</sup>, KBW16, MCGZ21, HR13, MPS10, SSC<sup>+10</sup>]. **noisy** [YJWL13]. **Non** [BT18, CS18, DSH16, KNSM14].

**Non-Bayesian** [BT18]. **Non-Convex** [CS18]. **Non-Cooperative** [DSH16]. **non-overlapping** [KNSM14].

**nonhomogeneous** [MRM09]. **Nonlinear** [MZW<sup>+19</sup>, LK09]. **Nonlinearities** [PPM15, LWL12]. **nonuniform** [KC14]. **Novel** [YLSZ19, CGD12].

**Object** [EGG13, HPS<sup>+18</sup>, LJJLW19, XKW<sup>+22</sup>, ABM06, KASD09]. **Objectives** [BWCW14]. **Objects** [BQB<sup>+11</sup>, NXW<sup>+22</sup>]. **Oblivious** [KCE<sup>+20</sup>]. **Observation** [BT18]. **observations** [WKA14]. **observer** [CSA06]. **Obstacle** [ZVPS10]. **Obstacles** [TCB<sup>+14</sup>]. **occlusions** [EGG13]. **Occupancy** [AAHS18, ECPC14]. **Occupant** [HPS<sup>+18</sup>]. **occurring** [LWL12]. **off** [FLFW13, WRS10]. **Offloading** [BJW<sup>+22</sup>, SHWW20]. **Older** [ABC<sup>+18</sup>]. **on-demand** [KPB<sup>+08</sup>]. **On-Object** [HPS<sup>+18</sup>]. **One** [ABC<sup>+18</sup>, GTL19, RSK<sup>+21</sup>, SAZ10]. **One-Hop** [GTL19]. **one-way** [SAZ10]. **Online** [CGB<sup>+19</sup>, IW14, LL21, LC14b, LCLY22, MKM<sup>+20</sup>, MCT14]. **OPCIO** [JZX<sup>+20</sup>]. **Open** [FPA<sup>+20</sup>, WLW<sup>+20</sup>]. **OpenCarrier** [YYXL22]. **Operation** [HKG<sup>+19</sup>, RFB<sup>+14</sup>, ZGHZ12].

**Opportunistic** [GLS<sup>+14</sup>, HSGW21, LCH<sup>+19b</sup>, LFL<sup>+19</sup>, MSAJ18, WYY<sup>+19</sup>, WBS14]. **OPTICS** [WCPC20]. **Optimal** [BGMP15, BDO14, DSH16, HBKP14, JZL<sup>+19</sup>, JR08, KC14, KYM17, KKP18, LWH<sup>+06</sup>, MGS<sup>+19</sup>, SB16, SH09, SZG<sup>+15</sup>, WC09, WC12, WLW12, YM14, JKK08,

Kal10, KPK12, LKA10, SC12, ZW05].  
**Optimally** [LP08]. **Optimization** [CGB<sup>+</sup>19, DBOD<sup>+</sup>16, KPRH14, PDP<sup>+</sup>17, ABM13, CSA06, PEFSV13]. **Optimized** [Lam15, LLX<sup>+</sup>14, MB09]. **OPTimizing** [WCPC20, DCBL15, HWT<sup>+</sup>11, JZX<sup>+</sup>20, RD16, RFS<sup>+</sup>19, TLRE13, WIF<sup>+</sup>11, XCC<sup>+</sup>15]. **order** [WJZ21]. **organized** [KSMH13]. **organizing** [CNMH08]. **Oriented** [YCL<sup>+</sup>19, EMBP12, NDM<sup>+</sup>13]. **Other** [CWS<sup>+</sup>22]. **Our** [LJLW19]. **Out-of-Band** [GTL19]. **Out-of-order** [WJZ21]. **outages** [GPL<sup>+</sup>12]. **Outdoor** [CML<sup>+</sup>21, LZZ<sup>+</sup>15, LDGG21, TGG<sup>+</sup>17, KMS<sup>+</sup>10]. **outlier** [YJWL13]. **outliers** [XBWX13]. **overcomplete** [JLYG13]. **overhearing** [JROH09]. **overlapping** [KNSM14, WWXY13]. **Overload** [WECC07]. **Own** [LSW14].

**Packages** [NXW<sup>+</sup>22]. **Packet** [KLC<sup>+</sup>16, MB16, WXL<sup>+</sup>19, Gel07, LFS09, PX13, XWDN12, KBD13]. **Packet-Level** [KBD13]. **Packet-Loss** [MB16]. **pairwise** [HM07b]. **Parameter** [DBOD<sup>+</sup>16]. **Parameters** [Kou18, HWT<sup>+</sup>11]. **Parking** [ZGH<sup>+</sup>21]. **Partial** [WZL08, CJS11]. **Participant** [CGB<sup>+</sup>19, YCL<sup>+</sup>19]. **Participatory** [RDP16]. **Partitioning** [TJLK14, HM07b]. **Passive** [CWY<sup>+</sup>15]. **Path** [DSA<sup>+</sup>20, MRM09, SCL<sup>+</sup>14, SG11, CSA06, CK13]. **path-constrained** [CSA06]. **Paths** [TCB<sup>+</sup>14, Dji10]. **Patterns** [KGBS18, BNG12]. **Payload** [SMS22]. **PC** [KPCB20]. **PC-RPL** [KPCB20]. **PDA** [HLN<sup>+</sup>11]. **Pedometer** [WTC22]. **Pedometer-free** [WTC22]. **Penetration** [KKP18]. **Performance** [BAP<sup>+</sup>17, KA13, LZAH<sup>+</sup>15, MDC17, PDP<sup>+</sup>17, ZMVR14, CKL<sup>+</sup>09, ODCP13, WZL08]. **period** [RDR07]. **Periodic** [HMLJ17, YYM<sup>+</sup>10]. **periodical** [CLSW12]. **Perishable** [PK20]. **Perpetually** [LXR<sup>+</sup>16]. **Persistence** [SXD<sup>+</sup>15]. **Person** [KGBS18]. **Perspective** [LZAH<sup>+</sup>15]. **perturbation** [ZGT11]. **Phase** [SW22]. **Phase-based** [SW22]. **Phases** [MZW<sup>+</sup>19]. **Phenomena** [AHK16, TTBH14]. **phenomenon** [HR13]. **Phones** [YXFL17, RMB<sup>+</sup>10]. **Photographing** [YXFL17]. **Physical** [KSR<sup>+</sup>20, SJH<sup>+</sup>18, SDX<sup>+</sup>20, ZGJ<sup>+</sup>22, HWT<sup>+</sup>11, YSM08]. **physical-layer** [HWT<sup>+</sup>11]. **Physical-Level** [ZGJ<sup>+</sup>22]. **Physiological** [VG10]. **PIP** [GCRB12]. **Pipelines** [PK19, LCC<sup>+</sup>13]. **PLA** [KBD13]. **Place** [NZLH15]. **Placement** [BCMY22, BWCW14, DPB19, DXL<sup>+</sup>15, XZL<sup>+</sup>20, GCBL06, JR08, PA05, SH09, WC09, WC12, WLW12]. **placements** [KGGK11]. **Placing** [LFNS14]. **Planes** [GTL19]. **Planning** [PZOZ21, SG11, WIF<sup>+</sup>11]. **Platform** [CPP<sup>+</sup>17, SML18, CHN<sup>+</sup>13]. **Platforms** [LLX<sup>+</sup>14, SWYW21]. **Point** [TGG<sup>+</sup>19, CRY<sup>+</sup>10]. **Policies** [BIST18, JKK08]. **policy** [MS12]. **policy-based** [MS12]. **Portable** [FPA<sup>+</sup>20]. **Pose** [LL21]. **POSE.R** [HSGW21]. **position** [CK09]. **Positioning** [PTDD16, XCT<sup>+</sup>16]. **Positive** [CKHP19]. **Possible** [TCB<sup>+</sup>14, ZLGG10]. **Post** [SZ19]. **Post-hoc** [SZ19]. **posteriori** [NP12]. **potential** [XRH<sup>+</sup>13]. **Power** [BLGS19, CKHP19, DRW<sup>+</sup>14, DRC17, GCBL06, HSD16, JZX<sup>+</sup>20, KLC<sup>+</sup>16, KPCB20, KR18, LDC<sup>+</sup>19, LMZ<sup>+</sup>16, LCH<sup>+</sup>20, MGS<sup>+</sup>19, SSL<sup>+</sup>19, TPM<sup>+</sup>17, XWW<sup>+</sup>20, YSK<sup>+</sup>15, CSA06, DDHC<sup>+</sup>12, IV12, JC12, KT11, LCC10, MDC<sup>+</sup>09, ME21, ODCP13, PH10, RHS20, SSC<sup>+</sup>10, SDTL10, WWXY13, WZLM21, XLZ<sup>+</sup>07, ZK07]. **power-aware** [LCC10]. **Power-Based** [KLC<sup>+</sup>16, YSK<sup>+</sup>15]. **Power-efficient** [GCBL06]. **Power-Positive** [CKHP19]. **Powered** [YM14, ZHCA17, ZLZ21]. **Powerline** [LTY18]. **PPG** [CLX<sup>+</sup>21]. **Practical** [CLSW12, SMR<sup>+</sup>14, ZSZ20, JC12]. **Practice**



[ZWWZ20, KXTZ09]. **Pre** [WBS14]. **Pre-Forwarding** [WBS14]. **Precision** [RKRP17]. **Prediction** [AAHS18, BJR15, ECPC14, HSGW21, JAC19, KSR<sup>+</sup>20, LC14b, AAA06, ELR08, ES12, LC14a, SYOY12]. **Prediction-based** [HSGW21]. **predictive** [SPK14]. **predistribution** [HM07b, LN05, LND08, MPS10, RR09, TP07]. **Preprocess** [LLZ<sup>+</sup>20]. **Presence** [GM14, YRB<sup>+</sup>17, EGG13]. **Preserving** [HLN<sup>+</sup>11, MJS<sup>+</sup>19, SJH<sup>+</sup>18, SXD<sup>+</sup>15, CC11, HLTC06, LHX<sup>+</sup>21, WWZ<sup>+</sup>21]. **prevalence** [SGG10]. **Prevention** [MSB17]. **Price** [ZZ21]. **Primitive** [SC15]. **Principal** [AH14]. **prioritized** [DIE14]. **Privacy** [HLN<sup>+</sup>11, LHX<sup>+</sup>21, MJS<sup>+</sup>19, SJH<sup>+</sup>18, WWZ<sup>+</sup>21, CYS<sup>+</sup>10, CC11, KXTZ09, PX13]. **Privacy-Preserving** [HLN<sup>+</sup>11, MJS<sup>+</sup>19, SJH<sup>+</sup>18, LHX<sup>+</sup>21, WWZ<sup>+</sup>21, CC11]. **privilege** [SZCC08]. **Probabilistic** [GHZ<sup>+</sup>22]. **probability** [SGM08]. **probability-based** [SGM08]. **Probing** [NK15]. **Problem** [GYNY16, WZL07]. **problems** [CRW07]. **processes** [ORRJ12]. **Processing** [VPB<sup>+</sup>20, ORRJ12, SPK<sup>+</sup>10, ZKS10]. **Processor** [FC18]. **Profit** [CGB<sup>+</sup>19]. **Programming** [SG08, BLWY06, IR12]. **Progressively** [DVS<sup>+</sup>14]. **projection** [LK09]. **propagation** [WL14]. **Properties** [GLQ<sup>+</sup>22, MZWT10]. **Property** [JLYG13, GPL<sup>+</sup>12]. **proportional** [YYM<sup>+</sup>10]. **proportional-share** [YYM<sup>+</sup>10]. **Prospect** [SBCF20]. **Protect** [CKHP19]. **protection** [WZL07]. **Protocol** [HF17, KPRH14, LHX16, WS14, XJR<sup>+</sup>17, YLSZ19, ZSZ20, GFJ<sup>+</sup>13, HCXT09, LFS09, PDMJ10, PG10, PFJ13, ZCLJ14]. **Protocols** [MDC17, ME21, NGBB14, HLTC06, HTW07, LM10a, LM10b, LPV<sup>+</sup>09, LR05, YH13]. **Prototyping** [MGS<sup>+</sup>15, LJY<sup>+</sup>10]. **provably** [CCMT09]. **Provenance** [WB17]. **providing** [LHRM09]. **Provisioning** [LLX<sup>+</sup>22, LCLY22, SGB15]. **Proximity** [LJW<sup>+</sup>21, SKM<sup>+</sup>11, SMMS09]. **public** [MWS08, WDLN09]. **public-key** [MWS08]. **Publishing** [SJH<sup>+</sup>18]. **Pulse** [PKC<sup>+</sup>18]. **purposeful** [Amm13]. **Pushing** [LCH<sup>+</sup>20]. **PV** [KKP18].

**QA** [MCLM20]. **QA-Share** [MCLM20]. **QoE** [LDG<sup>+</sup>21]. **QoE-aware** [LDG<sup>+</sup>21]. **QoS** [MCLM20, Pha16, RHD17, RD16, XZL<sup>+</sup>20]. **QoS-Aware** [MCLM20, XZL<sup>+</sup>20]. **Quality** [AMTH<sup>+</sup>17, CPX<sup>+</sup>20, CML<sup>+</sup>21, DXL<sup>+</sup>15, LC14b, MKM<sup>+</sup>20, RGB<sup>+</sup>17, RFS<sup>+</sup>19, SGB15, YYM<sup>+</sup>10, YCL<sup>+</sup>19, ZGJ<sup>+</sup>22, BKM<sup>+</sup>12, BKS13, CLX09, LHRM09, LC14a, MCT14]. **Quality-aware** [MKM<sup>+</sup>20]. **Quality-of-Service** [SGB15]. **Quality-Oriented** [YCL<sup>+</sup>19]. **Quantitative** [WZLM21]. **Quantization** [SC12]. **quasi** [NCV10]. **quasi-equally** [NCV10]. **Queec** [LDG<sup>+</sup>21]. **Query** [CYS<sup>+</sup>10, FC18, VPB<sup>+</sup>20].

**Radar** [RSK<sup>+</sup>21]. **Radiated** [JCZ<sup>+</sup>22]. **Radiation** [LTY18, LDC<sup>+</sup>19]. **radii** [ZDG09]. **Radio** [BKM<sup>+</sup>12, KAR<sup>+</sup>14, MGS<sup>+</sup>19, WHYC19, GPL<sup>+</sup>12, JCC<sup>+</sup>13, ODCP13, XTZ08, ZHKS06]. **Radio-based** [WHYC19]. **radioactive** [CRY<sup>+</sup>10]. **Radios** [PHKK17]. **Radius** [BGMP15, BCL<sup>+</sup>12]. **radon** [JLYG13]. **Random** [JZL<sup>+</sup>19, KKRR15, YB17, CGD12, CUdVY13, Gel07, HY07, NEKK12, NZR10, ZW05]. **randomly** [LWSL12]. **Range** [CWY<sup>+</sup>15, Pha16, WHST16, ZLW<sup>+</sup>15, PR10]. **Range-Extending** [CWY<sup>+</sup>15]. **Range-Free** [WHST16, ZLW<sup>+</sup>15]. **Ranges** [FLS<sup>+</sup>14]. **Ranging** [CP20, SW22, JCC<sup>+</sup>13, MKK<sup>+</sup>13]. **Rapid** [DLG<sup>+</sup>21, LJY<sup>+</sup>10]. **RaPTEX** [LJY<sup>+</sup>10]. **Rate** [CLX<sup>+</sup>21, JZL<sup>+</sup>19, PCPK14, YM14, LM10a, LM10b, LWH<sup>+</sup>06, PG10].

**Rate-controlled** [PG10]. **RCRT** [PG10]. **REACH** [CWY<sup>+</sup>15]. **Reactive** [CD21, SDČ10]. **Read** [CWS<sup>+</sup>22]. **Real** [BCMY22, DRC17, GKRW17, KPCB20, LJW<sup>+</sup>21, ORRJ12, WWFX11, WHYC19, XRH<sup>+</sup>13, ZJX10, LWH<sup>+</sup>06, SGG10, SHY13, WWXY13]. **Real-Time** [DRC17, WWFX11, BCMY22, LJW<sup>+</sup>21, ORRJ12, XRH<sup>+</sup>13, ZJX10, LWH<sup>+</sup>06, WWXY13]. **Real-World** [GKRW17, SGG10]. **Realistic** [HSSS17, SAK<sup>+</sup>19]. **Reality** [LLZ<sup>+</sup>22]. **Receiver** [HF17, DDHC<sup>+</sup>12]. **receiver-initiated** [DDHC<sup>+</sup>12]. **Receiver-Synchronized** [HF17]. **Rechargeable** [LXR<sup>+</sup>16, SCG<sup>+</sup>15, JKK08]. **Recognition** [LLZ<sup>+</sup>22, LHX<sup>+</sup>21, WHYC19, YXG<sup>+</sup>19, SSGM10, YYSL08]. **Reconfigurable** [SML18, TLRE13]. **Reconfiguration** [HKG<sup>+</sup>19, KKP<sup>+</sup>07, SGB15]. **reconstruction** [NCV10]. **Recovery** [PKC<sup>+</sup>18, PX13]. **redistribution** [TJWK13]. **Reducing** [WXL<sup>+</sup>19]. **Redundancy** [CGVC06, LS10]. **reference** [ABM06]. **refined** [DVS<sup>+</sup>14]. **Reflection** [EY14]. **Regions** [SMR<sup>+</sup>14]. **Regulations** [Pha16]. **Regulator** [HSL<sup>+</sup>15]. **Reinforcement** [FBAG20, LWL<sup>+</sup>21, LWX<sup>+</sup>21]. **rekeying** [CLSW12]. **Related** [RFB<sup>+</sup>14, ZHJ<sup>+</sup>20]. **Relay** [DGS16, GCAK17, NK15]. **Relay-Assisted** [DGS16]. **Reliability** [KYM17, KBD13]. **Reliable** [DRC17, KLC<sup>+</sup>16, KBW16, LED20, MP10, PH10, XWW<sup>+</sup>20, GFJ<sup>+</sup>13, KAAF13, KAR<sup>+</sup>14, PG10, IIPK20]. **Relocatable** [DCBL15]. **Relocation** [WHST16]. **Remote** [YSK<sup>+</sup>15]. **Repeatable** [HSSS17]. **replication** [CUdVY13]. **report** [FLFW13]. **Representations** [SZG11]. **reproduction** [HR13]. **reprogramming** [KPB<sup>+</sup>08, KW09, MP10, TLRE13]. **Reputation** [GBS08]. **Reputation-based** [GBS08]. **Research** [AMTH<sup>+</sup>17, RDP16, RGB<sup>+</sup>17]. **Reservoirs** [DXL<sup>+</sup>15]. **Residential** [TPM<sup>+</sup>17]. **Residual** [XFZ<sup>+</sup>21]. **Resilience** [IPMGL18, JTE20]. **Resilient** [HSGW21, KMS<sup>+</sup>10, SC15, VRSR15]. **Resource** [BJW<sup>+</sup>22, HBKP14, HCL15, LCLY22, NLH<sup>+</sup>19, RS19, VPB<sup>+</sup>20, NDM<sup>+</sup>13]. **Resource-constrained** [BJW<sup>+</sup>22, RS19]. **Resource-efficient** [NLH<sup>+</sup>19]. **Response** [MSB17]. **Results** [ENPNF13, PG09]. **Reuse** [BT18]. **Review** [AMAT<sup>+</sup>18, KOD<sup>+</sup>14]. **Revolving** [NXW<sup>+</sup>22]. **REWIMO** [DRC17]. **RF** [KAS<sup>+</sup>10, SMR<sup>+</sup>14, SCL<sup>+</sup>19, ZHJ<sup>+</sup>20]. **RF-AMOC** [ZHJ<sup>+</sup>20]. **RF-based** [SCL<sup>+</sup>19]. **RFID** [NXW<sup>+</sup>22, WLW<sup>+</sup>20, ZHJ<sup>+</sup>20]. **RFSense** [SMR<sup>+</sup>14]. **rigid** [ZLGG10]. **RLC** [LWX<sup>+</sup>21]. **RNNs** [RSK<sup>+</sup>21]. **Road** [DSA<sup>+</sup>20, SMR<sup>+</sup>14, SMR<sup>+</sup>14]. **Road-RFSense** [SMR<sup>+</sup>14]. **Robin** [SC15]. **Robots** [LFNS14, TAT14, WTX<sup>+</sup>16]. **Robust** [CQDW21, KGGK11, LXY<sup>+</sup>22, LFL<sup>+</sup>19, MGS<sup>+</sup>19, PPM15, PKC<sup>+</sup>18, PG09, XBWX13, DABNR10, GFJ<sup>+</sup>13, NGSA08, LP05]. **robustness** [CKL<sup>+</sup>09]. **Room** [ABC<sup>+</sup>18, AAHS18]. **rooms** [YPW<sup>+</sup>13]. **Round** [SC15]. **Route** [IIPK20]. **Routing** [ARWK19, GLS<sup>+</sup>14, KPCB20, KJP<sup>+</sup>15, LFL<sup>+</sup>19, WS14, BGJ09, CA06, IV12, KT11, KLC13, KSMH13, LP08, PKG08, SZG13, TYD<sup>+</sup>07, XRH<sup>+</sup>13, YH13, ZSKH08, HBLR05]. **Routing-Aware** [ARWK19]. **RPL** [IIPK20, KPCB20, KJP<sup>+</sup>15]. **RSA** [CLSW12]. **RSSI** [BHA<sup>+</sup>13]. **RSSI-based** [BHA<sup>+</sup>13]. **RT** [LCH<sup>+</sup>19a]. **RT-WiFi** [LCH<sup>+</sup>19a]. **Rulers** [LJLW19]. **rules** [ZDW<sup>+</sup>10]. **S** [GDM22]. **Safety** [BSI<sup>+</sup>15]. **sales** [HBW<sup>+</sup>18]. **Sampling** [BNG12, WWL15, ZGX<sup>+</sup>16, ACG<sup>+</sup>13,

GSW09, KRJ09, LS10, LWH<sup>+06</sup>, WLD10]. **sampling-interpolation** [LS10]. **SARA** [BCL<sup>+12</sup>]. **Satellite** [LDGG21]. **SateLoc** [LDGG21]. **Saturation** [PPM15]. **Saving** [JYB<sup>+21</sup>, YXFL17, SGM08]. **Scalable** [AAHS18, CA06, WWL<sup>+16</sup>, WZZ<sup>+21</sup>, WCV<sup>+18</sup>, GCRB12, GJNC<sup>+14</sup>]. **Scale** [BTR<sup>+18</sup>, LXR<sup>+16</sup>, TJLK14, VRSR15, WS14, ZHZ<sup>+16</sup>, ZZX<sup>+20</sup>, CDR08, HBLR05, HM07b, KSMH13, KPB<sup>+08</sup>, LWG09, LGTL19, MCGZ21, MB09, PCR13, PH10, RSK<sup>+21</sup>, TJZ<sup>+13</sup>, ZSJ06, WCPC20]. **Scaling** [LFW<sup>+19</sup>, CPH06]. **SCANet** [LHZZ20]. **Scanning** [NXW<sup>+22</sup>]. **Schedules** [PSB<sup>+14</sup>]. **Scheduling** [AH20, BYD<sup>+15</sup>, CCC<sup>+21</sup>, KYM17, LED20, MZW<sup>+19</sup>, TYGW15, WWL15, YWD<sup>+21</sup>, YTR<sup>+22</sup>, ZGX<sup>+16</sup>, ZLGL19, ZLGL20, CNMH08, FS13, LDZ13, SG10, TYD<sup>+07</sup>, YYM<sup>+10</sup>]. **Scheme** [LHX<sup>+21</sup>, YXFL17, CLSW12, KLJ12, KT11, RR09, WDLN09]. **Schemes** [AH14, ZMVR14, CDGC12, LCC10]. **SDCN** [LCM21]. **SDP** [GYNY16]. **search** [YSM08]. **Searchable** [FSSR15]. **Secret** [LWH<sup>+22</sup>, PCPK14, XJR<sup>+17</sup>]. **Secure** [DABNR10, HM07b, KKRR15, LYG<sup>+13</sup>, PTDD16, VTY18, WRYL11, ZSZ20, CCMT09]. **Securing** [SDX<sup>+20</sup>]. **Security** [GDM22, MS09, MSB17, PDP<sup>+17</sup>, CC11, CKL<sup>+09</sup>, VG10, ZSJ06]. **Security-by-contract** [GDM22]. **seed** [TP07]. **seeking** [KVI<sup>+13</sup>]. **segmentation** [YYSL08]. **Segmenting** [ABM06, ZSG09]. **Seidel** [KLC13]. **Selection** [CGB<sup>+19</sup>, MGS<sup>+19</sup>, NK15, MCT14, NP12, TMAP14]. **Selective** [TDD<sup>+19</sup>, NZR10]. **Self** [BR15, HL17, PMST12, ST12, ZHCA17, ZWY21, CNMH08, KSMH13, WZL07]. **Self-Adaptation** [HL17]. **Self-healing** [PMST12]. **Self-localizing** [ST12]. **self-organized** [KSMH13]. **self-organizing** [CNMH08]. **Self-Powered** [ZHCA17]. **self-protection** [WZL07]. **Self-Sufficient** [BR15]. **Self-sustainable** [ZWY21]. **Semi** [NZM21]. **Semi-supervised** [NZM21]. **Semidefinite** [BLWY06]. **SEMON** [ZHCA17]. **SenCS** [LJW<sup>+21</sup>]. **SenseCode** [KAAF13]. **sensed** [SLC<sup>+22</sup>]. **SenseLens** [CA22]. **Sensing** [BIMD19, GLQ<sup>+22</sup>, HSGW21, HSL<sup>+15</sup>, LWY<sup>+21</sup>, LZN19, LJLW19, LCM21, MJS<sup>+19</sup>, PK20, RDP16, SMR<sup>+14</sup>, SML18, SUZK19, SYT22, SDBT19, WWL15, XAKV15, YSK<sup>+15</sup>, YCL<sup>+19</sup>, ZZ21, ZLL<sup>+22</sup>, EML<sup>+09</sup>, KPS12, NDM<sup>+13</sup>, PDMJ10, SPK14, WKA14, WLW12, ZCLJ14]. **Sensing-Based** [SMR<sup>+14</sup>]. **sensitive** [KASD09, WJZ21]. **Sensor** [AMTH<sup>+17</sup>, AMAT<sup>+18</sup>, AKSM15, Amm16, AH14, AHK16, AAHS18, BYD<sup>+15</sup>, BGMP15, BCL<sup>+12</sup>, BAP<sup>+17</sup>, BCMY22, BIMD19, BASM16, BWCW14, BSI<sup>+15</sup>, BR15, BQB<sup>+11</sup>, COS19, CWY<sup>+15</sup>, CTW<sup>+15</sup>, CPP<sup>+17</sup>, CCC<sup>+21</sup>, CML<sup>+21</sup>, CLS12, DPB19, DDA11, DBOD<sup>+16</sup>, DML<sup>+16</sup>, DXL<sup>+15</sup>, EA15, EY14, GLS<sup>+14</sup>, GLQ<sup>+22</sup>, GTL19, GZZ<sup>+14</sup>, HF17, HPS<sup>+18</sup>, HMLJ17, HSGW21, HBKP14, IPMGL18, JJ15, JM16, JTS09, KPRH14, KOD<sup>+14</sup>, KKRR15, KK15, KBW16, KRP15, Lam15, LMP14, LLX<sup>+14</sup>, LLL14, LL16, LCC<sup>+17</sup>, LHZZ20, LXR<sup>+16</sup>, LZAH<sup>+15</sup>, LMZ<sup>+16</sup>, LWM<sup>+21</sup>, LHX16, LZN19, LFW<sup>+19</sup>, MCGZ21, MB16, MSB17, MPRS16, MNLZ18, MCW<sup>+16</sup>, NGBB14, NK15, NK14, NRC<sup>+09</sup>, NP12, PK19, PPM15, PHKK17, PDP<sup>+17</sup>, PTDD16, PX13, PSB<sup>+14</sup>, PCPK14, RFB<sup>+14</sup>, RBS16, RHS20, RD16, RJL<sup>+10</sup>, SSL<sup>+19</sup>, SZG11, SZ19, SCL<sup>+14</sup>, SGG10, SB16, SCL<sup>+19</sup>, SXD<sup>+15</sup>, SGB15, SG11, SZG<sup>+15</sup>, TJLK14, TPM<sup>+17</sup>]. **Sensor** [TNBG18, TYGW15, TCB<sup>+14</sup>, VPB<sup>+20</sup>, VRSR15, WX08, WRYL11, WWFX11, WPL<sup>+16</sup>, WB17, WS14, WBS14, WLS<sup>+16</sup>, WHST16, XDX<sup>+14</sup>, XCC<sup>+15</sup>, XXHL16, YM14, YB17, ZLW<sup>+15</sup>, ZWY21, ZGT11, ZLGL19, ZLGL20, ZMVR14, Amm13, AAA06, ADF12, BKM<sup>+12</sup>, BKS13, BLWY06, BHA<sup>+13</sup>, BNG12, BGJ09, CJS11,

CA06, CDGC12, CGVC06, CYS+10, CCMT09, CK09, CSA06, CC11, CLSW12, CNMH08, CLH+13, CHN+13, CRW07, CRY+10, CDR08, CGD12, CK13, CPH06, CCJ08, DLD09, Den09, DD09, Dji10, DABNR10, DIE14, DEM+12, ELR08, EFI+10, EGG13, ENPNF13, EMBP12, FLJ+13, FS13, FLFW13, GCRB12, GSW09, GBS08, GCBL06, GSL10, GRE+07, GFJ+13, GAJ+06, GNDC08, HZGS05, HKL+06, HM07a, HWT+11, HBC+09, HTC+10, HY07, HBLR05, HLTC06, HTW07, HM07b, HCXT09, HR13, IR12, IBS+10, JKK08, JC12, JHU+13, JLYG13, JP06, JSBN+12, JR08, JKS+10, JROH09, Kal10, KBD13, KBD14].

**sensor**  
 [KXTZ09, KKP+07, KC14, KQ12, KQ14, KKK08, KPK12, KLJ12, KT11, KAAF13, KLA+14, KRJ09, KVI+13, KSMH13, KPB+08, KGGK11, KASD09, KW09, KAS+10, KAR+14, KMS+10, KA13, LP08, LCC+13, LDH06, LPV+09, LP05, LP06, LPR09, LWG09, LKA10, LR05, LSW06, LL09, LDZ13, LWSL12, LS10, LH09, LCC10, LN05, LWH+06, LND08, LFS09, LCH+09, MZWT10, MB09, MWS08, MRM09, MS09, MPS10, MDC+09, MP10, MS12, MKK+13, MPC+10, MAG13, NGSA08, NEKK12, NJS05, NZR10, NLD08, NC10, NCV10, ODCP13, ORRJ12, PDMJ10, PG10, PGG+10, PBM11, PEFSV13, PG09, PC10, PKG08, PMST12, PCR13, PA05, PH10, QM13, RBLP09, RKW+06, RBD13, RR09, SYL09, SAZ10, SZG13, SSGM10, SSC+10, SGM08, SPK+10, SCWC13, SH09, SST08, SYOY12, SZZC08, SDČ10, Su07, SG08, SG10, SC12, SEZA13, TP07, TLRE13].

**sensor** [TJZ+13, TXC+13, TXY+13, TJWK13, TBL07, TYD+07, VMS10, VG10, VAC13, WECC07, WEC11, WZL07, WZL08, WDLN09, WBS10, WLD10, WRS10, WIF+11, WC13, WWLX13, WLZ13, WWXY13, WLW12, XBWX13, XWZ+05, XLZ+07, XWDN12, XTZ08, XRH+13, YH13, YSZC13, YYM+10, YS07, YVS07, ZSKH08, ZH05, ZKS10, ZLGG10, ZJX10, ZJZ12, ZVPS10, ZHKS06, ZDG09, ZSJ06, ZSJM07, ZSG09, ZDW+10].

**sensor-actuator** [GRE+07]. **Sensor-Based** [MNLZ18, LHZZ20]. **Sensor-mission** [RJL+10]. **SensorFly** [CPP+17]. **Sensorless** [ZHCA17]. **Sensornets** [IHGS15]. **Sensors** [FLS+14, FBAG20, KCE+20, LFNS14, LWY+21, LSW14, Pha16, RKR17, SCG+15, SKM+11, ZLYW19, Bra07, CLX09, DVS+14, KC14, KAH+10, RKJ09, SMMS09, WC09, WC12, ZW05, ZBA07]. **SensorScope** [IBS+10]. **Sensory** [LCM21]. **Separation** [BNN+20]. **sequence** [KBD14]. **sequence-based** [KBD14]. **Series** [AAHS18, LLX+14]. **SeRLoc** [LP05]. **Service** [LZZ+15, LLX+22, SGB15, TGG+17, TGG+19, XZL+20, ZHZ+16, KASD09]. **Services** [FM15]. **Sets** [SCL+19]. **SGF** [HCXT09]. **Shape** [KGBS18, LWG09]. **share** [YYM+10, MCLM20]. **Shared** [CT19, LWH+22, Pha16, VPB+20, XJR+17]. **Sharing** [HBW+18, MCLM20, ZGX+16, ZKS10, ZGHZ12]. **shift** [KAS+10]. **shift-based** [KAS+10]. **short** [WDLN09]. **short-term** [WDLN09]. **Shortest** [SCL+14]. **ShortPK** [WDLN09]. **SHuffling** [TDD+19]. **Sifting** [YJWL13]. **Sign** [YPZ+17]. **Signal** [CA22, JAC19, CKL+09, NCV10, SPK+10]. **Signals** [CLX+21, FSSR15, JCZ+22]. **signature** [CLSW12]. **Silence** [YSK+15]. **Similarity** [LJW+21]. **Simple** [LSW14, FKMS06]. **simulation** [KCPC13]. **Simulators** [MPRS16]. **Single** [KJP+15]. **sink** [SZZC08]. **Sinks** [RD16]. **situ** [TLRE13, WLW12, WWL15]. **Size** [LJLW19, RSK+21]. **Sizing** [WJZ21]. **Skeletal** [XYW+22]. **Sleep** [CPX+20, NK15, YPZ+17, NC10]. **Sleep-Wake** [NK15]. **sleeping** [HY07, YH13]. **Slotted** [TNBG18]. **Smart**

[CHSA18, HPS<sup>+18</sup>, HBW<sup>+18</sup>, KCE<sup>+20</sup>, KYM17, KKP18, LL21, LSW14, NZM21, PK20, SBS18, WWZ<sup>+21</sup>, XFZ<sup>+21</sup>, YXFL17, CHN<sup>+13</sup>, ELYR14, ST12, TMAP14, WL14]. **Smartphone** [BNN<sup>+20</sup>, CPX<sup>+20</sup>, XDM<sup>+21</sup>, HSL<sup>+15</sup>, PHKK17, WTX<sup>+16</sup>]. **Smartphone-Based** [BNN<sup>+20</sup>, XDM<sup>+21</sup>, HSL<sup>+15</sup>, WTX<sup>+16</sup>]. **Smartphones** [BNPR20, SMZ<sup>+17</sup>]. **SmartRoad** [HSL<sup>+15</sup>]. **smoothness** [MCT14]. **snapshot** [JHU<sup>+13</sup>]. **Social** [BT18, CA22, SDX<sup>+20</sup>, WKA14]. **Socially** [DSH16]. **Socio** [ELYR14]. **Socio-economic** [ELYR14]. **Sociopsychological** [RBS16]. **SOCP** [GYNY16]. **Soft** [BT18]. **Software** [DCBL15, PHKK17, GRE<sup>+07</sup>, PCR13]. **Soil** [WWL15, WLW12]. **Solar** [BJR15, BIST18, YM14, JC12]. **Solar-Powered** [YM14]. **solution** [YH13]. **Solutions** [HBKP14, VG10, ZHKS06]. **SonicDoor** [KGBS18]. **Source** [GYNY16, LLX<sup>+22</sup>, MB09, PX13, YSZC13]. **source-optimized** [MB09]. **sources** [CRY<sup>+10</sup>]. **Space** [GKRW17, WWL<sup>+16</sup>, WJD16, ABM06]. **spaced** [NCV10]. **spanner** [PR10]. **spanners** [SS13]. **Sparse** [WWL15, YB17, Kal10, KVI<sup>+13</sup>, GSW09]. **sparsely** [Amm13]. **Spatial** [Kou18, LXY<sup>+22</sup>, PZOZ21, SZG11, JKK08, PKG08, SZG13, YS07]. **Spatial-Temporal** [LXY<sup>+22</sup>]. **spatially** [JP06]. **Spatio** [CUdVY13, LKA10]. **Spatio-temporal** [CUdVY13, LKA10]. **Spatiotemporal** [DD11, XFZ<sup>+21</sup>]. **Special** [NJZ18]. **specific** [IBS<sup>+10</sup>]. **spectral** [LS10]. **Spectrum** [LZN19, MSAJ18, SBS18]. **Speech** [HL17]. **Speed** [SG10, WTC22]. **SpO** [BNN<sup>+20</sup>]. **spread** [DLD09]. **spreading** [QM13]. **stability** [PFJ13]. **Stable** [LZAH<sup>+15</sup>]. **Stack** [KPRH14, RS19]. **Stack-based** [RS19]. **STARR** [CUdVY13]. **STARR-DCS** [CUdVY13]. **Start** [SMZ<sup>+17</sup>]. **state** [HCXT09, LWL12]. **state-free** [HCXT09]. **Static** [LWM<sup>+21</sup>, Den09, LN05]. **station** [SH09]. **Statistical** [PC10, IR12, KA13]. **statistically** [YSZC13]. **Staying** [BR15]. **Stealthy** [BH21]. **Steiner** [SB16]. **Stochastic** [LP06, KT11, PG09, YYM<sup>+10</sup>]. **stolen** [GPL<sup>+12</sup>]. **Storage** [LLX<sup>+14</sup>, LWCJ14, WRYL11, ZLL<sup>+22</sup>, CUdVY13, LCH<sup>+09</sup>, MDC<sup>+09</sup>, ZGHZ12]. **storage-centric** [LCH<sup>+09</sup>]. **Strategies** [LWM<sup>+21</sup>]. **Stream** [KYM17, LHZZ20]. **Street** [CT19]. **strength** [CKL<sup>+09</sup>]. **Stretch** [WS14]. **Strip** [LFL<sup>+19</sup>]. **strong** [YSZC13]. **Structural** [BWCW14, ACG<sup>+13</sup>]. **Structure** [NXW<sup>+22</sup>, GCBL06]. **structures** [ABM06]. **sTube** [HBW<sup>+18</sup>]. **Studies** [DXL<sup>+15</sup>]. **Study** [COP<sup>+16</sup>, DGS16, LGTL19, MPRS16, KPS12, MPC<sup>+10</sup>, SDTL10, YPW<sup>+13</sup>]. **Sub** [SMS22]. **Sub-1** [SMS22]. **subject** [LWSL12]. **Sufficient** [BR15]. **summarization** [dLM14]. **Superposition** [MZW<sup>+19</sup>]. **supervised** [NZM21]. **Supplied** [ZLYW19]. **Supply** [PK20]. **Support** [IIPK20, NGBB14]. **Supported** [SHWW20]. **Supporting** [KJP<sup>+15</sup>]. **Surface** [CK13, EY14, WJD16]. **Surface-level** [CK13]. **Surface-Reflection-Based** [EY14]. **Surveillance** [DXC<sup>+21</sup>, TYGW15, GAJ<sup>+06</sup>, HKL<sup>+06</sup>, VHC<sup>+09</sup>]. **Survey** [CML<sup>+21</sup>, DDA11, LDH06, LWM<sup>+21</sup>, RHD17, RDP16, RGB<sup>+17</sup>, YYC<sup>+19</sup>, BKM<sup>+12</sup>, RBD13, SG08]. **Survivability** [TYGW15]. **Survivability-Heterogeneous** [TYGW15]. **Sustainability** [KYM17]. **Sustainable** [YTR<sup>+22</sup>, DEM<sup>+12</sup>, ZWY21]. **Swarm** [CRZ<sup>+20</sup>]. **Switching** [BT18]. **Symbols** [BY19]. **sync** [YVS07]. **Synchronization** [BDO14, GJT<sup>+22</sup>, JTE20, SZ19, VTY18, VDV16, XXHL16, CLS12, SSC<sup>+10</sup>, YVS07]. **Synchronization-free** [GJT<sup>+22</sup>]. **Synchronized** [HF17]. **Synchronous**

[LHX16, MDC17]. **Synopsis** [NGSA08]. **System** [AJH<sup>+</sup>20, BR15, CPX<sup>+</sup>20, CTW<sup>+</sup>15, CA22, DLG<sup>+</sup>21, HKG<sup>+</sup>19, JLZL19, KCE<sup>+</sup>20, KGBS18, LL21, MSB17, NZM21, SMR<sup>+</sup>14, TXY<sup>+</sup>13, WLW<sup>+</sup>20, WCV<sup>+</sup>18, WJ21, XCT<sup>+</sup>16, XWW<sup>+</sup>20, XKW<sup>+</sup>22, ZGH<sup>+</sup>21, ACG<sup>+</sup>13, DABNR10, EML<sup>+</sup>09, HKL<sup>+</sup>06, LNV<sup>+</sup>05, OBB<sup>+</sup>13, ODCP13]. **System-level** [TXY<sup>+</sup>13]. **Systems** [BY19, DCBL15, GKRW17, HWS<sup>+</sup>20, JZL<sup>+</sup>19, KOD<sup>+</sup>14, MJS<sup>+</sup>19, NXW<sup>+</sup>22, RFS<sup>+</sup>19, SJH<sup>+</sup>18, SBS18, SZG<sup>+</sup>15, SDBT19, YSK<sup>+</sup>15, ZZZ<sup>+</sup>20, LJY<sup>+</sup>10, NZR10, NDM<sup>+</sup>13].

**Tag** [CWS<sup>+</sup>22, WLW<sup>+</sup>20, ZHJ<sup>+</sup>20]. **Tagged** [NXW<sup>+</sup>22]. **Tags** [CWS<sup>+</sup>22, MGS<sup>+</sup>15]. **Taming** [GHZ<sup>+</sup>22]. **Target** [LMP14, SAK<sup>+</sup>19, SMMS09, SKM<sup>+</sup>11, SYT22, Bra07, LPR09, MS12, WBS10, WRS10, YLL13, ZDW<sup>+</sup>10]. **Targets** [WPL<sup>+</sup>16, KQ12, WC09, WC12]. **TARS** [HF17]. **TAS** [LHX16]. **TAS-MAC** [LHX16]. **Task** [BJW<sup>+</sup>22, MDM<sup>+</sup>20, MKM<sup>+</sup>20, PZOZ21, YTR<sup>+</sup>22, WZZ<sup>+</sup>21]. **Task-based** [MDM<sup>+</sup>20]. **Tasks** [ZGX<sup>+</sup>16, IW14]. **Taxi** [MCLM20]. **Taxi-Sharing** [MCLM20]. **Taxicab** [ZHZ<sup>+</sup>16]. **TDMA** [AH20, GCRB12, NGBB14]. **TDMA-Based** [NGBB14, GCRB12]. **Team** [LFNS14]. **Technique** [HMLJ17, YS07]. **Techniques** [IHGS15, KLA<sup>+</sup>14, MKK<sup>+</sup>13]. **Technology** [CD21, GHZ<sup>+</sup>22, WXL<sup>+</sup>19, ZGJ<sup>+</sup>22, SMS22, SCS22]. **Temperature** [CTW<sup>+</sup>15, XXHL16]. **Temperature-Aware** [XXHL16]. **Temporal** [KXTZ09, LLX<sup>+</sup>14, LL16, LXY<sup>+</sup>22, LC14b, CUdVY13, LKA10, YS07]. **Tenet** [PGG<sup>+</sup>10]. **Term** [XDX<sup>+</sup>14, VHC<sup>+</sup>09, WDLN09, ZGHZ12]. **Terra** [BSI<sup>+</sup>15]. **terrain** [CK13]. **Testbed** [FPA<sup>+</sup>20]. **Testing** [IHGS15, AAA06]. **Text** [FSSR15]. **Text-Searchable** [FSSR15]. **Their** [LSW14]. **Theoretic** [CPL<sup>+</sup>20, SBCF20, CDGC12, VAC13]. **Theory** [DBOD<sup>+</sup>16, NEKK12, ZWWZ20, ABM13, CCJ08, DLD09, JC12, ZBA07, KXTZ09, PG09]. **Thermal** [FS13, YPW<sup>+</sup>13]. **Thermal-aware** [FS13]. **Things** [BJW<sup>+</sup>22, CQDW21, MGS<sup>+</sup>19, YTR<sup>+</sup>22, ZLYW19, ZDS<sup>+</sup>21]. **Threat** [BJW<sup>+</sup>22]. **Threat-modeling-guided** [BJW<sup>+</sup>22]. **Three** [Amm16]. **Three-Dimensional** [Amm16]. **threshold** [ZDW<sup>+</sup>10]. **throughput** [FT06]. **Tier** [XZL<sup>+</sup>20]. **Tiered** [WHST16, PGG<sup>+</sup>10]. **Tight** [YVS07]. **Time** [ABC<sup>+</sup>18, AAHS18, DRC17, GM14, LLX<sup>+</sup>14, Pha16, PSB<sup>+</sup>14, SCG<sup>+</sup>15, TNBG18, WWFX11, WLW<sup>+</sup>20, WJZ21, XXHL16, BCMY22, Gel07, HZGS05, LJW<sup>+</sup>21, LWSL12, LWH<sup>+</sup>06, NC10, ORRJ12, RS19, VMS10, WWXY13, XRH<sup>+</sup>13, YVS07, ZJX10]. **Time-Critical** [PSB<sup>+</sup>14]. **Time-efficient** [WLW<sup>+</sup>20]. **Time-sensitive** [WJZ21]. **Time-Series** [LLX<sup>+</sup>14]. **Time-Slotted** [TNBG18]. **Time-Varying** [GM14, VMS10]. **Timestamping** [GJT<sup>+</sup>22]. **Timestamps** [LTY18]. **timing** [TXC<sup>+</sup>13]. **Tiny** [YVS07]. **Tiny-sync** [YVS07]. **TinyLink** [DLG<sup>+</sup>21]. **toad** [HBC<sup>+</sup>09]. **TOC** [SCG<sup>+</sup>15]. **Tolerant** [LMP14, COS19]. **tolerating** [GPL<sup>+</sup>12, SZZC08]. **Tones** [SHY13]. **tool** [LJY<sup>+</sup>10]. **tools** [JTS09]. **topologies** [NCV10]. **Topology** [CQDW21, KPCB20, LFL<sup>+</sup>19, RFB<sup>+</sup>14, LSW06]. **Topology-Related** [RFB<sup>+</sup>14]. **Touchscreen** [CJL<sup>+</sup>20]. **trace** [YYSL08]. **tracing** [SEZA13]. **trackability** [CCJ08]. **Tracking** [BQB<sup>+</sup>11, GKRW17, LMP14, SKM<sup>+</sup>11, WPL<sup>+</sup>16, WCV<sup>+</sup>18, XYW<sup>+</sup>22, YXFL17, ZYZ<sup>+</sup>19, BHA<sup>+</sup>13, EGG13, GJNC<sup>+</sup>14, GPL<sup>+</sup>12, KASD09, KAS<sup>+</sup>10, MS12, SMMS09, TMAP14, TTBH14, WBS10]. **Trade** [FLFW13, ZZX<sup>+</sup>20, WRS10].

**Trade-off** [FLFW13, WRS10]. **Traffic** [BTR<sup>+18</sup>, DSA<sup>+20</sup>, HF17, HSL<sup>+15</sup>, IIPK20, LHX16, SMR<sup>+14</sup>, SYOY12, WECC07]. **Traffic-Adaptive** [HF17, LHX16]. **Trail** [KASD09]. **Trajectory** [SLC<sup>+22</sup>]. **Transfer** [BASM16, LDC<sup>+19</sup>, SZX17, SMZ<sup>+17</sup>, GCRB12]. **Transferable** [AAHS18]. **Transition** [SLC<sup>+22</sup>]. **Transmission** [KLC<sup>+16</sup>, KPCB20, LMZ<sup>+16</sup>, LCH<sup>+20</sup>, MDC17, MGS<sup>+19</sup>, WXL<sup>+19</sup>, GCBL06, PR10, WWXY13]. **Transmission-Based** [MDC17]. **Transmissions** [YYXL22]. **Transmit** [KR18]. **transport** [HR13, PG10]. **transportation** [RMB<sup>+10</sup>]. **trap** [CLH<sup>+13</sup>]. **travel** [Gel07]. **Tree** [JJ15, SB16, AH20, GFJ<sup>+13</sup>, JKS<sup>+10</sup>]. **Trees** [CHSA18, SCL<sup>+14</sup>]. **Trends** [AMTH<sup>+17</sup>]. **triangle** [YJWL13]. **Triggered** [SDBT19]. **Tropical** [LWL<sup>+21</sup>]. **Troubleshooting** [KLA<sup>+14</sup>]. **True** [CA22]. **Trust** [BJW<sup>+22</sup>, RBS16, SBCF20, LYG<sup>+13</sup>]. **Trust-based** [BJW<sup>+22</sup>]. **trusted** [HTC<sup>+10</sup>]. **Truth** [MJS<sup>+19</sup>, ZGH<sup>+21</sup>]. **TSCH** [TDD<sup>+19</sup>]. **tunnels** [MPC<sup>+10</sup>]. **Turf** [WWB<sup>+19</sup>]. **TV** [BAP<sup>+17</sup>]. **Two** [DGS16, GCAK17, LHZZ20, WHST16]. **Two-Connected** [GCAK17]. **Two-Hop** [DGS16]. **Two-stream** [LHZZ20]. **Two-Tiered** [WHST16]. **Type** [MGS<sup>+19</sup>]. **types** [NRC<sup>+09</sup>].

**UAVs** [KVI<sup>+13</sup>]. **Ubiquitous** [TGG<sup>+19</sup>, ZZZ<sup>+22</sup>]. **Ultra** [CP20, MDC<sup>+09</sup>, PKC<sup>+18</sup>]. **Ultra-low** [MDC<sup>+09</sup>]. **Ultra-wideband** [CP20]. **unattended** [PMST12]. **Uncontrollable** [RD16]. **Underground** [LL09]. **Understanding** [YCL<sup>+19</sup>]. **Undervolting** [KBW16]. **Underwater** [EY14, HF17, RHS20, SHY13]. **Unfolding** [CS18]. **Unit** [IHGS15, FKMS06]. **Units** [XYW<sup>+22</sup>]. **Unknown** [LGTL19]. **Unmanned** [HWS<sup>+20</sup>]. **Unobtrusive** [CPX<sup>+20</sup>]. **unreliability** [ZK07].

**Unreliable** [WKYH17]. **Unsupervised** [SLC<sup>+22</sup>, TPM<sup>+17</sup>]. **Update** [DCBL15, PBM11]. **Uplink** [YYXL22]. **upper** [ZH05]. **Urban** [DXL<sup>+15</sup>, MCLM20, ZZX<sup>+20</sup>, ZWWZ20, LNV<sup>+05</sup>]. **usable** [VG10]. **Usage** [Pha16, TPM<sup>+17</sup>]. **User** [XDX<sup>+14</sup>, YYXL22, YYSLO8]. **User-Centric** [XDX<sup>+14</sup>]. **user-trace** [YYSLO8]. **Users** [CJL<sup>+20</sup>, LLZ<sup>+20</sup>]. **Using** [AMTH<sup>+17</sup>, BQB<sup>+11</sup>, DSA<sup>+20</sup>, DML<sup>+16</sup>, KR18, LTDZ22, LDGG21, LZN19, MDC17, PHKK17, PCPK14, RKRP17, RMB<sup>+10</sup>, SZX17, SMZ<sup>+17</sup>, SZG<sup>+15</sup>, TPM<sup>+17</sup>, TAT14, WTX<sup>+16</sup>, WB17, WHYC19, WWL15, XAKV15, YPZ<sup>+17</sup>, YB17, ZGH<sup>+21</sup>, BNPR20, CHSA18, CRY<sup>+10</sup>, DLD09, EGG13, FLJ<sup>+13</sup>, HR13, JYB<sup>+21</sup>, KCPC13, KLA<sup>+14</sup>, KVI<sup>+13</sup>, KNSM14, LCC<sup>+13</sup>, LK09, LFS09, LC14a, MS12, ORRJ12, RR09, SZG13, SPK14, SYOY12, WL14, XRS10, ZBA07, ZGT11, KAH<sup>+10</sup>]. **Utility** [EMBP12, SJH<sup>+18</sup>, PDMJ10]. **Utility-based** [EMBP12, PDMJ10]. **Utilization** [VPB<sup>+20</sup>]. **Utilizing** [QM13].

**validity** [FLFW13]. **value** [BKS13, VG10]. **value-based** [VG10]. **Valued** [WHYC19]. **Variable** [ZDG09, PR10]. **variant** [TTBH14]. **Variation** [KR18]. **Varying** [GM14, VMS10]. **Vehicles** [LXR<sup>+16</sup>]. **Verification** [LJW<sup>+21</sup>]. **versatile** [DDHC<sup>+12</sup>]. **versus** [LP08]. **via** [CJL<sup>+20</sup>, CG18, HPS<sup>+18</sup>, HKG<sup>+19</sup>, JZX<sup>+20</sup>, KLJ12, LKA10, LJW<sup>+21</sup>, LXR<sup>+16</sup>, NXW<sup>+22</sup>, SBS18, SMS22, TLRE13, TGG<sup>+17</sup>, XXHL16, YYSLO8]. **Vibration** [ZDS<sup>+21</sup>, KPS12]. **Vibration-based** [ZDS<sup>+21</sup>, KPS12]. **Video** [XKW<sup>+22</sup>, DVS<sup>+14</sup>, dLM14]. **View** [JM16, MCT14, WC13]. **views** [KNSM14]. **VigilNet** [HKL<sup>+06</sup>, VHC<sup>+09</sup>]. **Virtual** [LDGG21, DABNR10]. **vision** [ELYR14, IW14]. **Visitor** [KSR<sup>+20</sup>]. **Visual** [SYT22, XDM<sup>+21</sup>, DVS<sup>+14</sup>, KQ12, KQ14,

MAG13]. **Vital** [YPZ<sup>+17</sup>]. **VLSI** [GAJ<sup>+06</sup>]. **VNF** [XZL<sup>+20</sup>]. **volcanic** [TXC<sup>+13</sup>]. **Volumetric** [WWL<sup>+16</sup>].

**W3W** [ZLYW19]. **Wake** [CWY<sup>+15</sup>, NK15, GAJ<sup>+06</sup>, ODCP13]. **Wake-Up** [CWY<sup>+15</sup>, GAJ<sup>+06</sup>, ODCP13]. **wakeup** [SHY13]. **Walking** [KGBS18, WTC22]. **warfare** [LNV<sup>+05</sup>]. **Water** [AMTH<sup>+17</sup>, DXL<sup>+15</sup>, KYM17, PK19, KPS12, LCC<sup>+13</sup>]. **Wave** [BY19, TYD<sup>+07</sup>, YPZ<sup>+17</sup>]. **Wavelengths** [BNN<sup>+20</sup>]. **Waving** [LJLW19]. **way** [SAZ10]. **Wearable** [XJR<sup>+17</sup>]. **Wearables** [JLZL19]. **weighted** [CPH06]. **weighted-multidimensional** [CPH06]. **where** [SYOY12]. **while** [GPL<sup>+12</sup>]. **Whisper** [BLGS19]. **Who** [SYOY12]. **Wi** [ZZZ<sup>+22</sup>]. **Wi-Fi** [ZZZ<sup>+22</sup>]. **wide** [KNSM14, WJ21, YSM08]. **wide-area** [KNSM14]. **Wideband** [PKC<sup>+18</sup>, CP20]. **WiFi** [LCH<sup>+19a</sup>]. **Wild** [DML<sup>+16</sup>]. **wildlife** [DEM<sup>+12</sup>]. **WILDSENSING** [DEM<sup>+12</sup>]. **will** [SYOY12]. **Wind** [DXL<sup>+15</sup>]. **Wireless** [AMTH<sup>+17</sup>, AMAT<sup>+18</sup>, AKSM15, Amm16, AH14, BYD<sup>+15</sup>, BGMP15, BDO14, BAP<sup>+17</sup>, BCMY22, BIMD19, BASM16, BLGS19, BSI<sup>+15</sup>, CBSA18, CKHP19, CWY<sup>+15</sup>, DPB19, DRW<sup>+14</sup>, DRC17, DDA11, DSH16, DGS16, DML<sup>+16</sup>, EA15, GLS<sup>+14</sup>, GCAK17, GTL19, GZZ<sup>+14</sup>, HBKP14, HCL15, IPMGL18, JM16, KOD<sup>+14</sup>, KKRR15, KK15, KBW16, KRP15, LL16, LCC<sup>+17</sup>, LDC<sup>+19</sup>, LXY<sup>+22</sup>, LZAH<sup>+15</sup>, LMZ<sup>+16</sup>, LWM<sup>+21</sup>, LWCJ14, LHX16, LFL<sup>+19</sup>, LFW<sup>+19</sup>, LCH<sup>+20</sup>, LCLY22, MCGZ21, MB16, MSB17, MPRS16, MSAJ18, NGBB14, NK15, NK14, PPM15, PDP<sup>+17</sup>, PTDD16, Pha16, PSB<sup>+14</sup>, PCPK14, RFB<sup>+14</sup>, RBS16, SSL<sup>+19</sup>, SCL<sup>+14</sup>, SCG<sup>+15</sup>, SXD<sup>+15</sup>, SGB15, SZG<sup>+15</sup>, SDBT19, TCN<sup>+17</sup>, TPM<sup>+17</sup>, TNBG18, WWFX11, WPL<sup>+16</sup>, WKYH17, WZLM21, WS14, WBS14, WLS<sup>+16</sup>, WHST16, XDX<sup>+14</sup>, XXHL16, YM14, YTB<sup>+14</sup>, YB17, ZHCA17, ZLW<sup>+15</sup>, ZZZ<sup>+20</sup>, ZLZ21, ZWY21, ZLGL19, ZLGL20, ADF12, BKM<sup>+12</sup>, BHA<sup>+13</sup>, BNG12, CJS11, CA06, CDGC12, CYS<sup>+10</sup>]. **wireless** [CCMT09, CC11, CLSW12, CNMH08, CLX09, CLH<sup>+13</sup>, CVY09, CGD12, DLD09, Den09, DD09, DABNR10, DIE14, DDHC<sup>+12</sup>, ENPNF13, EMBP12, FLJ<sup>+13</sup>, FT06, GFJ<sup>+13</sup>, HM07a, HWT<sup>+11</sup>, HTC<sup>+10</sup>, HLTC06, HTW07, HCXT09, HR13, IV12, JHU<sup>+13</sup>, JLYG13, KBD14, KXTZ09, KCPC13, KC14, KPK12, KLJ12, KLA<sup>+14</sup>, KRJ09, KSMH13, LDH06, LPV<sup>+09</sup>, LP05, LPR09, LKA10, LSW06, LL09, LDZ13, LYG<sup>+13</sup>, LCC10, LWH<sup>+06</sup>, LND08, LFS09, MZWT10, MPS10, MS12, MKK<sup>+13</sup>, MPC<sup>+10</sup>, NZR10, NLD08, NC10, OBB<sup>+13</sup>, ODCP13, PDMJ10, PG10, PEFSV13, PKG08, PMST12, PCR13, QM13, RBLP09, RBD13, RJL<sup>+10</sup>, RR09, SYL09, SAZ10, SZG13, SSGM10, SPK<sup>+10</sup>, SCWC13, SH09, SPK14, SZCC08, SDTL10, Su07, SEZA13, TP07, TXC<sup>+13</sup>, TXY<sup>+13</sup>, TBL07, VAC13, WZL07, WLD10, WWLX13, XBWX13, XLZ<sup>+07</sup>, XTZ08, XRH<sup>+13</sup>, YS07, YVS07, ZK07, ZSKH08, ZJX10, ZJZ12, ZCLJ14, ZHKS06, ZDW<sup>+10</sup>]. **Wireless-Charging-Based** [CKHP19]. **Wireless-Sensor-Network-Enabled** [KOD<sup>+14</sup>]. **without** [LHX<sup>+21</sup>, SSGM10]. **Workloads** [LDG<sup>+21</sup>]. **World** [GKRW17, SGG10, YSM08]. **Worn** [SDX<sup>+20</sup>]. **worst** [JKS<sup>+10</sup>]. **worst-case** [JKS<sup>+10</sup>]. **WPANs** [LED20]. **Wrist** [SDX<sup>+20</sup>]. **Wrist-Worn** [SDX<sup>+20</sup>]. **Writing** [YXG<sup>+19</sup>]. **WSN** [JAC19]. **WSNs** [AMAT<sup>+18</sup>, ABM13, AH20, ARWK19, KLC13, WWL<sup>+16</sup>, WJD16, XAKV15, YLSZ19, ZGX<sup>+16</sup>]. **Wyner** [DVS<sup>+14</sup>].

**Y-Networks** [JJ15].

**Zero** [VRSR15]. **Zero-Delay** [VRSR15]. **ZigBee** [AH20, SMS22, SCS22]. **ZigBee-like** [AH20]. **Ziv** [DVS<sup>+14</sup>].



## References

- Arici:2006:PEB**
- [AAA06] Tarik Arici, Toygar Akgun, and Yucel Altunbasak. A prediction error-based hypothesis testing method for sensor data acquisition. *ACM Transactions on Sensor Networks*, 2(4):529–556, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Arief-Ang:2018:SRO**
- [AAHS18] Irvan B. Arief-Ang, Margaret Hamilton, and Flora D. Salim. A scalable room occupancy prediction with transferable time series decomposition of CO<sub>2</sub> sensor data. *ACM Transactions on Sensor Networks*, 14(3–4):21:1–21:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Abbas:2018:IHG**
- [ABC<sup>+</sup>18] Samar Abbas, Abu Bakar, Yasra Chandio, Khadija Hafeez, Ayesha Ali, Tariq M. Jadoon, and Muhammad Hamad Alizai. Inverted HVAC: Greenifying older buildings, one room at a time. *ACM Transactions on Sensor Networks*, 14(3–4):26:1–26:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Agarwal:2006:SOS**
- [ABM06] Pankaj K. Agarwal, David Brady, and Jiří Matoušek. Segmenting object space by geometric reference structures. *ACM Transactions on Sensor Networks*, 2(4):455–465, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Abrardo:2013:GTD**
- [ABM13] Andrea Abrardo, Lapo Balucanti, and Alessandro Mecocci. A game theory distributed approach for energy optimization in WSNs. *ACM Transactions on Sensor Networks*, 9(4):44:1–44:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Alippi:2013:HFS**
- [ACG<sup>+</sup>13] Cesare Alippi, Romolo Campiani, Cristian Galperti, Antonio Marullo, and Manuel Roveri. A high-frequency sampling monitoring system for environmental and structural applications. *ACM Transactions on Sensor Networks*, 9(4):41:1–41:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ayday:2012:DAA**
- [ADF12] Erman Ayday, Farshid Delgousha, and Faramarz Fekri. Data authenticity and availability in multihop wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):10:1–10:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [AH14] **Anagnostopoulos:2014:APC**  
Christos Anagnostopoulos and Stathes Hadjiefthymiades. Advanced principal component-based compression schemes for wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):7:1–7:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AH20] **Ahmad:2020:EED**  
Aasem Ahmad and Zdenek Hanzalek. An energy-efficient distributed TDMA scheduling algorithm for ZigBee-like cluster-tree WSNs. *ACM Transactions on Sensor Networks*, 16(1):3:1–3:41, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360722>.
- [AHK16] **Anagnostopoulos:2016:ADD**  
Christos Anagnostopoulos, Stathes Hadjiefthymiades, and Kostas Kolomvatsos. Accurate, dynamic, and distributed localization of phenomena for mobile sensor networks. *ACM Transactions on Sensor Networks*, 12(2):9:1–9:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AJH<sup>+</sup>20] **Alaziz:2020:BBM**  
Musaab Alaziz, Zhenhua Jia, Richard Howard, Xiaodong Lin, and Yanyong Zhang. In-bed body motion detection and classification system. *ACM Transactions on Sensor Networks*, 16(2):13:1–13:26, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372023>.
- [AKC<sup>+</sup>18] **Andersen:2018:DAB**  
Michael P. Andersen, John Kolb, Kaifei Chen, Gabe Fierro, David E. Culler, and Randy Katz. Democratizing authority in the built environment. *ACM Transactions on Sensor Networks*, 14(3–4):17:1–17:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AKSM15] **Ali:2015:AHC**  
Azad Ali, Abdelmajid Khelil, Neeraj Suri, and Mohammadreza Mahmudimanesh. Adaptive hybrid compression for wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(4):53:1–53:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [AMAT<sup>+</sup>18] **Adu-Manu:2018:EHW**  
Kofi Sarpong Adu-Manu, Nadir Adam, Cristiano Tapparello, Hoda Ayatollahi, and Wendi Heinzelman. Energy-harvesting wireless sensor networks (EH-WSNs): a review. *ACM Transactions on Sensor Networks*, 14(2):10:1–10:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ammari:2013:JCD**

- [Amm13] Habib M. Ammari. Joint  $k$ -coverage and data gathering in sparsely deployed sensor networks — impact of purposeful mobility and heterogeneity. *ACM Transactions on Sensor Networks*, 10(1):8:1–8:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ammari:2016:KCC**

- [Amm16] Habib M. Ammari. 3D- $k$  Cov-ComFor: an energy-efficient framework for composite forwarding in three-dimensional duty-cycled  $k$ -covered wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(4):35:1–35:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Adu-Manu:2017:WQM**

- [AMTH<sup>+</sup>17] Kofi Sarpong Adu-Manu, Cristiano Tapparello, Wendi Heinzelman, Ferdinand Apietu Katsriku, and Jamal-Deen Abdulai. Water quality monitoring using wireless sensor networks: Current trends and future research directions. *ACM Transactions on Sensor Networks*, 13(1):4:1–4:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Alghamdi:2019:RAM**

- [ARWK19] Wael Alghamdi, Mohsen Rezvani, Hui Wu, and Salil S. Kanhere. Routing-aware and

malicious node detection in a concealed data aggregation for WSNs. *ACM Transactions on Sensor Networks*, 15(2):18:1–18:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3293537](https://dl.acm.org/ft_gateway.cfm?id=3293537).

**Bedogni:2017:PAF**

- [BAP<sup>+</sup>17] Luca Bedogni, Andreas Aichtzehn, Marina Petrova, Petri Mähönen, and Luciano Bononi. Performance assessment and feasibility analysis of IEEE 802.15.4m wireless sensor networks in TV grayspaces. *ACM Transactions on Sensor Networks*, 13(1):8:1–8:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Bhatti:2016:EHW**

- [BASM16] Naveed Anwar Bhatti, Muhammad Hamad Alizai, Affan A. Syed, and Luca Mottola. Energy harvesting and wireless transfer in sensor network applications: Concepts and experiences. *ACM Transactions on Sensor Networks*, 12(3):24:1–24:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Bartolini:2012:SAR**

- [BCL<sup>+</sup>12] Novella Bartolini, Tiziana Calamoneri, Tom La Porta, Chiara Petrioli, and Simone Silvestri. Sensor activation and radius adaptation (SARA) in heterogeneous sensor networks. *ACM*

- Transactions on Sensor Networks*, 8(3):24:1–24:??, July 2012. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BCMY22] Pamela Bezerra, Po-Yu Chen, Julie A. McCann, and Weiren Yu. Adaptive monitor placement for near real-time node failure localisation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 18(1):2:1–2:41, February 2022. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3466639>.
- [BDO14] Leonid Barenboim, Shlomi Dolev, and Rafail Ostrovsky. Deterministic and energy-optimal wireless synchronization. *ACM Transactions on Sensor Networks*, 11(1):13:1–13:??, August 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BGJ09] Jehoshua Bruck, Jie Gao, and Anxiao (Andrew) Jiang. Localization and routing in sensor networks by local angle information. *ACM Transactions on Sensor Networks*, 5(1):7:1–7:??, February 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BGMP15] Amitabha Bagchi, Sainyam Galhotra, Tarun Mangla, and Cristina M. Pinotti. Optimal radius for connectivity in duty-cycled wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):36:1–36:??, February 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BH21] Mai Ben Adar Bessos and Amir Herzberg. Intercepting a stealthy network. *ACM Transactions on Sensor Networks*, 17(2):10:1–10:39, June 2021. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3431223>.
- [BHA<sup>+</sup>13] Gaddi Blumrosen, Bracha Hod, Tal Anker, Danny Dolev, and Boris Rubinsky. Enhancing RSSI-based tracking accuracy in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):29:1–29:??, May 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BIMD19] Kriti Bhargava, Stepan Ivanov, Diarmuid McSweeney, and William Donnelly. Leveraging fog analytics for context-aware sensing in cooperative wireless sensor networks. *ACM Transactions on Sensor Networks*, 15

- (2):23:1–23:??, April 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3306147](https://dl.acm.org/ft_gateway.cfm?id=3306147).
- [BIST18] Noman Bashir, David Irwin, Prashant Shenoy, and Jay Taneja. Mechanisms and policies for controlling distributed solar capacity. *ACM Transactions on Sensor Networks*, 14(3–4):25:1–25:??, December 2018. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BJR15] Elizabeth Basha, Raja Jurdak, and Daniela Rus. In-network distributed solar current prediction. *ACM Transactions on Sensor Networks*, 11(2):23:1–23:??, February 2015. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BJW<sup>+</sup>22] Matthew Bradbury, Arshad Jhumka, Tim Watson, Denys Flores, Jonathan Burton, and Matthew Butler. Threat-modeling-guided trust-based task offloading for resource-constrained Internet of Things. *ACM Transactions on Sensor Networks*, 18(2):29:1–29:41, May 2022. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3510424>.
- [BKM<sup>+</sup>12] Nouha Baccour, Anis Koubâa, Luca Mottola, Marco Antonio Zúñiga, Habib Youssef, Carlo Alberto Boano, and Mário Alves. Radio link quality estimation in wireless sensor networks: a survey. *ACM Transactions on Sensor Networks*, 8(4):34:1–34:??, September 2012. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BKS13] Chatschik Bisdikian, Lance M. Kaplan, and Mani B. Srivastava. On the quality and value of information in sensor networks. *ACM Transactions on Sensor Networks*, 9(4):48:1–48:??, July 2013. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BLGS19] Martina Brachmann, Olaf Landsiedel, Diana Göhringer, and Silvia Santini. Whisper: Fast flooding for low-power wireless networks. *ACM Transactions on Sensor Networks*, 15(4):47:1–47:??, October 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3356341](https://dl.acm.org/ft_gateway.cfm?id=3356341).
- [BLWY06] Pratik Biswas, Tzu-Chen Lian, Ta-Chung Wang, and Yinyu Ye. Semidefinite programming based algorithms for sensor network localization. *ACM Transactions*

on *Sensor Networks*, 2(2):188–220, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Boers:2012:SCI**

[BNG12] Nicholas M. Boers, Ioanis Nikolaidis, and Pawel Gburzynski. Sampling and classifying interference patterns in a wireless sensor network. *ACM Transactions on Sensor Networks*, 9(1):2:1–2:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Bui:2020:SBS**

[BNN<sup>+</sup>20] Nam Bui, Anh Nguyen, Phuc Nguyen, Hoang Truong, Ashwin Ashok, Thang Dinh, Robin Deterding, and Tam Vu. Smartphone-based SpO<sub>2</sub> measurement by exploiting wavelengths separation and chromophore compensation. *ACM Transactions on Sensor Networks*, 16(1):9:1–9:30, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360725>.

**Bhandari:2020:DLD**

[BNPR20] Ravi Bhandari, Akshay Uttama Nambi, Venkata N. Padmanabhan, and Bhaskaran Raman. Driving lane detection on smartphones using deep neural networks. *ACM Transactions on Sensor Networks*, 16(1):2:1–2:22, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

URL <https://dl.acm.org/doi/abs/10.1145/3358797>.

**Busnel:2011:ADT**

[BQB<sup>+</sup>11] Yann Busnel, Leonardo Querzoni, Roberto Baldoni, Marin Bertier, and Anne-Marie Ker-marrec. Analysis of deterministic tracking of multiple objects using a binary sensor network. *ACM Transactions on Sensor Networks*, 8(1):8:1–8:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Bui:2015:SAS**

[BR15] Nicola Bui and Michele Rossi. Staying alive: System design for self-sufficient sensor networks. *ACM Transactions on Sensor Networks*, 11(3):40:1–40:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Brass:2007:BCT**

[Bra07] Peter Brass. Bounds on coverage and target detection capabilities for models of networks of mobile sensors. *ACM Transactions on Sensor Networks*, 3(2):9:1–9:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Bhandari:2018:CCF**

[BRR<sup>+</sup>18] Ravi Bhandari, Bhaskaran Raman, K. K. Ramakrishnan, Deepthi Chander, Naveen Aggarwal, Divya Bansal, Mahima Choudhary, Nisha Moond, Aneesh Bansal, and Megha

- Chaudhary. CrowdLoc: Cellular fingerprinting for crowds by crowds. *ACM Transactions on Sensor Networks*, 14(1):4:1–4:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BSI<sup>+</sup>15] Adriano Branco, Francisco Sant’anna, Roberto Ierusalimsky, Noemi Rodriguez, and Silvana Rossetto. Terra: Flexibility and safety in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(4):59:1–59:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BT18] MD. Zulfiqar Ali Bhotto and Wee Peng Tay. Non-Bayesian social learning with observation reuse and soft switching. *ACM Transactions on Sensor Networks*, 14(2):14:1–14:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BTR<sup>+</sup>18] Romil Bhardwaj, Gopi Krishna Tummala, Ganesan Ramalingam, Ramachandran Ramjee, and Prasun Sinha. AutoCalib: Automatic traffic camera calibration at scale. *ACM Transactions on Sensor Networks*, 14(3–4):19:1–19:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BWCW14] Md Zakirul Alam Bhuiyan, Guojun Wang, Jiannong Cao, and Jie Wu. Sensor placement with multiple objectives for structural health monitoring. *ACM Transactions on Sensor Networks*, 10(4):68:1–68:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [BY19] Chung Buiquang and Zhongfu Ye. Blind joint 2-D DOA/symbols estimation for 3-D millimeter wave massive MIMO communication systems. *ACM Transactions on Sensor Networks*, 15(4):46:1–46:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3352487](https://dl.acm.org/ft_gateway.cfm?id=3352487).
- [BYD<sup>+</sup>15] Miloud Bagaa, Mohamed Younis, Djamel Djenouri, Abdelouahid Derhab, and Nadjib Badache. Distributed low-latency data aggregation scheduling in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):49:1–49:??, May 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CA06] Qing Cao and Tarek Abdelzaher. Scalable logical coordinates framework for routing in wireless

**Bhuiyan:2014:SPM****Branco:2015:TFS****Buiquang:2019:BJD****Bhotto:2018:NBS****Bagaa:2015:DLL****Bhardwaj:2018:AAT****Cao:2006:SLC**

- sensor networks. *ACM Transactions on Sensor Networks*, 2(4): 557–593, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Cui:2022:SES**
- [CA22] Hang Cui and Tarek Abdelzaher. SenseLens: an efficient social signal conditioning system for true event detection. *ACM Transactions on Sensor Networks*, 18(2):16:1–16:27, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3485047>.
- Chandio:2018:NWE**
- [CBSA18] Yasra Chandio, Jó Ágila Bitsch, Affan A. Syed, and Muhammad Hamad Alizai. Networking wireless energy in embedded networks. *ACM Transactions on Sensor Networks*, 14(2): 9:1–9:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Chan:2011:SFP**
- [CC11] Aldar C-F. Chan and Claude Castelluccia. A security framework for privacy-preserving data aggregation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(4):29:1–29:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Chen:2021:ECA**
- [CCC+21] Quan Chen, Zhipeng Cai, Lianglun Cheng, Hong Gao, and Jianzhong Li. Energy-collision-aware minimum latency aggregation scheduling for energy-harvesting sensor networks. *ACM Transactions on Sensor Networks*, 17(4):40:1–40:34, July 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3461013>.
- Crespi:2008:TTA**
- [CCJ08] Valentino Crespi, George Cybenko, and Guofei Jiang. The theory of trackability with applications to sensor networks. *ACM Transactions on Sensor Networks*, 4(3):16:1–16:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Castelluccia:2009:EPS**
- [CCMT09] Claude Castelluccia, Aldar C-F. Chan, Einar Mykletun, and Gene Tsudik. Efficient and provably secure aggregation of encrypted data in wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(3):20:1–20:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Chen:2021:RJA**
- [CD21] Gonglong Chen and Wei Dong. Reactive jamming and attack mitigation over cross-technology communication links. *ACM Transactions on Sensor Networks*, 17(1):4:1–4:25, January 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (elec-



tronic). URL <https://dl.acm.org/doi/10.1145/3418210>.

**Cao:2012:ITM**

- [CDGC12] Zhen Cao, Hui Deng, Zhi Guan, and Zhong Chen. Information-theoretic modeling of false data filtering schemes in wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):14:1–14:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chitnis:2008:AML**

- [CDR08] Laukik Chitnis, Alin Dobra, and Sanjay Ranka. Aggregation methods for large-scale sensor networks. *ACM Transactions on Sensor Networks*, 4(2):9:1–9:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Cichon:2018:ACA**

- [CG18] Jacek Cichoń and Karol Gotfryd. Average counting via approximate histograms. *ACM Transactions on Sensor Networks*, 14(2):8:1–8:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chen:2019:TPO**

- [CGB<sup>+</sup>19] Yueyue Chen, Deke Guo, MD Zakirul Alam Bhuiyan, Ming Xu, Guojun Wang, and Pin Lv. Towards profit optimization during online participant selection in compressive mobile crowdsensing. *ACM Transactions on Sensor Networks*, 15(4):

38:1–38:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3342515](https://dl.acm.org/ft_gateway.cfm?id=3342515).

**Choi:2012:NFE**

- [CGD12] Wook Choi, Giacomo Ghidini, and Sajal K. Das. A novel framework for energy-efficient data gathering with random coverage in wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(4):36:1–36:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Carbunar:2006:RCD**

- [CGVC06] Bogdan Cărbunar, Ananth Grama, Jan Vitek, and Octavian Cărbunar. Redundancy and coverage detection in sensor networks. *ACM Transactions on Sensor Networks*, 2(1):94–128, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chen:2013:LBC**

- [CHN<sup>+</sup>13] Phoebus Chen, Kirak Hong, Nikhil Naikal, S. Shankar Sastry, Doug Tygar, Posu Yan, Allen Y. Yang, Lung-Chung Chang, Leon Lin, Simon Wang, Edgar Lo-batón, Songhwai Oh, and Parvez Ahammad. A low-bandwidth camera sensor platform with applications in smart camera networks. *ACM Transactions on Sensor Networks*, 9(2):21:1–21:??, March 2013. CODEN ????

ISSN 1550-4859 (print), 1550-4867 (electronic).

**Cauchi:2018:MSB**

- [CHSA18] Nathalie Cauchi, Khaza Anuarul Hoque, Marielle Stoelinga, and Alessandro Abate. Maintenance of smart buildings using fault trees. *ACM Transactions on Sensor Networks*, 14(3-4):28:1-28:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Cheng:2020:ICU**

- [CJL+20] Yushi Cheng, Xiaoyu Ji, Xiaopeng Li, Tianchen Zhang, Sharaf Malebary, Xianshan Qu, and Wenyuan Xu. Identifying child users via touchscreen interactions. *ACM Transactions on Sensor Networks*, 16(4):35:1-35:25, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3403574>.

**Cai:2011:CSD**

- [CJS11] Haiyan Cai, Xiaohua Jia, and Mo Sha. Critical sensor density for partial connectivity in large area wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(4):35:1-35:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Cevher:2009:ASN**

- [CK09] Volkan Cevher and Lance M. Kaplan. Acoustic sensor network design for position estimation.

*ACM Transactions on Sensor Networks*, 5(3):21:1-21:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chong:2013:SLP**

- [CK13] Poh Kit Chong and Daeyoung Kim. Surface-level path loss modeling for sensor networks in flat and irregular terrain. *ACM Transactions on Sensor Networks*, 9(2):15:1-15:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chang:2019:PPN**

- [CKHP19] Sang-Yoon Chang, Sristi Lakshmi Sravana Kumar, Yih-Chun Hu, and Younghee Park. Power-positive networking: Wireless-charging-based networking to protect energy against battery DoS attacks. *ACM Transactions on Sensor Networks*, 15(3):27:1-27:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3317686](https://dl.acm.org/ft_gateway.cfm?id=3317686).

**Chen:2009:SRP**

- [CKL+09] Yingying Chen, Konstantinos Kleisouris, Xiaoyan Li, Wade Trappe, and Richard P. Martin. A security and robustness performance analysis of localization algorithms to signal strength attacks. *ACM Transactions on Sensor Networks*, 5(1):2:1-2:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chen:2013:EET**

- [CLH<sup>+</sup>13] Jiming Chen, Junkun Li, Shibo He, Tian He, Yu Gu, and Youxian Sun. On energy-efficient trap coverage in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):2:1–2:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Cucuringu:2012:SNL**

- [CLS12] Mihai Cucuringu, Yaron Lipman, and Amit Singer. Sensor network localization by eigenvector synchronization over the Euclidean group. *ACM Transactions on Sensor Networks*, 8(3):19:1–19:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chang:2012:PRS**

- [CLSW12] Shih-Ying Chang, Yue-Hsun Lin, Hung-Min Sun, and Mu-En Wu. Practical RSA signature scheme based on periodical rekeying for wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):13:1–13:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chen:2009:MGQ**

- [CLX09] Ai Chen, Ten H. Lai, and Dong Xuan. Measuring and guaranteeing quality of barrier coverage for general belts with wireless sensors. *ACM Transactions*

*on Sensor Networks*, 6(1):2:1–2:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Chang:2021:DDL**

- [CLX<sup>+</sup>21] Xiangmao Chang, Gangkai Li, Guoliang Xing, Kun Zhu, and Linlin Tu. DeepHeart: a deep learning approach for accurate heart rate estimation from PPG signals. *ACM Transactions on Sensor Networks*, 17(2):14:1–14:18, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3441626>.

**Concas:2021:LCO**

- [CML<sup>+</sup>21] Francesco Concas, Julien Mineraud, Eemil Lagerspetz, Samu Varjonen, Xiaoli Liu, Kai Puolamäki, Petteri Nurmi, and Sasu Tarkoma. Low-cost outdoor air quality monitoring and sensor calibration: a survey and critical analysis. *ACM Transactions on Sensor Networks*, 17(2):20:1–20:44, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3446005>.

**Chatterjea:2008:DSO**

- [CNMH08] Supriyo Chatterjea, Tim Nieberg, Nirvana Meratnia, and Paul Havinga. A distributed and self-organizing scheduling algorithm for energy-efficient data aggregation in wireless sensor networks. *ACM Transactions*

- on *Sensor Networks*, 4(4):20:1–20:??, August 2008. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [CPH06]
- Choi:2016:DIM**
- [COP+16] Woohyeok Choi, Jeungmin Oh, Taiwoo Park, Seongjun Kang, Miri Moon, Uichin Lee, Inseok Hwang, Darren Edge, and June-hwa Song. Designing interactive multiswimmer exergames: a case study. *ACM Transactions on Sensor Networks*, 12(3):17:1–17:??, August 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [CPL+20]
- Cardell-Oliver:2019:BAC**
- [COS19] Rachel Cardell-Oliver and Chayan Sarkar. BuildSense: Accurate, cost-aware, fault-tolerant monitoring with minimal sensor infrastructure. *ACM Transactions on Sensor Networks*, 15(3):36:1–36:??, August 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3341171](https://dl.acm.org/ft_gateway.cfm?id=3341171). [CPP+17]
- Corbalan:2020:UWC**
- [CP20] Pablo Corbalán and Gian Pietro Picco. Ultra-wideband concurrent ranging. *ACM Transactions on Sensor Networks*, 16(4):41:1–41:41, October 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3409477>. [CPX+20]
- Costa:2006:DWM**
- Jose A. Costa, Neal Patwari, and Alfred O. Hero III. Distributed weighted-multidimensional scaling for node localization in sensor networks. *ACM Transactions on Sensor Networks*, 2(1):39–64, February 2006. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Chiariotti:2020:GTA**
- Federico Chiariotti, Chiara Pielli, Nicola Laurenti, Andrea Zanella, and Michele Zorzi. A game-theoretic analysis of energy-depleting jamming attacks with a learning counterstrategy. *ACM Transactions on Sensor Networks*, 16(1):6:1–6:25, February 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3365838>.
- Chen:2017:DEM**
- Xinlei Chen, Aveek Purohit, Shijia Pan, Carlos Ruiz, Jun Han, Zheng Sun, Frank Mokaya, Patric Tague, and Pei Zhang. Design experiences in minimalistic flying sensor node platform through SensorFly. *ACM Transactions on Sensor Networks*, 13(4):33:1–33:??, December 2017. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Chang:2020:ISS**
- Xiangmao Chang, Cheng Peng, Guoliang Xing, Tian Hao,

- and Gang Zhou. iSleep: a smartphone system for unobtrusive sleep quality monitoring. *ACM Transactions on Sensor Networks*, 16(3):27:1–27:32, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3392049>. **Chen:2021:RND**
- [CQDW21] Ning Chen, Tie Qiu, Mahmoud Daneshmand, and Dapeng Oliver Wu. Robust networking: Dynamic topology evolution learning for Internet of Things. *ACM Transactions on Sensor Networks*, 17(3):28:1–28:23, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3446937>. **Cheng:2007:CBP**
- [CRW07] Maggie X. Cheng, Lu Ruan, and Weili Wu. Coverage breach problems in bandwidth-constrained sensor networks. *ACM Transactions on Sensor Networks*, 3(2):12:1–12:??, June 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Chin:2010:ILL**
- [CRZ+20] Xinlei Chen, Carlos Ruiz, Si-han Zeng, Liyao Gao, Aveek Purohit, Stefano Carpin, and Pei Zhang. H-DrunkWalk: Collaborative and adaptive navigation for heterogeneous MAV swarm. *ACM Transactions on Sensor Networks*, 16(2):20:1–20:27, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3382094>. **Chen:2020:HDC**
- [CRZ+20] Xinlei Chen, Carlos Ruiz, Si-han Zeng, Liyao Gao, Aveek Purohit, Stefano Carpin, and Pei Zhang. H-DrunkWalk: Collaborative and adaptive navigation for heterogeneous MAV swarm. *ACM Transactions on Sensor Networks*, 16(2):20:1–20:27, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3382094>. **Cheong:2017:AKK**
- [CS17] Se-Hang Cheong and Yain-Whar Si. Accelerating the Kamada-Kawai algorithm for boundary detection in a mobile ad hoc network. *ACM Transactions on Sensor Networks*, 13(1):3:1–3:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Cheong:2018:BND**
- [CRY+10] Jren-Chit Chin, Nageswara S. V. Rao, David K. Y. Yau, Mallikarjun Shankar, Yong Yang, Jennifer C. Hou, Srinivasagopalan Srivathsan, and Sitharama Iyengar. Identification of low-level point radioactive sources using a sensor network. *ACM Transactions on Sensor Networks*, 7(3):21:1–21:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Chin:2010:ILL**
- [CS18] Se-Hang Cheong and Yain-Whar Si. Boundary node detection and unfolding of complex non-convex ad hoc networks. *ACM Transactions on Sensor Networks*, 14(1):1:1–1:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [CSA06] **Chakrabarti:2006:CPO**  
 Arnab Chakrabarti, Ashutosh Sabharwal, and Behnaam Aazhang. Communication power optimization in a sensor network with a path-constrained mobile observer. *ACM Transactions on Sensor Networks*, 2(3):297–324, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CT19] **Chen:2019:BLS**  
 Kongyang Chen and Guang Tan. BikeGPS: Localizing shared bikes in street canyons with low-level GPS cooperation. *ACM Transactions on Sensor Networks*, 15(4):45:1–45:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3343857](https://dl.acm.org/ft_gateway.cfm?id=3343857).
- [CTW<sup>+</sup>15] **Chen:2015:SSH**  
 Jinzhu Chen, Rui Tan, Yu Wang, Guoliang Xing, Xiaorui Wang, Xiaodong Wang, Bill Punch, and Dirk Colbry. A sensor system for high-fidelity temperature distribution forecasting in data centers. *ACM Transactions on Sensor Networks*, 11(2):30:1–30:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CUdVY13] **Cuevas:2013:SDS**  
 Ángel Cuevas, Manuel Uruena, Gustavo de Veciana, and Aditya Yadav. STARR-DCS: Spatio-temporal adaptation of random replication for data-centric storage. *ACM Transactions on Sensor Networks*, 10(1):14:1–14:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CVY09] **Cheng:2009:DAN**  
 Bing Hwa Cheng, Lieven Vandenberghe, and Kung Yao. Distributed algorithm for node localization in wireless ad-hoc networks. *ACM Transactions on Sensor Networks*, 6(1):8:1–8:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [CWS<sup>+</sup>22] **Cai:2022:WTR**  
 Haofan Cai, Ge Wang, Xiaofeng Shi, Junjie Xie, Minmei Wang, Chen Qian, and Shigang Chen. When tags ‘read’ each other: Enabling low-cost and convenient tag mutual identification. *ACM Transactions on Sensor Networks*, 18(2):22:1–22:22, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://doi.org/10.1145/3494541>.
- [CWY<sup>+</sup>15] **Chen:2015:RMR**  
 Li Chen, Jeremy Warner, Pak Lam Yung, Dawei Zhou, Wendi Heinzelman, Ilker Demirkol, Ufuk Muncuk, Kaushik Chowdhury, and Stefano Basagni. REACH 2-Mote: a range-extending passive wake-up wireless sensor node. *ACM Transactions on Sensor Networks*, 11(4):64:1–64:??, December 2015.

- CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Dong:2015:ORC**
- [DCBL15] Wei Dong, Chun Chen, Jiajun Bu, and Wen Liu. Optimizing relocatable code for efficient software update in networked embedded systems. *ACM Transactions on Sensor Networks*, 11(2):22:1–22:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Dong:2015:ORC**
- [CYS+10] Bogdan Carbutar, Yang Yu, Weidong Shi, Michael Pearce, and Venu Vasudevan. Query privacy in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(2):14:1–14:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Carbutar:2010:QPW**
- [DABNR10] Jing Dong, Kurt E. Ackermann, Brett Bavar, and Cristina Nita-Rotaru. Secure and robust virtual coordinate system in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(4):29:1–29:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Dong:2010:SRV**
- [DBOD<sup>+</sup>16] Messaoud Doudou, Jose M. Barcelo-Ordinas, Djamel Djennouri, Jorge Garcia-Vidal, Abdelmadjid Bouabdallah, and Nadjib Badache. Game theory framework for MAC parameter optimization in energy-delay constrained sensor networks. *ACM Transactions on Sensor Networks*, 12(2):10:1–10:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Doudou:2016:GTF**
- [DD09] Isabel Dietrich and Falko Dressler. On the lifetime of wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(1):5:1–5:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Dietrich:2009:LWS**
- [DD11] Ethan W. Derezynski and Thomas G. Dietterich. Spatiotemporal models for data-anomaly detection in dynamic environmental monitoring campaigns. *ACM Transactions on Sensor Networks*, 8(1):3:1–3:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Derezynski:2011:SMD**
- [DDA11] Mario Di Francesco, Sajal K. Das, and Giuseppe Anastasi. Data collection in wireless sensor networks with mobile elements: a survey. *ACM Transactions on Sensor Networks*, 8(1):7:1–7:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **DiFrancesco:2011:DCW**

**Dutta:2012:MVE**

- [DDHC<sup>+</sup>12] Prabal Dutta, Stephen Dawson-Haggerty, Yin Chen, Chieh-Jan Mike Liang, and Andreas Terzis. A-MAC: a versatile and efficient receiver-initiated link layer for low-power wireless. *ACM Transactions on Sensor Networks*, 8(4):30:1–30:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Dyo:2012:WDD**

- [DEM<sup>+</sup>12] Vladimir Dyo, Stephen A. Ellwood, David W. Macdonald, Andrew Markham, Niki Trigoni, Ricklef Wohlers, Cecilia Mascolo, Bence Pásztor, Salvatore Scellato, and Kharsim Yousef. WILDSENSING: Design and deployment of a sustainable sensor network for wildlife monitoring. *ACM Transactions on Sensor Networks*, 8(4):29:1–29:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Deng:2009:MDF**

- [Den09] Jing Deng. Multihop/Direct Forwarding (MDF) for static wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(4):35:1–35:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Dong:2016:THR**

- [DGS16] Jie Dong, Yu Ge, and David B. Smith. Two-hop relay-assisted

cooperative communication in wireless body area networks: an empirical study. *ACM Transactions on Sensor Networks*, 12(4):32:1–32:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Donmez:2014:APC**

- [DIE14] Mehmet Yunus Donmez, Sinan Isik, and Cem Ersoy. Analysis of a prioritized contention model for multimedia wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(2):36:1–36:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Djidjev:2010:AAC**

- [Dji10] Hristo N. Djidjev. Approximation algorithms for computing minimum exposure paths in a sensor field. *ACM Transactions on Sensor Networks*, 7(3):23:1–23:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**De:2009:DAM**

- [DLD09] Pradip De, Yonghe Liu, and Sajal K. Das. Deployment-aware modeling of node compromise spread in wireless sensor networks using epidemic theory. *ACM Transactions on Sensor Networks*, 5(3):23:1–23:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).



- Dong:2021:THS**
- [DLG<sup>+</sup>21] Wei Dong, Borui Li, Gaoyang Guan, Zhihao Cheng, Jiadong Zhang, and Yi Gao. TinyLink: a holistic system for rapid development of IoT applications. *ACM Transactions on Sensor Networks*, 17(1):2:1–2:29, January 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3412366>.
- deLeo:2014:MVS**
- [dLM14] Carter de Leo and B. S. Manjunath. Multicamera video summarization and anomaly detection from activity motifs. *ACM Transactions on Sensor Networks*, 10(2):27:1–27:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dressler:2016:MBW**
- [DML<sup>+</sup>16] Falko Dressler, Margit Mutschlechner, Bijun Li, Rüdiger Kapitza, Simon Ripperger, Christopher Eibel, Benedict Herzog, Timo Hönig, and Wolfgang Schröder-Preikschat. Monitoring bats in the wild: On using erasure codes for energy-efficient wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1):7:1–7:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Demetri:2019:LLA**
- [DPB19] Silvia Demetri, Gian Pietro Picco, and Lorenzo Bruzzone. LaPS: LiDAR-assisted placement of wireless sensor networks in forests. *ACM Transactions on Sensor Networks*, 15(2):17:1–17:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3293500](https://dl.acm.org/ft_gateway.cfm?id=3293500).
- Devarajan:2006:DMC**
- [DRC06] Dhanya Devarajan, Richard J. Radke, and Haeyong Chung. Distributed metric calibration of ad hoc camera networks. *ACM Transactions on Sensor Networks*, 2(3):380–403, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dezfouli:2017:RRT**
- [DRC17] Behnam Dezfouli, Marjan Radi, and Octav Chipara. REWIMO: a real-time and reliable low-power wireless mobile network. *ACM Transactions on Sensor Networks*, 13(3):17:1–17:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Dezfouli:2014:CEM**
- [DRW<sup>+</sup>14] Behnam Dezfouli, Marjan Radi, Kamin Whitehouse, Shukor Abd Razak, and Hwee-Pink Tan. CAMA: Efficient modeling of the capture effect for low-power wireless networks. *ACM Transactions on Sensor Networks*, 11(1):20:1–20:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Dimri:2020:BUB**

- [DSA+20] Anuj Dimri, Harsimran Singh, Naveen Aggarwal, Bhaskaran Raman, K. K. Ramakrishnan, and Divya Bansal. BaroSense: Using barometer for road traffic congestion detection and path estimation with crowdsourcing. *ACM Transactions on Sensor Networks*, 16(1):4:1–4:24, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3364697>.

**Dong:2016:SOC**

- [DSH16] Jie Dong, David B. Smith, and Leif W. Hanlen. Socially optimal coexistence of wireless body area networks enabled by a non-cooperative game. *ACM Transactions on Sensor Networks*, 12(4):26:1–26:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Deligiannis:2014:PRW**

- [DVS+14] Nikos Deligiannis, Frederik Verbist, Jürgen Slowack, Rik van de Walle, Peter Schelkens, and Adrian Munteanu. Progressively refined Wyner–Ziv video coding for visual sensors. *ACM Transactions on Sensor Networks*, 10(2):21:1–21:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Dong:2021:ESC**

- [DXC+21] Liang Dong, Jingao Xu, Guoxuan Chi, Danyang Li, Xinglin

Zhang, Jianbo Li, Qiang Ma, and Zheng Yang. Enabling surveillance cameras to navigate. *ACM Transactions on Sensor Networks*, 17(4):35:1–35:20, November 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3446633>.

**Du:2015:SPM**

- [DXL+15] Wan Du, Zikun Xing, Mo Li, Bingsheng He, Lloyd Hock Chye Chua, and Haiyan Miao. Sensor placement and measurement of wind for water quality studies in urban reservoirs. *ACM Transactions on Sensor Networks*, 11(3):41:1–41:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ebrahimi:2015:NCA**

- [EA15] Dariush Ebrahimi and Chadi Assi. Network coding-aware compressive data gathering for energy-efficient wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(4):61:1–61:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Erickson:2014:OMP**

- [ECPC14] Varick L. Erickson, Miguel Á. Carreira-Perpiñán, and Alberto E. Cerpa. Occupancy modeling and prediction for building energy management. *ACM Transactions on Sensor Networks*, 10(3):42:1–42:??, April 2014. CODEN ???? ISSN

- 1550-4859 (print), 1550-4867 (electronic).
- [EFI<sup>+</sup>10] Alon Efrat, David Forrester, Anand Iyer, Stephen G. Kobourov, Cesim Erten, and Ozan Kilic. Force-directed approaches to sensor localization. *ACM Transactions on Sensor Networks*, 7(3):27:1–27:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EGG13] Ali O. Ercan, Abbas El Gamal, and Leonidas J. Guibas. Object tracking in the presence of occlusions using multiple cameras: a sensor network approach. *ACM Transactions on Sensor Networks*, 9(2):16:1–16:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ELR08] Pavan Edara, Ashwin Limaye, and Krithi Ramamritham. Asynchronous in-network prediction: Efficient aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 4(4):25:1–25:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ELYR14] Lukas Esterle, Peter R. Lewis, Xin Yao, and Bernhard Rinner. Socio-economic vision graph generation and handover in distributed smart camera networks.
- [EMBP12] Sharanya Eswaran, Archan Misra, Flavio Bergamaschi, and Thomas La Porta. Utility-based bandwidth adaptation in mission-oriented wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):17:1–17:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EML<sup>+</sup>09] Shane B. Eisenman, Emiliano Miluzzo, Nicholas D. Lane, Ronald A. Peterson, Gahng-Seop Ahn, and Andrew T. Campbell. BikeNet: a mobile sensing system for cyclist experience mapping. *ACM Transactions on Sensor Networks*, 6(1):6:1–6:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ENPNF13] Ali Eslami, Mohammad Nekoui, Hossein Pishro-Nik, and Faramarz Fekri. Results on finite wireless sensor networks: Connectivity and coverage. *ACM Transactions on Sensor Networks*, 9(4):51:1–51:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [ES12] **Erdem:2012:EPH**  
 Uğur Murat Erdem and Stan Sclaroff. Event prediction in a hybrid camera network. *ACM Transactions on Sensor Networks*, 8(2):16:1–16:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [EY14] **Emokpae:2014:SRB**  
 Lloyd Emokpae and Mohamed Younis. Surface-reflection-based communication and localization in underwater sensor networks. *ACM Transactions on Sensor Networks*, 10(3):50:1–50:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FBAG20] **Fraternali:2020:AAc**  
 Francesco Fraternali, Bharathan Balaji, Yuvraj Agarwal, and Rajesh K. Gupta. ACES: Automatic configuration of energy harvesting sensors with reinforcement learning. *ACM Transactions on Sensor Networks*, 16(4):36:1–36:31, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3404191>.
- [FC18] **Fierro:2018:DAQ**  
 Gabe Fierro and David E. Culler. Design and analysis of a query processor for Brick. *ACM Transactions on Sensor Networks*, 14(3–4):18:1–18:??, December 2018. CODEN ????
- [FKMS06] **Funke:2006:SID**  
 Stefan Funke, Alexander Kesselman, Ulrich Meyer, and Michael Segal. A simple improved distributed algorithm for minimum CDS in unit disk graphs. *ACM Transactions on Sensor Networks*, 2(3):444–453, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FLFW13] **Fu:2013:TBE**  
 Huai-Lei Fu, Phone Lin, Yuguang Fang, and Ting-Yu Wang. Trade-off between energy efficiency and report validity for mobile sensor networks. *ACM Transactions on Sensor Networks*, 9(4):49:1–49:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FLJ+13] **Feng:2013:EED**  
 Jing Feng, Yung-Hsiang Lu, Byunghoo Jung, Dimitrios Peroulis, and Y. Charlie Hu. Energy-efficient data dissemination using beamforming in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):31:1–31:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FLS+14] **Fan:2014:BCS**  
 Haosheng Fan, Minming Li, Xi-anwei Sun, Peng-Jun Wan, and
- ISSN 1550-4859 (print), 1550-4867 (electronic).

- Yingchao Zhao. Barrier coverage by sensors with adjustable ranges. *ACM Transactions on Sensor Networks*, 11(1):14:1–14:??, August 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FM15] Carolina Fortuna and Mihael Mohorcic. A framework for dynamic composition of communication services. *ACM Transactions on Sensor Networks*, 11(2):32:1–32:??, February 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FPA<sup>+</sup>20] Gabe Fierro, Marco Pritoni, Moustafa Abdelbaky, Daniel Lengyel, John Leyden, Anand Prakash, Pranav Gupta, Paul Raftery, Therese Pepper, Greg Thomson, and David E. Culler. Mortar: an open testbed for portable building analytics. *ACM Transactions on Sensor Networks*, 16(1):7:1–7:31, February 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3366375>.
- [FS13] Domenic Forte and Ankur Srivastava. Thermal-aware sensor scheduling for distributed estimation. *ACM Transactions on Sensor Networks*, 9(4):53:1–53:??, July 2013. CODEN ?????
- [FSSR15] Dan Feldman, Cynthia Sung, Andrew Sugaya, and Daniela Rus. iDiary: From GPS signals to a text-searchable diary. *ACM Transactions on Sensor Networks*, 11(4):60:1–60:??, December 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [FT06] Christina Fragouli and Tarik Tabet. On conditions for constant throughput in wireless networks. *ACM Transactions on Sensor Networks*, 2(3):359–379, August 2006. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GAJ<sup>+</sup>06] David H. Goldberg, Andreas G. Andreou, Pedro Julián, Philippe O. Pouliquen, Laurence Riddle, and Rich Rosasco. VLSI implementation of an energy-aware wake-up detector for an acoustic surveillance sensor network. *ACM Transactions on Sensor Networks*, 2(4):594–611, November 2006. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GBS08] Saurabh Ganeriwal, Laura K. Balzano, and Mani B. Srivastava. Reputation-based framework for high integrity sensor

**Feldman:2015:IGS****Fortuna:2015:FDC****Fragouli:2006:CCT****Fierro:2020:MOT****Goldberg:2006:VIE****Forte:2013:TAS****Ganeriwal:2008:RBF**

- networks. *ACM Transactions on Sensor Networks*, 4(3):15:1–15:??, May 2008. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [GDM22]
- [GCAK17] Avishek Ghosh, Arpan Chattopadhyay, Anish Arora, and Anurag Kumar. Measurement based as-you-go deployment of two-connected wireless relay networks. *ACM Transactions on Sensor Networks*, 13(3):23:1–23:??, September 2017. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [Gel07]
- [GCBL06] Deepak Ganesan, Razvan Cristescu, and Baltasar Beferull-Lozano. Power-efficient sensor placement and transmission structure for data gathering under distortion constraints. *ACM Transactions on Sensor Networks*, 2(2):155–181, May 2006. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [GFJ+13]
- [GCRB12] Vijay Gabale, Kameswari Chebrolu, Bhaskaran Raman, and Sagar Bijwe. PIP: a multichannel, TDMA-based MAC for efficient and scalable bulk transfer in sensor networks. *ACM Transactions on Sensor Networks*, 8(4):28:1–28:??, September 2012. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). [GHZ+22]
- [Ghosh:2017:MBY] Avishek Ghosh, Arpan Chattopadhyay, Anish Arora, and Anurag Kumar. Measurement based as-you-go deployment of two-connected wireless relay networks. *ACM Transactions on Sensor Networks*, 13(3):23:1–23:??, September 2017. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3480462>.
- [Giarretta:2022:SCF] Alberto Giarretta, Nicola Dragoni, and Fabio Massacci. S×C4IoT: a security-by-contract framework for dynamic evolving IoT devices. *ACM Transactions on Sensor Networks*, 18(1):12:1–12:51, February 2022. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3480462>.
- [Gelenbe:2007:DMP] Erol Gelenbe. A diffusion model for packet travel time in a random multihop medium. *ACM Transactions on Sensor Networks*, 3(2):10:1–10:??, June 2007. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Gnawali:2013:CER] Omprakash Gnawali, Rodrigo Fonseca, Kyle Jamieson, Maria Kazandjieva, David Moss, and Philip Levis. CTP: an efficient, robust, and reliable collection tree protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):16:1–16:??, November 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Guo:2022:TEC] Xiuzhen Guo, Yuan He, Jia Zhang, Haotian Jiang, Zihao Yu, and Xin Na. Taming the errors in cross-technology communication: a probabilis-

- tic approach. *ACM Transactions on Sensor Networks*, 18(1):3:1–3:20, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3469031>.
- [GJNC<sup>+</sup>14] Sebastian Gruenwedel, Vedran Jelaca, Jorge Oswaldo Nino-Castaneda, Peter van Hese, Dimitri van Cauwelaert, Dirk van Haerenborgh, Peter Vee-laert, and Wilfried Philips. Low-complexity scalable distributed multicamera tracking of humans. *ACM Transactions on Sensor Networks*, 10(2):24:1–24:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GJT<sup>+</sup>22] Chaojie Gu, Linshan Jiang, Rui Tan, Mo Li, and Jun Huang. Attack-aware synchronization-free data timestamping in LoRaWAN. *ACM Transactions on Sensor Networks*, 18(1):10:1–10:31, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3474368>.
- [GKRW17] Erin Griffiths, Avinash Kalyanaraman, Juhi Ranjan, and Kamin Whitehouse. An empirical design space analysis of doorway tracking systems for real-world environments. *ACM Transactions on Sensor Networks*, 13(4):26:1–26:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GLQ<sup>+</sup>22] Pradipta Ghosh, Xiaochen Liu, Hang Qiu, Marcos A. M. Vieira, Gaurav S. Sukhatme, and Ramesh Govindan. Sensing the sensor: Estimating camera properties with minimal information. *ACM Transactions on Sensor Networks*, 18(2):28:1–28:26, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3508393>.
- [GLS<sup>+</sup>14] Euhanna Ghadimi, Olaf Landsiedel, Pablo Soldati, Simon Duquennoy, and Mikael Johansson. Opportunistic routing in low duty-cycle wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(4):67:1–67:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GM14] Alireza Ghaffarkhah and Yasamin Mostofi. Dynamic networked coverage of time-varying environments in the presence of fading communication channels. *ACM Transactions on Sensor Networks*, 10(3):45:1–45:??, April 2014. CODEN ????.

Ghosh:2022:SSE

Gruenwedel:2014:LCS

Gu:2022:AAS

Griffiths:2017:EDS

Ghadimi:2014:ORL

Ghaffarkhah:2014:DNC

- ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GSL10] **Gupta:2008:EGC**  
Himanshu Gupta, Vishnu Navda, Samir Das, and Vishal Chowdhary. Efficient gathering of correlated data in sensor networks. *ACM Transactions on Sensor Networks*, 4(1):4:1–4:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GND08] **Guha:2012:ALT**  
Santanu Guha, Kurt Plarre, Daniel Lissner, Somnath Mitra, Bhagavathy Krishna, Prabal Dutta, and Santosh Kumar. AutoWitness: Locating and tracking stolen property while tolerating GPS and radio outages. *ACM Transactions on Sensor Networks*, 8(4):31:1–31:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GPL+12] **Girod:2007:ESE**  
Lewis Girod, Nithya Ramanathan, Jeremy Elson, Thanos Stathopoulos, Martin Lukac, and Deborah Estrin. Emstar: a software environment for developing and deploying heterogeneous sensor-actuator networks. *ACM Transactions on Sensor Networks*, 3(3):13:1–13:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GYN16] **Gao:2010:CLC**  
Jie Gao, Radu Sion, and Sol Lederer. Collaborative location certification for sensor networks. *ACM Transactions on Sensor Networks*, 6(4):30:1–30:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GSW09] **Gandhi:2009:CEM**  
Sorabh Gandhi, Subhash Suri, and Emo Welzl. Catching elephants with mice: Sparse sampling for monitoring sensor networks. *ACM Transactions on Sensor Networks*, 6(1):1:1–1:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [GTL19] **Gu:2019:OHB**  
Chaojie Gu, Rui Tan, and Xin Lou. One-hop out-of-band control planes for multi-hop wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(4):40:1–40:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3342100](https://dl.acm.org/ft_gateway.cfm?id=3342100).
- [GYNY16] **Gao:2016:NSS**  
Mingjie Gao, Ka-Fai Cedric Yiu, Sven Nordholm, and Yinyu Ye. On a new SDP-SOCP method for acoustic source localization problem. *ACM Transactions on Sensor Networks*, 12(4):36:1–36:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).



- [GZZ<sup>+</sup>14] **Guo:2014:DFN**  
 Shuo Guo, Heng Zhang, Ziguo Zhong, Jiming Chen, Qing Cao, and Tian He. Detecting faulty nodes with data errors for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):40:1–40:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Hau14] **Hauer:2014:LHM**  
 Jan-Hinrich Hauer. Leveraging human mobility for communication in body area networks. *ACM Transactions on Sensor Networks*, 10(3):39:1–39:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HBC<sup>+</sup>09] **Hu:2009:DEH**  
 Wen Hu, Nirupama Bulusu, Chun Tung Chou, Sanjay Jha, Andrew Taylor, and Van Nghia Tran. Design and evaluation of a hybrid sensor network for cane toad monitoring. *ACM Transactions on Sensor Networks*, 5(1):4:1–4:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HBKP14] **Hariharan:2014:ESF**  
 Srikanth Hariharan, Chatschik Bisdikian, Lance M. Kaplan, and Tien Pham. Efficient solutions framework for optimal multitask resource assignments for data fusion in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):48:1–48:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HBLR05] **Huang:2005:FFA**  
 Qingfeng Huang, Sangeeta Bhattacharya, Chenyang Lu, and Gruia-Catalin Roman. FAR: Face-Aware Routing for multicast in large-scale sensor networks. *ACM Transactions on Sensor Networks*, 1(2):240–271, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HBW<sup>+</sup>18] **Hu:2018:SIC**  
 Chuang Hu, Wei Bao, Dan Wang, Yi Qian, Muqiao Zheng, and Shi Wang. sTube+: an IoT communication sharing architecture for smart after-sales maintenance in buildings. *ACM Transactions on Sensor Networks*, 14(3–4):29:1–29:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HCL15] **Hsieh:2015:EBC**  
 Hung-Yun Hsieh, Chih-Hua Chang, and Wei-Chih Liao. Not every bit counts: Data-centric resource allocation for correlated data gathering in machine-to-machine wireless networks. *ACM Transactions on Sensor Networks*, 11(2):38:1–38:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Huang:2009:SSF**
- [HCXT09] Pei Huang, Hongyang Chen, Guoliang Xing, and Yongdong Tan. SGF: a state-free gradient-based forwarding protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(2):14:1–14:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Han:2017:TTA**
- [HF17] Yu Han and Yunsi Fei. TARS: a traffic-adaptive receiver-synchronized MAC protocol for underwater sensor networks. *ACM Transactions on Sensor Networks*, 13(4):27:1–27:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- He:2019:EBS**
- [HKG<sup>+</sup>19] Liang He, Linghe Kong, Yu Gu, Cong Liu, Tian He, and Kang G. Shin. Extending battery system operation via adaptive re-configuration. *ACM Transactions on Sensor Networks*, 15(1):11:1–11:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3284556](https://dl.acm.org/ft_gateway.cfm?id=3284556).
- He:2006:VIS**
- [HKL<sup>+</sup>06] Tian He, Sudha Krishnamurthy, Liqian Luo, Ting Yan, Lin Gu, Radu Stoleru, Gang Zhou, Qing Cao, Pascal Vicaire, John A. Stankovic, Tarek F. Abdelzaher, Jonathan Hui, and Bruce
- He:2017:ISA**
- [HL17] Bin He and Gang Li. Intelligent self-adaptation data behavior control inspired by speech acts. *ACM Transactions on Sensor Networks*, 13(2):13:1–13:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- He:2011:PPP**
- [HLN<sup>+</sup>11] Wenbo He, Xue Liu, Hoang Viet Nguyen, Klara Nahrstedt, and Tarek Abdelzaher. PDA: Privacy-preserving data aggregation for information collection. *ACM Transactions on Sensor Networks*, 8(1):6:1–6:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Huang:2006:DEC**
- [HLTC06] Chi-Fu Huang, Li-Chu Lo, Yu-Chee Tseng, and Wen-Tsuen Chen. Decentralized energy-conserving and coverage-preserving protocols for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(2):182–187, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Krogh:2006:VIG**
- [Kro06] Krogh. VigilNet: an integrated sensor network system for energy-efficient surveillance. *ACM Transactions on Sensor Networks*, 2(1):1–38, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [HM07a] **Hoang:2007:CBC**  
 Anh Tuan Hoang and Mehul Motani. Collaborative broadcasting and compression in cluster-based wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(3):17:1–17:??, August 2007. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HM07b] **Huang:2007:SPK**  
 Dijiang Huang and Deep Medhi. Secure pairwise key establishment in large-scale sensor networks: an area partitioning and multigroup key predistribution approach. *ACM Transactions on Sensor Networks*, 3(3):16:1–16:??, August 2007. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HMLJ17] **Harb:2017:DBD**  
 Hassan Harb, Abdallah Makhoul, David Laiymani, and Ali Jaber. A distance-based data aggregation technique for periodic sensor networks. *ACM Transactions on Sensor Networks*, 13(4):32:1–32:??, December 2017. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HPS<sup>+</sup>18] **Han:2018:SHO**  
 Jun Han, Shijia Pan, Manal Kumar Sinha, Hae Young Noh, Pei Zhang, and Patrick Tague. Smart home occupant identification via sensor fusion across on-object devices. *ACM Transactions on Sensor Networks*, 14(3–4):23:1–23:??, December 2018. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HR13] **Huang:2013:CEA**  
 Xiaolong Huang and Izhak Rubin. Capacity- and energy-aware activation of sensor nodes for area phenomenon reproduction using wireless network transport. *ACM Transactions on Sensor Networks*, 9(4):52:1–52:??, July 2013. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HSD16] **Hossain:2016:NDM**  
 A. K. M. Mahtab Hossain, Cormac J. Sreenan, and Rodolfo De Paz Alberola. Neighbour-disjoint multipath for low-power and lossy networks. *ACM Transactions on Sensor Networks*, 12(3):23:1–23:??, August 2016. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HSGW21] **Hare:2021:PRP**  
 James Z. Hare, Junnan Song, Shalabh Gupta, and Thomas A. Wettergren. POSE.R: Prediction-based opportunistic sensing for resilient and efficient sensor networks. *ACM Transactions on Sensor Networks*, 17(1):5:1–5:41, January 2021. CODEN ????, ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3419755>.
- [HSL<sup>+</sup>15] **Hu:2015:SSB**  
 Shaohan Hu, Lu Su, Hengchang Liu, Hongyan Wang, and

- Tarek F. Abdelzaher. SmartRoad: Smartphone-based crowd sensing for traffic regulator detection and identification. *ACM Transactions on Sensor Networks*, 11(4):55:1–55:??, December 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HSS17] Josiah Hester, Lanny Sitanayah, Timothy Scott, and Jacob Sorber. Realistic and repeatable emulation of energy harvesting environments. *ACM Transactions on Sensor Networks*, 13(2):16:1–16:??, June 2017. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HTC<sup>+</sup>10] Wen Hu, Hailun Tan, Peter Corke, Wen Chan Shih, and Sanjay Jha. Toward trusted wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(1):5:1–5:??, August 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HTW07] Chi-Fu Huang, Yu-Chee Tseng, and Hsiao-Lu Wu. Distributed protocols for ensuring both coverage and connectivity of a wireless sensor network. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HWS<sup>+</sup>20] Ziyao Huang, Weiwei Wu, Feng Shan, Yuxin Bian, Kejie Lu, Zhenjiang Li, Jianping Wang, and Jin Wang. CoUAS: Enable cooperation for unmanned aerial systems. *ACM Transactions on Sensor Networks*, 16(3):24:1–24:19, August 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3388323>.
- [HWT<sup>+</sup>11] Matthew Holland, Tianqi Wang, Bulent Tavli, Alireza Seyedi, and Wendi Heinzelman. Optimizing physical-layer parameters for wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(4):28:1–28:??, February 2011. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [HZGS05] Guanghui He, Rong Zheng, Indranil Gupta, and Lui Sha. A framework for time indexing in sensor networks. *ACM Transactions on Sensor Networks*, 1(1):
- Huang:2020:CEC**
- Hester:2017:RRE**
- Hu:2010:TTW**
- Huang:2007:DPE**
- Hua:2007:ARS**
- He:2005:FTI**

- 101–133, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ingelrest:2010:SAS**
- [IBS<sup>+</sup>10] François Ingelrest, Guillermo Barrenetxea, Gunnar Schaefer, Martin Vetterli, Olivier Couach, and Marc Parlange. SensorScope: Application-specific sensor network for environmental monitoring. *ACM Transactions on Sensor Networks*, 6(2):17:1–17:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Iwanicki:2015:BMU**
- [IHGS15] Konrad Iwanicki, Przemyslaw Horban, Piotr Glazar, and Karol Strzelecki. Bringing modern unit testing techniques to sensor-nets. *ACM Transactions on Sensor Networks*, 11(2):25:1–25:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Istomin:2020:RFR**
- [IIPK20] Timofei Istomin, Oana Iova, Gian Pietro Picco, and Csaba Kiraly. Route or flood? Reliable and efficient support for downward traffic in RPL. *ACM Transactions on Sensor Networks*, 16(1):1:1–1:41, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3355997>.
- Illiano:2018:DRG**
- [IPMGL18] Vittorio P. Illiano, Andrea Paudice, Luis Muñoz-González, and Emil C. Lupu. Determining resilience gains from anomaly detection for event integrity in wireless sensor networks. *ACM Transactions on Sensor Networks*, 14(1):5:1–5:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ilyas:2012:DPA**
- [IR12] Muhammad U. Ilyas and Hayder Radha. A dynamic programming approach to maximizing a statistical measure of the lifetime of sensor networks. *ACM Transactions on Sensor Networks*, 8(2):18:1–18:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Iwanicki:2012:CHR**
- [IV12] Konrad Iwanicki and Maarten Van Steen. A case for hierarchical routing in low-power wireless embedded networks. *ACM Transactions on Sensor Networks*, 8(3):25:1–25:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ilie:2014:OCA**
- [IW14] Adrian Ilie and Greg Welch. Online control of active camera networks for computer vision tasks. *ACM Transactions on Sensor Networks*, 10(2):25:1–25:??, January 2014. CODEN

???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jellali:2019:BDS**

- [JAC19] Zakia Jellali, Leïla Najjar Atallah, and Sofiane Cherif. Bi-dimensional signal compression based on linear prediction coding: Application to WSN. *ACM Transactions on Sensor Networks*, 15(3):29:1–29:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3317688](https://dl.acm.org/ft_gateway.cfm?id=3317688).

**Jeong:2012:PTM**

- [JC12] Jaein Jeong and David Culler. A practical theory of micro-solar power sensor networks. *ACM Transactions on Sensor Networks*, 9(1):9:1–9:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jurdak:2013:EEL**

- [JCC+13] Raja Jurdak, Peter Corke, Alban Cotillon, Dhinesh Dharman, Chris Crossman, and Guillaume Salagnac. Energy-efficient localization: GPS duty cycling with radio ranging. *ACM Transactions on Sensor Networks*, 9(2):23:1–23:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ji:2022:DFM**

- [JCZ+22] Xiaoyu Ji, Yushi Cheng, Juchuan Zhang, Yuehan Chi, Wenyan Xu, and Yi-Chao Chen. Device

fingerprinting with magnetic induction signals radiated by CPU modules. *ACM Transactions on Sensor Networks*, 18(2):23:1–23:28, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3495158>.

**Ji:2013:CBS**

- [JHU+13] Shouling Ji, Jing (Selena) He, A. Selcuk Uluagac, Raheem Beyah, and Yingshu Li. Cell-based snapshot and continuous data collection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4):47:1–47:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jafarizadeh:2015:ADL**

- [JJ15] Saber Jafarizadeh and Abbas Jamalipour. Adapting distributed LT codes to Y-networks: an abstraction of collection tree in sensor networks. *ACM Transactions on Sensor Networks*, 11(4):54:1–54:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jaggi:2008:NOA**

- [JKK08] Neeraj Jaggi, Koushik Kar, and Ananth Krishnamurthy. Near-optimal activation policies in rechargeable sensor networks under spatial correlations. *ACM Transactions on Sensor Networks*, 4(3):17:1–17:??, May 2008. CODEN ???? ISSN 1550-

4859 (print), 1550-4867 (electronic).

**Jurcik:2010:DWC**

- [JKS<sup>+</sup>10] Petr Jurcik, Anis Koubâa, Ricardo Severino, Mário Alves, and Eduardo Tovar. Dimensioning and worst-case analysis of cluster-tree sensor networks. *ACM Transactions on Sensor Networks*, 7(2):14:1–14:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jiang:2013:PMW**

- [JLYG13] Xiaoye Jiang, Mo Li, Yuan Yao, and Leonidas Guibas. Property management in wireless sensor networks with overcomplete radon bases. *ACM Transactions on Sensor Networks*, 9(3):36:1–36:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jiang:2019:MED**

- [JLZL19] Shiqi Jiang, Zhenjiang Li, Pengfei Zhou, and Mo Li. Memento: an emotion-driven lifelogging system with wearables. *ACM Transactions on Sensor Networks*, 15(1):8:1–8:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3281630](https://dl.acm.org/ft_gateway.cfm?id=3281630).

**Jhumka:2016:NVC**

- [JM16] Arshad Jhumka and Luca Motola. Neighborhood view consistency in wireless sensor net-

works. *ACM Transactions on Sensor Networks*, 12(3):19:1–19:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jindal:2006:MSC**

- [JP06] Apoorva Jindal and Konstantinos Psounis. Modeling spatially correlated data in sensor networks. *ACM Transactions on Sensor Networks*, 2(4):466–499, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jourdan:2008:OSP**

- [JR08] Damien B. Jourdan and Nicholas Roy. Optimal sensor placement for agent localization. *ACM Transactions on Sensor Networks*, 4(3):13:1–13:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Jurdak:2009:DBO**

- [JROH09] Raja Jurdak, Antonio G. Ruzzelli, Gregory M. P. O’hare, and Russell Higgs. Directed broadcast with overhearing for sensor networks. *ACM Transactions on Sensor Networks*, 6(1):3:1–3:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Johnson:2012:MMB**

- [JSBN<sup>+</sup>12] Matthew P. Johnson, Deniz Sariöz, Amotz Bar-Noy, Theodore Brown, Dinesh Verma, and Chai W. Wu. More is more:

- The benefits of denser sensor deployment. *ACM Transactions on Sensor Networks*, 8(3):22:1–22:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [JZL<sup>+</sup>19]
- Jia:2019:ORC**
- Riheng Jia, Jinbei Zhang, Xiaoyang Liu, Peng Liu, Luoyi Fu, and Xinbing Wang. Optimal rate control for energy-harvesting systems with random data and energy arrivals. *ACM Transactions on Sensor Networks*, 15(1):13:1–13:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3293535](https://dl.acm.org/ft_gateway.cfm?id=3293535).
- Jiang:2020:RBN**
- [JTE20] Linshan Jiang, Rui Tan, and Arvind Easwaran. Resilience bounds of network clock synchronization with fault correction. *ACM Transactions on Sensor Networks*, 16(4):38:1–38:30, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://doi/10.1145/3409804>.
- Ji:2020:OOP**
- [JZX<sup>+</sup>20] Xiaoyu Ji, Xinyan Zhou, Miao Xu, Wenyuan Xu, and Yabo Dong. OPCIO: Optimizing power consumption for embedded devices via GPIO configuration. *ACM Transactions on Sensor Networks*, 16(2):16:1–16:28, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://doi/abs/10.1145/3373417>.
- Jung:2009:SNL**
- [JTS09] Deokwoo Jung, Thiago Teixeira, and Andreas Savvides. Sensor node lifetime analysis: Models and tools. *ACM Transactions on Sensor Networks*, 5(1):3:1–3:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Ju:2021:ESD**
- [JYB<sup>+</sup>21] Weiyu Ju, Dong Yuan, Wei Bao, Liming Ge, and Bing Bing Zhou. eDeepSave: Saving DNN inference using early exit during handovers in mobile edge environment. *ACM Transactions on Sensor Networks*, 17(3):30:1–30:28, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://doi/10.1145/3447267>.
- Kwon:2013:PES**
- [KA13] Youngmin Kwon and Gul Agha. Performance evaluation of sensor networks by statistical modeling and Euclidean model checking. *ACM Transactions on Sensor Networks*, 9(4):39:1–39:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Keller:2013:SNC**
- [KAAF13] Lorenzo Keller, Emre Atsan, Katerina Argyraki, and Christina



- Fragouli. SenseCode: Network coding for reliable sensor networks. *ACM Transactions on Sensor Networks*, 9(2):25:1–25:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KAH<sup>+</sup>10] Teresa Ko, Shaun Ahmadian, John Hicks, Mohammad Rahimi, Deborah Estrin, Stefano Soatto, Sharon Coe, and Michael P. Hamilton. Heartbeat of a nest: Using imagers as biological sensors. *ACM Transactions on Sensor Networks*, 6(3):19:1–19:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Kal10] Konstantinos Kalpakis. Everywhere sparse approximately optimal minimum energy data gathering and aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 7(1):9:1–9:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KAS<sup>+</sup>10] Branislav Kusý, Isaac Amundson, Janos Sallai, Peter Völgyesi, Akos Lédeczi, and Xenofon Koutsoukos. RF Doppler shift-based mobile sensor tracking and navigation. *ACM Transactions on Sensor Networks*, 7(1):1:1–1:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KASD09] Vinodkrishnan Kulathumani, Anish Arora, Mukundan Sridharan, and Murat Demirbas. Trail: a distance-sensitive sensor network service for distributed object tracking. *ACM Transactions on Sensor Networks*, 5(2):15:1–15:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KBD13] Abu Raihan M. Kamal, Chris Bleakley, and Simon Dobson. Packet-Level Attestation (PLA): a framework for in-network sensor data reliability. *ACM Transactions on Sensor Networks*, 9(2):19:1–19:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KBD14] Abu Raihan M. Kamal, Chris J. Bleakley, and Simon Dobson. Failure detection in wireless sensor networks: a sequence-based

**Ko:2010:HNU**

**Kusy:2010:RDS**

**Kalpakis:2010:ESA**

**Kulathumani:2009:TDS**

**Kamal:2013:PLA**

**Kusy:2014:RDR**

**Kamal:2014:FDW**

- dynamic approach. *ACM Transactions on Sensor Networks*, 10(2):35:1–35:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KBW16] Ulf Kulau, Felix Büsching, and Lars Wolf. IdealVolting: Reliable undervolting on wireless sensor nodes. *ACM Transactions on Sensor Networks*, 12(2):11:1–11:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KC14] Vibhav Kapnadak and Edward J. Coyle. Optimal nonuniform deployment of sensors for distributed detection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(2):29:1–29:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KCE<sup>+</sup>20] Areg Karapetyan, Sid Chik Kin Chau, Khaled Elbassioni, Syafiq Kamarul Azman, and Majid Khonji. Multisensor adaptive control system for IoT-empowered smart lighting with oblivious mobile sensors. *ACM Transactions on Sensor Networks*, 16(1):11:1–11:21, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3369392>.
- [KJPC13] Ankur Kamthe, Miguel Á Carreira-Perpiñán, and Alberto E. Cerpa. Improving wireless link simulation using multilevel Markov models. *ACM Transactions on Sensor Networks*, 10(1):17:1–17:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KGBS18] Nacer Khalil, Omprakash Gnawali, Driss Benhaddou, and Jaspal Subhlok. SonicDoor: a person identification system based on modeling of shape, behavior, and walking patterns. *ACM Transactions on Sensor Networks*, 14(3–4):27:1–27:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KGGK11] Andreas Krause, Carlos Guestrin, Anupam Gupta, and Jon Kleinberg. Robust sensor placements at informative and communication-efficient locations. *ACM Transactions on Sensor Networks*, 7(4):31:1–31:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KJP<sup>+</sup>15] Jeonggil Ko, Jongsoo Jeong, Jongjun Park, Jong Arm Jun, Omprakash Gnawali, and Jeongyeup Paek. DualMOP-RPL: Supporting multiple modes

of downward routing in a single RPL network. *ACM Transactions on Sensor Networks*, 11(2):39:1–39:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Knox:2015:WFI**

[KK15] D. A. Knox and T. Kunz. Wireless fingerprints inside a wireless sensor network. *ACM Transactions on Sensor Networks*, 11(2):37:1–37:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Karenos:2008:CBC**

[KKK08] Kyriakos Karenos, Vana Kalogeraki, and Srikanth V. Krishnamurthy. Cluster-based congestion control for sensor networks. *ACM Transactions on Sensor Networks*, 4(1):5:1–5:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Kansal:2007:RMM**

[KKP<sup>+</sup>07] Aman Kansal, William Kaiser, Gregory Pottie, Mani Srivastava, and Gaurav Sukhatme. Reconfiguration methods for mobile sensor networks. *ACM Transactions on Sensor Networks*, 3(4):22:1–22:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Kuppannagari:2018:ODN**

[KKP18] Sanmukh R. Kuppannagari, Rajgopal Kannan, and Viktor K. Prasanna. Optimal discrete network load balancing in smart grids

with high PV penetration. *ACM Transactions on Sensor Networks*, 14(3–4):24:1–24:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Klonowski:2015:MRD**

[KKRR15] Marek Klonowski, Mirosław Kutylowski, Michał Ren, and Katarzyna Rybarczyk. Mixing in random digraphs with application to the forward-secure key evolution in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):29:1–29:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Khan:2014:TIC**

[KLA<sup>+</sup>14] Mohammad Maifi Hasan Khan, Hieu Khac Le, Hossein Ahmadi, Tarek F. Abdelzaher, and Jiawei Han. Troubleshooting interactive complexity bugs in wireless sensor networks using data mining techniques. *ACM Transactions on Sensor Networks*, 10(2):31:1–31:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ko:2013:GSC**

[KLC13] Ren-Song Ko, Po-Liang Lin, and Pei-Yu Chiang. Gauss-Seidel correction algorithm: a macroscopic model-derived routing algorithm for WSNs. *ACM Transactions on Sensor Networks*, 10(1):9:1–9:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Kim:2016:REE**
- [KLC<sup>+</sup>16] Hyung-Sin Kim, Myung-Sup Lee, Young-June Choi, Jeonggil Ko, and Saewoong Bahk. Reliable and energy-efficient downward packet delivery in asymmetric transmission power-based networks. *ACM Transactions on Sensor Networks*, 12(4):34:1–34:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kasirajan:2012:NDA**
- [KLJ12] Priya Kasirajan, Carl Larsen, and S. Jagannathan. A new data aggregation scheme via adaptive compression for wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(1):5:1–5:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kwon:2010:RLS**
- [KMS<sup>+</sup>10] Youngmin Kwon, Kirill Mechtov, Sameer Sundresh, Wooyoung Kim, and Gul Agha. Resilient localization for sensor networks in outdoor environments. *ACM Transactions on Sensor Networks*, 7(1):3:1–3:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kuo:2014:CWA**
- [KNSM14] Thomas Kuo, Zefeng Ni, Santhoshkumar Sunderrajan, and B. S. Manjunath. Calibrating a wide-area camera network with non-overlapping views using mobile devices. *ACM Transactions on Sensor Networks*, 10(2):26:1–26:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Kazmi:2014:RWS**
- [KOD<sup>+</sup>14] Aqeel H. Kazmi, Michael J. O’Grady, Declan T. Delaney, Antonio G. Ruzzelli, and Gregory M. P. O’Hare. A review of wireless-sensor-network-enabled building energy management systems. *ACM Transactions on Sensor Networks*, 10(4):66:1–66:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Koukoutsidis:2018:ESA**
- [Kou18] Ioannis Koukoutsidis. Estimating spatial averages of environmental parameters based on mobile crowdsensing. *ACM Transactions on Sensor Networks*, 14(1):2:1–2:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Krasniewski:2008:EED**
- [KPB<sup>+</sup>08] Mark D. Krasniewski, Rajesh Krishna Panta, Saurabh Bagchi, Chin-Lung Yang, and William J. Chappell. Energy-efficient on-demand reprogramming of large-scale sensor networks. *ACM Transactions on Sensor Networks*, 4(1):2:1–2:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [KPCB20] **Kim:2020:PRJ** Hyung-Sin Kim, Jeongyeup Paek, David E. Culler, and Saewoong Bahk. PC-RPL: Joint control of routing topology and transmission power in real low-power and lossy networks. *ACM Transactions on Sensor Networks*, 16(2):14:1–14:32, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372026>.
- [KPK12] **Karumbu:2012:DOE** Premkumar Karumbu, Venkata K. Prasanthi, and Anurag Kumar. Delay optimal event detection on ad hoc wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(2):12:1–12:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KPRH14] **Karvonen:2014:CLO** Heikki Karvonen, Carlos Pomalaza-Ráez, and Matti Hämäläinen. A cross-layer optimization approach for lower layers of the protocol stack in sensor networks. *ACM Transactions on Sensor Networks*, 11(1):16:1–16:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KPS12] **Kim:2012:LSV** Younghun Kim, Heemin Park, and Mani B. Srivastava. A longitudinal study of vibration-based water flow sensing. *ACM Transactions on Sensor Networks*, 9(1):8:1–8:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KQ12] **Karakaya:2012:CEC** Mahmut Karakaya and Hairong Qi. Coverage estimation for crowded targets in visual sensor networks. *ACM Transactions on Sensor Networks*, 8(3):26:1–26:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KQ14] **Karakaya:2014:CLV** Mahmut Karakaya and Hairong Qi. Collaborative localization in visual sensor networks. *ACM Transactions on Sensor Networks*, 10(2):18:1–18:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KR18] **King:2018:DCC** Alex King and Utz Roedig. Differentiating clear channel assessment using transmit power variation. *ACM Transactions on Sensor Networks*, 14(2):15:1–15:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KRJ09] **Kho:2009:DCA** Johnsen Kho, Alex Rogers, and Nicholas R. Jennings. Decentralized control of adaptive sampling in wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(3):19:1–19:??, May 2009.

2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KT11]
- [KRP15] Dheeraj Kumar, Sutharshan Rajasegarar, and Marimuthu Palaniswami. Geospatial estimation-based auto drift correction in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):50:1–50:??, May 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KVI+13]
- [KSMH13] Daichi Kominami, Masashi Sugano, Masayuki Murata, and Takaaki Hatauchi. Controlled and self-organized routing for large-scale wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):13:1–13:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [KW09]
- [KSR+20] Manpreet Kaur, Flora D. Salim, Yongli Ren, Jeffrey Chan, Martin Tomko, and Mark Sanderson. Joint modelling of cyber activities and physical context to improve prediction of visitor behaviors. *ACM Transactions on Sensor Networks*, 16(3):28:1–28:25, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3393692>.
- [Keeler:2011:MFG] Holger P. Keeler and Peter G. Taylor. A model framework for greedy routing in a sensor network with a stochastic power scheme. *ACM Transactions on Sensor Networks*, 7(4):34:1–34:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Klein:2013:LSA] Daniel J. Klein, Sriram Venkateswaran, Jason T. Isaacs, Jerry Burman, Tien Pham, João Hespanha, and Upamanyu Madhow. Localization with sparse acoustic sensor network using UAVs as information-seeking data mules. *ACM Transactions on Sensor Networks*, 9(3):30:1–30:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Kulkarni:2009:EEM] Sandeep Kulkarni and Limin Wang. Energy-efficient multi-hop reprogramming for sensor networks. *ACM Transactions on Sensor Networks*, 5(2):16:1–16:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Kamat:2009:TPW] Pandurang Kamat, Wenyan Xu, Wade Trappe, and Yanyong Zhang. Temporal privacy in wireless sensor networks: Theory and practice. *ACM Transactions on Sensor Networks*, 5

- (4):28:1–28:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [KYM17] Sokratis Kartakis, Shusen Yang, and Julie A. Mccann. Reliability or sustainability: Optimal data stream estimation and scheduling in smart water networks. *ACM Transactions on Sensor Networks*, 13(3):18:1–18:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Lam15] Theofanis P. Lambrou. Optimized cooperative dynamic coverage in mixed sensor networks. *ACM Transactions on Sensor Networks*, 11(3):46:1–46:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LC14a] Tao Liu and Alberto E. Cerpa. Data-driven link quality prediction using link features. *ACM Transactions on Sensor Networks*, 10(2):37:1–37:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LC14b] Tao Liu and Alberto E. Cerpa. Temporal adaptive link quality prediction with online learning. *ACM Transactions on Sensor Networks*, 10(3):46:1–46:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCC10] Yibei Ling, Chung-Min Chen, and Shigang Chen. Analysis of power-aware buffering schemes in wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(3):26:1–26:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCC+13] Ted Tsung-Te Lai, Wei-Ju Chen, Yu-Han Tiffany Chen, Polly Huang, and Hao-Hau Chu. Mapping hidden water pipelines using a mobile sensor droplet. *ACM Transactions on Sensor Networks*, 9(2):20:1–20:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCC+17] Ji Li, Siyao Cheng, Zhipeng Cai, Jiguo Yu, Chaokun Wang, and Yingshu Li. Approximate holistic aggregation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 13(2):11:1–11:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LCH+09] Liqian Luo, Qing Cao, Chengdu Huang, Lili Wang, Tarek F. Abdelzaher, John A. Stankovic, and Michael Ward. Design, implementation, and evaluation of En-

**Kartakis:2017:RSO****Ling:2010:APA****Lambrou:2015:OCD****Lai:2013:MHW****Liu:2014:DDL****Li:2017:AHA****Liu:2014:TAL****Luo:2009:DIE**

viroMic: a storage-centric audio sensor network. *ACM Transactions on Sensor Networks*, 5(3): 22:1–22:??, May 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Leng:2019:NMM**

[LCH<sup>+</sup>19a] Quan Leng, Wei-Ju Chen, Pei-Chi Huang, Yi-Hung Wei, Aloysius K. Mok, and Song Han. Network management of multicluster RT-WiFi networks. *ACM Transactions on Sensor Networks*, 15(1):12:1–12:??, February 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3283451](https://dl.acm.org/ft_gateway.cfm?id=3283451).

**Liu:2019:ECO**

[LCH<sup>+</sup>19b] Daibo Liu, Zhichao Cao, Yuan He, Xiaoyu Ji, Mengshu Hou, and Hongbo Jiang. Exploiting concurrency for opportunistic forwarding in duty-cycled IoT networks. *ACM Transactions on Sensor Networks*, 15(3): 31:1–31:??, August 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3322496](https://dl.acm.org/ft_gateway.cfm?id=3322496).

**Liu:2020:PLT**

[LCH<sup>+</sup>20] Daibo Liu, Zhichao Cao, Mengshu Hou, Huigui Rong, and Hongbo Jiang. Pushing the limits of transmission concurrency for low power wireless networks. *ACM Transactions on Sensor Networks*, 16(4):40:1–

40:29, October 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3406834>.

**Liu:2022:ORP**

[LCLY22] Yu Liu, Joshua Comden, Zhenhua Liu, and Yuanyuan Yang. Online resource provisioning for wireless data collection. *ACM Transactions on Sensor Networks*, 18(1):7:1–7:27, February 2022. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3470648>.

**Liu:2021:SSD**

[LCM21] Liang Liu, Bo Chen, and Huadong Ma. SDCN: Sensory data-centric networking for building the sensing layer of IoT. *ACM Transactions on Sensor Networks*, 17(1):6:1–6:25, January 2021. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3402452>.

**Li:2019:RCF**

[LDC<sup>+</sup>19] Lanlan Li, Haipeng Dai, Guihai Chen, Jiaqi Zheng, Wanchun Dou, and Xiaobing Wu. Radiation constrained fair charging for wireless power transfer. *ACM Transactions on Sensor Networks*, 15(2):15:1–15:??, April 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3402452>.



- acm.org/ft\_gateway.cfm?id=3289182.
- [LDG<sup>+</sup>21] Borui Li, Wei Dong, Gaoyang Guan, Jiadong Zhang, Tao Gu, Jiajun Bu, and Yi Gao. Queec: QoE-aware edge computing for IoT devices under dynamic workloads. *ACM Transactions on Sensor Networks*, 17(3): 27:1–27:23, June 2021. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3442363>.
- [LDGG21] Yuxiang Lin, Wei Dong, Yi Gao, and Tao Gu. SateLoc: a virtual fingerprinting approach to outdoor LoRa localization using satellite images. *ACM Transactions on Sensor Networks*, 17(4):43:1–43:28, July 2021. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3461012>.
- [LDH06] Yee Wei Law, Jeroen Doumen, and Pieter Hartel. Survey and benchmark of block ciphers for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(1):65–93, February 2006. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LDZ13] Wei Li, Flávia C. Delicato, and Albert Y. Zomaya. Adaptive energy-efficient scheduling for hierarchical wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):33:1–33:??, May 2013. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LED20] Tim Van Der Lee, Georgios Exarchakos, and Sonia Heemstra De Groot. Distributed reliable and energy-efficient scheduling for LR-WPANS. *ACM Transactions on Sensor Networks*, 16(4):32:1–32:20, October 2020. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3399805>.
- [LFL<sup>+</sup>19] Chen Liu, Dingyi Fang, Xinyan Liu, Dan Xu, Xiaojiang Chen, Chieh-Jan Mike Liang, Baoying Liu, and Zhanyong Tang. Low-cost and robust geographic opportunistic routing in a strip topology wireless network. *ACM Transactions on Sensor Networks*, 15(2):24:1–24:??, April 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3309701](https://dl.acm.org/ft_gateway.cfm?id=3309701).
- [LFNS14] Xu Li, Greg Fletcher, Amiya Nayak, and Ivan Stojmenovic. Placing sensors for area coverage in a complex environment by a team of robots. *ACM Transactions on Sensor Networks*, 11(1):

**Li:2021:QQA****Lee:2020:DRE****Lin:2021:SVF****Liu:2019:LCR****Law:2006:SBB****Li:2014:PSA****Li:2013:AEE**

- 3:1–3:??, August 2014. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). [LH09]
- Liu:2009:CEE**
- [LFS09] Sha Liu, Kai-Wei Fan, and Prasad Sinha. CMAC: an energy-efficient MAC layer protocol using convergent packet forwarding for wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(4):29:1–29:??, November 2009. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- Liu:2019:MSC**
- [LFW<sup>+</sup>19] Xuecheng Liu, Luoyi Fu, Jiliang Wang, Xinbing Wang, and Guihai Chen. Multicast scaling of capacity and energy efficiency in heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(3):33:1–33:??, August 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3322497](https://dl.acm.org/ft_gateway.cfm?id=3322497).
- Liando:2019:KUF**
- [LGTL19] Jansen C. Liando, Amalinda Gamage, Agustinus W. Tengourtius, and Mo Li. Known and unknown facts of LoRa: Experiences from a large-scale measurement study. *ACM Transactions on Sensor Networks*, 15(2):16:1–16:??, April 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3293534](https://dl.acm.org/ft_gateway.cfm?id=3293534).
- Lim:2009:DLA**
- Hyuk Lim and Jennifer C. Hou. Distributed localization for anisotropic sensor networks. *ACM Transactions on Sensor Networks*, 5(2):11:1–11:??, March 2009. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- Lachenmann:2009:MLG**
- [LHRM09] Andreas Lachenmann, Klaus Herrmann, Kurt Roethermel, and Pedro José Marrón. On meeting lifetime goals and providing constant application quality. *ACM Transactions on Sensor Networks*, 5(4):36:1–36:??, November 2009. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- Liu:2016:TMT**
- [LHX16] Chin-Jung Liu, Pei Huang, and Li Xiao. TAS-MAC: a traffic-adaptive synchronous MAC protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1):1:1–1:??, March 2016. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- Liu:2021:CBE**
- [LHX<sup>+</sup>21] Meng Liu, Hongsheng Hu, Haolong Xiang, Chi Yang, Lingjuan Lyu, and Xuyun Zhang. Clustering-based efficient privacy-preserving face recognition scheme without compromising accuracy. *ACM Transactions on Sensor Networks*, 17(3):

- 31:1–31:27, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3448414>. [LJW<sup>+</sup>21]
- Li:2020:SSB**
- [LHZZ20] Yantao Li, Hailong Hu, Zhangqian Zhu, and Gang Zhou. SCANet: Sensor-based continuous authentication with two-stream convolutional neural networks. *ACM Transactions on Sensor Networks*, 16(3):29:1–29:27, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3397179>.
- Liu:2021:EEC**
- [Liu21] Yunhao Liu. Editorial from the Editor-in-Chief. *ACM Transactions on Sensor Networks*, 17(2):10e:1–10e:2, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3448130>.
- Liu:2019:ROA**
- [LJLW19] Yang Liu, Yonghang Jiang, Zhenjiang Li, and Jianping Wang. Rulers on our arms: Waving to measure object size through contactless sensing. *ACM Transactions on Sensor Networks*, 15(1):14:1–14:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3289183](https://dl.acm.org/ft_gateway.cfm?id=3289183). [LKA10]
- Li:2021:SER**
- Chaohao Li, Xiaoyu Ji, Bin Wang, Kai Wang, and Wenyuan Xu. SenCS: Enabling real-time indoor proximity verification via contextual similarity. *ACM Transactions on Sensor Networks*, 17(2):19:1–19:22, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3449071>.
- Lim:2010:RRP**
- [LJY<sup>+</sup>10] Jun Bum Lim, Beakcheol Jang, Suyoung Yoon, Mihail L. Sichi-tiu, and Alexander G. Dean. RaPTEX: Rapid prototyping tool for embedded communication systems. *ACM Transactions on Sensor Networks*, 7(1):7:1–7:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Li:2009:CNL**
- [LK09] Li Li and Thomas Kunz. Co-operative node localization using nonlinear data projection. *ACM Transactions on Sensor Networks*, 5(1):1:1–1:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Lee:2010:NLO**
- [LKA10] Huang Lee, Abtin Keshavarzian, and Hamid Aghajan. Near-lifetime-optimal data collection in wireless sensor networks via spatio-temporal load balancing. *ACM Transactions on Sensor*

*Networks*, 6(3):26:1–26:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2009:UCM**

- [LL09] Mo Li and Yunhao Liu. Underground coal mine monitoring with wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(2):10:1–10:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2016:TLL**

- [LL16] Yimei Li and Yao Liang. Temporal lossless and lossy compression in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(4):37:1–37:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2021:GGB**

- [LL21] Xin Li and Dawei Li. GPFS: a graph-based human pose forecasting system for smart home with online learning. *ACM Transactions on Sensor Networks*, 17(3):34:1–34:19, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3460199>.

**Li:2014:TEF**

- [LLL14] Zhenjiang Li, Mo Li, and Yunhao Liu. Towards energy-fairness in asynchronous duty-cycling sensor networks. *ACM*

*Transactions on Sensor Networks*, 10(3):38:1–38:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2014:FOT**

- [LLX<sup>+</sup>14] Huan Li, Dong Liang, Lihui Xie, Gong Zhang, and Krithi Ramamritham. Flash-optimized temporal indexing for time-series data storage on sensor platforms. *ACM Transactions on Sensor Networks*, 10(4):62:1–62:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2022:SPM**

- [LLX<sup>+</sup>22] Jing Li, Weifa Liang, Zichuan Xu, Xiaohua Jia, and Wanlei Zhou. Service provisioning for multi-source IoT applications in mobile edge computing. *ACM Transactions on Sensor Networks*, 18(2):17:1–17:25, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3484200>.

**Liu:2020:IMC**

- [LLZ<sup>+</sup>20] Zhao Liu, Kenli Li, Xu Zhou, Ningbo Zhu, and Keqin Li. Incentive mechanisms for crowdsensing: Motivating users to preprocess data for the crowdsourcer. *ACM Transactions on Sensor Networks*, 16(4):39:1–39:24, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (elec-

tronic). URL <https://dl.acm.org/doi/10.1145/3409475>.

**Lan:2022:EAC**

- [LLZ<sup>+</sup>22] Guohao Lan, Zida Liu, Yunfan Zhang, Tim Scargill, Jovan Stojkovic, Carlee Joe-Wong, and Maria Gorlatova. Edge-assisted collaborative image recognition for mobile augmented reality. *ACM Transactions on Sensor Networks*, 18(1):9:1–9:31, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3469033>.

**Langendoen:2010:AMPa**

- [LM10a] Koen Langendoen and Andreas Meier. Analyzing MAC protocols for low data-rate applications. *ACM Transactions on Sensor Networks*, 7(1):10:1–10:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Langendoen:2010:AMPb**

- [LM10b] Koen Langendoen and Andreas Meier. Analyzing MAC protocols for low data-rate applications. *ACM Transactions on Sensor Networks*, 7(2):19:1–19:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Laoudias:2014:FFT**

- [LMP14] Christos Laoudias, Michalis P. Michaelides, and Christos G. Panayiotou. ftTRACK: Fault-tolerant target tracking in binary

sensor networks. *ACM Transactions on Sensor Networks*, 10(4):64:1–64:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Lin:2016:AAT**

- [LMZ<sup>+</sup>16] Shan Lin, Fei Miao, Jingbin Zhang, Gang Zhou, Lin Gu, Tian He, John A. Stankovic, Sang Son, and George J. Pappas. ATPC: Adaptive transmission power control for wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1):6:1–6:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Liu:2005:IKP**

- [LN05] Donggang Liu and Peng Ning. Improving key predistribution with deployment knowledge in static sensor networks. *ACM Transactions on Sensor Networks*, 1(2):204–239, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Liu:2008:GBK**

- [LND08] Donggang Liu, Peng Ning, and Wenliang Du. Group-based key predistribution for wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(2):11:1–11:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ledeczi:2005:CSU**

- [LNV<sup>+</sup>05] Ákos Lédeczi, András Nádas, Péter Völgyesi, György Balogh,

- Branislav Kusy, János Sallai, Gábor Pap, Sebestyén Dóra, Károly Molnár, Miklós Maróti, and Gyula Simon. Counter-sniper system for urban warfare. *ACM Transactions on Sensor Networks*, 1(2):153–177, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LPR09] Loukas Lazos, Radha Pooven-  
dran, and James A. Ritcey. Analytic evaluation of target detection in heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(2):18:1–18:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LP05] Loukas Lazos and Radha Pooven-  
dran. SeRLoc: Robust localization for wireless sensor networks. *ACM Transactions on Sensor Networks*, 1(1):73–100, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LPV+09] Yee Wei Law, Marimuthu Palaniswami, Lodewijk Van Hoesel, Jeroen Doumen, Pieter Hartel, and Paul Havinga. Energy-efficient link-layer jamming attacks against wireless sensor network MAC protocols. *ACM Transactions on Sensor Networks*, 5(1):6:1–6:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LP06] Loukas Lazos and Radha Pooven-  
dran. Stochastic coverage in heterogeneous sensor networks. *ACM Transactions on Sensor Networks*, 2(3):325–358, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LR05] Qun Li and Daniela Rus. Navigation protocols in sensor networks. *ACM Transactions on Sensor Networks*, 1(1):3–35, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LP08] Wei Lai and Ioannis C. Paschalidis. Optimally balancing energy consumption versus latency in sensor network routing. *ACM Transactions on Sensor Networks*, 4(4):21:1–21:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LS10] Periklis G. Liaskovitis and Curt Schurgers. Leveraging redundancy in sampling-interpolation applications for sensor networks: a spectral approach. *ACM Transactions on Sensor Networks*, 7(2):12:1–12:??, August 2010.

2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2006:LTC**

- [LSW06] Xiang-Yang Li, Wen-Zhan Song, and Yu Wang. Localized topology control for heterogeneous wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(1):129–153, February 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Lu:2014:SBH**

- [LSW14] Jiakang Lu, Yamina Taskin Shams, and Kamin Whitehouse. Smart blueprints: How simple sensors can collaboratively map out their own locations in the home. *ACM Transactions on Sensor Networks*, 11(1):19:1–19:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Li:2022:DCB**

- [LTDZ22] Yantao Li, Peng Tao, Shaojiang Deng, and Gang Zhou. DeF-Fusion: CNN-based continuous authentication using deep feature fusion. *ACM Transactions on Sensor Networks*, 18(2):18:1–18:20, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3485060>.

**Li:2018:NTP**

- [LTY18] Yang Li, Rui Tan, and David K. Y. Yau. Natural times-

tamps in powerline electromagnetic radiation. *ACM Transactions on Sensor Networks*, 14(2):13:1–13:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Liu:2014:DAF**

- [LWCJ14] Hongbo Liu, Hui Wang, Yingying Chen, and Dayong Jia. Defending against frequency-based attacks on distributed data storage in wireless networks. *ACM Transactions on Sensor Networks*, 10(3):49:1–49:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Lederer:2009:CBL**

- [LWG09] Sol Lederer, Yue Wang, and Jie Gao. Connectivity-based localization of large-scale sensor networks with complex shape. *ACM Transactions on Sensor Networks*, 5(4):31:1–31:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Liu:2006:ORT**

- [LWH+06] Xue Liu, Qixin Wang, Wenbo He, Marco Caccamo, and Lui Sha. Optimal real-time sampling rate assignment for wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(2):263–295, May 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Lu:2022:SSK**

- [LWH<sup>+</sup>22] Youjing Lu, Fan Wu, Qianyi Huang, Shaojie Tang, Linghe Kong, and Guihai Chen. Shared secret key generation by exploiting inaudible acoustic channels. *ACM Transactions on Sensor Networks*, 18(1):13:1–13:26, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3480461>.

**Le:2021:DRL**

- [LWL<sup>+</sup>21] Duc Van Le, Rongrong Wang, Yingbo Liu, Rui Tan, Yew-Wah Wong, and Yonggang Wen. Deep reinforcement learning for tropical air free-cooled data center control. *ACM Transactions on Sensor Networks*, 17(3):24:1–24:28, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3439332>.

**Lin:2021:SEE**

- [LWM<sup>+</sup>21] Deyu Lin, Quan Wang, Weidong Min, Jianfeng Xu, and Zhiqiang Zhang. A survey on energy-efficient strategies in static wireless sensor networks. *ACM Transactions on Sensor Networks*, 17(1):3:1–3:48, January 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3414315>.

**Liang:2012:DSE**

- [LWSL12] Jinling Liang, Zidong Wang, Bo Shen, and Xiaohui Liu. Distributed state estimation in sensor networks with randomly occurring nonlinearities subject to time delays. *ACM Transactions on Sensor Networks*, 9(1):4:1–4:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Liu:2021:RRL**

- [LWX<sup>+</sup>21] Tang Liu, Baijun Wu, Wenzheng Xu, Xianbo Cao, Jian Peng, and Hongyi Wu. RLC: a reinforcement learning-based charging algorithm for mobile devices. *ACM Transactions on Sensor Networks*, 17(4):36:1–36:23, July 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3453682>.

**Liang:2021:EEC**

- [LWY<sup>+</sup>21] Yunji Liang, Xin Wang, Zhiwen Yu, Bin Guo, Xiaolong Zheng, and Sagar Samtani. Energy-efficient collaborative sensing: Learning the latent correlations of heterogeneous sensors. *ACM Transactions on Sensor Networks*, 17(3):33:1–33:28, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3448416>.

**Liang:2016:MLS**

- [LXR<sup>+</sup>16] Weifa Liang, Wenzheng Xu, Xiaojiang Ren, Xiaohua Jia, and



- Xiaola Lin. Maintaining large-scale rechargeable sensor networks perpetually via multiple mobile charging vehicles. *ACM Transactions on Sensor Networks*, 12(2):14:1–14:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LXY<sup>+</sup>22] Danyang Li, Jingao Xu, Zheng Yang, Chenshu Wu, Jianbo Li, and Nicholas D. Lane. Wireless localization with spatial-temporal robust fingerprints. *ACM Transactions on Sensor Networks*, 18(1):15:1–15:23, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3488281>.
- [LZLN19] **Li:2022:WLS** Yunhuai Liu, Qian Zhang, and Lionel Ni. A general framework for spectrum sensing using dedicated spectrum sensor networks. *ACM Transactions on Sensor Networks*, 15(1):7:1–7:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3275244](https://dl.acm.org/ft_gateway.cfm?id=3275244).
- [LYG<sup>+</sup>13] **Li:2013:SAH** Mo Li, Pengfei Zhou, Yuanqing Zheng, Zhenjiang Li, and Guobin Shen. IODetector: a generic service for indoor/outdoor detection. *ACM Transactions on Sensor Networks*, 11(2):28:1–28:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [LZAH<sup>+</sup>15] **Lin:2015:TSN** Vikram P. Munishwar and Nael B. Abu-Ghazaleh. Coverage algorithms for visual sensor networks. *ACM Transactions on Sensor Networks*, 9(4):45:1–45:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Munishwar:2013:CAV**

- [MB09] **Maierbacher:2009:LCC**  
Gerhard Maierbacher and João Barros. Low-complexity coding and source-optimized clustering for large-scale sensor networks. *ACM Transactions on Sensor Networks*, 5(3):24:1–24:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MB16] **Midi:2016:NLF**  
Daniele Midi and Elisa Bertino. Node or link? Fine-grained analysis of packet-loss attacks in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(2):8:1–8:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MCGZ21] **Ma:2021:BEH**  
Qiang Ma, Zhichao Cao, Wei Gong, and Xiaolong Zheng. BOND: Exploring hidden bottleneck nodes in large-scale wireless sensor networks. *ACM Transactions on Sensor Networks*, 17(2):13:1–13:21, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3439956>.
- [MCLM20] **Ma:2020:QST**  
Qiang Ma, Zhichao Cao, Kevin Liu, and Xin Miao. QA-Share: Toward an efficient QoS-aware dispatching approach for urban taxi-sharing. *ACM Transactions on Sensor Networks*, 16(2):17:1–17:21, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3375406>.
- [MCT14] **Mavrinac:2014:CQS**  
Aaron Mavrinac, Xiang Chen, and Yonghong Tan. Coverage quality and smoothness criteria for online view selection in a multi-camera network. *ACM Transactions on Sensor Networks*, 10(2):33:1–33:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MCW+16] **Moran:2016:BMS**  
Bill Moran, Fred Cohen, Zengfu Wang, Sofia Suvorova, Douglas Cochran, Tom Taylor, Peter Farrell, and Stephen Howard. Bounds on multiple sensor fusion. *ACM Transactions on Sensor Networks*, 12(2):16:1–16:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MDC+09] **Mathur:2009:ULP**  
Gaurav Mathur, Peter Desnoyers, Paul Chukiu, Deepak Ganesan, and Prashant Shenoy. Ultra-low power data storage for sensor networks. *ACM Transactions on Sensor Networks*, 5(4):33:1–33:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MDC17] **Mohammad:2017:IPS**  
Mobashir Mohammad, Manjunath Doddavenkatappa, and

Mun Choon Chan. Improving performance of synchronous transmission-based protocols using capture effect over multi-channels. *ACM Transactions on Sensor Networks*, 13(2):10:1–10:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Majid:2020:DTB**

[MDM<sup>+</sup>20] Amjad Yousef Majid, Carlo Delle Donne, Kiwan Maeng, Alexei Colin, Kasim Sinan Yildirim, Brandon Lucia, and Przemyslaw Pawelczak. Dynamic task-based intermittent execution for energy-harvesting devices. *ACM Transactions on Sensor Networks*, 16(1):5:1–5:24, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360285>.

**Muzaffar:2021:DEC**

[ME21] Shahzad Muzaffar and Ibrahim (Abe) M. Elfadel. Dynamic edge-coded protocols for low-power, device-to-device communication. *ACM Transactions on Sensor Networks*, 17(1):8:1–8:24, January 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3426181>.

**Margolies:2015:EHA**

[MGS<sup>+</sup>15] Robert Margolies, Maria Gorlatova, John Sarik, Gerald Stanje, Jianxun Zhu, Paul Miller,

Marcin Szczodrak, Baradwaj Vignraham, Luca Carloni, Peter Kinget, Ioannis Kymissis, and Gil Zussman. Energy-Harvesting Active Networked Tags (EHANTs): Prototyping and experimentation. *ACM Transactions on Sensor Networks*, 11(4):62:1–62:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Mu:2019:ROS**

[MGS<sup>+</sup>19] Di Mu, Yunpeng Ge, Mo Sha, Steve Paul, Niranjana Ravichandra, and Souma Chowdhury. Robust optimal selection of radio type and transmission power for Internet of Things. *ACM Transactions on Sensor Networks*, 15(4):39:1–39:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3342516](https://dl.acm.org/ft_gateway.cfm?id=3342516).

**Miao:2019:PPT**

[MJS<sup>+</sup>19] Chenglin Miao, Wenjun Jiang, Lu Su, Yaliang Li, Suxin Guo, Zhan Qin, Houping Xiao, Jing Gao, and Kui Ren. Privacy-preserving truth discovery in crowd sensing systems. *ACM Transactions on Sensor Networks*, 15(1):9:1–9:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3277505](https://dl.acm.org/ft_gateway.cfm?id=3277505).

**Misra:2013:ART**

[MKK<sup>+</sup>13] Prasant Misra, Navinda Kot-

- tege, Branislav Kusy, Diethelm Ostry, and Sanjay Jha. Acoustical ranging techniques in embedded wireless sensor networked devices. *ACM Transactions on Sensor Networks*, 10(1):15:1–15:??, November 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MKM<sup>+</sup>20] Xin Miao, Yanrong Kang, Qiang Ma, Kebin Liu, and Lei Chen. Quality-aware online task assignment in mobile crowdsourcing. *ACM Transactions on Sensor Networks*, 16(3):30:1–30:21, August 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3397180>.
- [MNLZ18] Frank Mokaya, Hae Young Noh, Roland Lucas, and Pei Zhang. MyoVibe: Enabling inertial sensor-based muscle activation detection in high-mobility exercise environments. *ACM Transactions on Sensor Networks*, 14(1):6:1–6:??, March 2018. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MP10] Chris Miller and Christian Poellabauer. Reliable and efficient reprogramming in sensor networks. *ACM Transactions on Sensor Networks*, 7(1):6:1–6:??, August 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MPC<sup>+</sup>10] Luca Mottola, Gian Pietro Picco, Matteo Ceriotti, Ștefan Gună, and Amy L. Murphy. Not all wireless sensor networks are created equal: a comparative study on tunnels. *ACM Transactions on Sensor Networks*, 7(2):15:1–15:??, August 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MPRS16] Ivan Minakov, Roberto Passerone, Alessandra Rizzardi, and Sabrina Sicari. A comparative study of recent wireless sensor network simulators. *ACM Transactions on Sensor Networks*, 12(3):20:1–20:??, August 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MPS10] Keith M. Martin, Maura B. Patterson, and Douglas R. Stinson. Key predistribution for homogeneous wireless sensor networks with group deployment of nodes. *ACM Transactions on Sensor Networks*, 7(2):11:1–11:??, August 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [MRM09] Pallavi Manohar, S. Sundhar Ram, and D. Manjunath. Path coverage by a sensor field: The nonhomogeneous case. *ACM Transactions on Sensor Networks*, 6(2):12:1–12:??, August 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Miao:2020:QAO**

**Mottola:2010:AWS**

**Mokaya:2018:MEI**

**Minakov:2016:CSR**

**Martin:2010:KPH**

**Miller:2010:RER**

**Manohar:2009:PCS**

*Transactions on Sensor Networks*, 5(2):17:1–17:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Manulis:2009:SMF**

- [MS09] Mark Manulis and Jörg Schwenk. Security model and framework for information aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 5(2):13:1–13:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Misra:2012:LPB**

- [MS12] Sudip Misra and Sweta Singh. Localized policy-based target tracking using wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(3):27:1–27:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Movassaghi:2018:OSA**

- [MSAJ18] Samaneh Movassaghi, David B. Smith, Mehran Abolhasan, and Abbas Jamalipour. Opportunistic spectrum allocation for interference mitigation amongst coexisting wireless body area networks. *ACM Transactions on Sensor Networks*, 14(2):7:1–7:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Midi:2017:SRP**

- [MSB17] Daniele Midi, Salmin Sultana, and Elisa Bertino. A system for

response and prevention of security incidents in wireless sensor networks. *ACM Transactions on Sensor Networks*, 13(1):1:1–1:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Malan:2008:IPK**

- [MWS08] David J. Malan, Matt Welsh, and Michael D. Smith. Implementing public-key infrastructure for sensor networks. *ACM Transactions on Sensor Networks*, 4(4):22:1–22:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ma:2019:FCS**

- [MZW<sup>+</sup>19] Zhi Ma, Sheng Zhang, Jie Wu, Zhuzhong Qian, Yanchao Zhao, and Sanglu Lu. Fast charging scheduling under the nonlinear superposition model with adjustable phases. *ACM Transactions on Sensor Networks*, 15(4):48:1–48:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3356342](https://dl.acm.org/ft_gateway.cfm?id=3356342).

**Machado:2010:CPC**

- [MZWT10] Renita Machado, Wensheng Zhang, Guiling Wang, and Sirin Tekinay. Coverage properties of clustered wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(2):13:1–13:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- [NC10] Xu Ning and Christos G. Cassandras. Dynamic sleep time control in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):21:1–21:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Ning:2010:DST**
- [NCV10] Alessandro Nordio, Carla-Fabiana Chiasserini, and Emanuele Viterbo. The impact of quasi-equally spaced sensor topologies on signal reconstruction. *ACM Transactions on Sensor Networks*, 6(2):11:1–11:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Nordio:2010:IQE**
- [NDM<sup>+</sup>13] Hyduke Noshadi, Foad Dabiri, Saro Meguerdichian, Miodrag Potkonjak, and Majid Sarrafzadeh. Behavior-oriented data resource management in medical sensing systems. *ACM Transactions on Sensor Networks*, 9(2):12:1–12:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Noshadi:2013:BOD**
- [NEKK12] Swaprava Nath, Venkatesan N. Ekambaram, Anurag Kumar, and P. Vijay Kumar. Theory and algorithms for hop-count-based localization with random geometric graph models of dense sensor networks. *ACM Transactions on Sensor Networks*, 8(4):35:1–35:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Nath:2012:TAH**
- [NGBB14] Majid Nabi, Marc Geilen, Twan Basten, and Milos Blagojevic. Efficient cluster mobility support for TDMA-based MAC protocols in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(4):65:1–65:??, June 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Nabi:2014:ECM**
- [NGSA08] Suman Nath, Phillip B. Gibbons, Srinivasan Seshan, and Zachary Anderson. Synopsis diffusion for robust aggregation in sensor networks. *ACM Transactions on Sensor Networks*, 4(2):7:1–7:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Nath:2008:SDR**
- [NJS05] Xuanlong Nguyen, Michael I. Jordan, and Bruno Sinopoli. A kernel-based learning approach to ad hoc sensor network localization. *ACM Transactions on Sensor Networks*, 1(1):134–152, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). **Nguyen:2005:KBL**
- [NJZ18] Hae Young Noh, Xiaofan (Fred) Jiang, and Pei Zhang. Intro- **Noh:2018:ISI**

duction to the special issue on BuildSys'17. *ACM Transactions on Sensor Networks*, 14(3-4): 16:1–16:??, December 2018. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Nguyen:2014:CMF**

[NK14] Diep N. Nguyen and Marwan Krunz. A cooperative MIMO framework for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):43:1–43:??, April 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Naveen:2015:RSC**

[NK15] K. P. Naveen and Anurag Kumar. Relay selection with channel probing in sleep-wake cycling wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):52:1–52:??, May 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ning:2008:MAA**

[NLD08] Peng Ning, An Liu, and Wenliang Du. Mitigating DoS attacks against broadcast authentication in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(1):1:1–1:??, January 2008. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Niu:2019:REA**

[NLH<sup>+</sup>19] Qun Niu, Mingkuan Li, Suining He, Chengying Gao, S. H. Gary

Chan, and Xiaonan Luo. Resource-efficient and automated image-based indoor localization. *ACM Transactions on Sensor Networks*, 15(2):19:1–19:??, April 2019. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3284555](https://dl.acm.org/ft_gateway.cfm?id=3284555).

**Ni:2012:SND**

[NP12] Kevin Ni and Greg Pottie. Sensor network data fault detection with maximum a posteriori selection and Bayesian modeling. *ACM Transactions on Sensor Networks*, 8(3):23:1–23:??, July 2012. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ni:2009:SND**

[NRC<sup>+</sup>09] Kevin Ni, Nithya Ramanathan, Mohamed Nabil Hajj Chehade, Laura Balzano, Sheela Nair, Sadaf Zahedi, Eddie Kohler, Greg Pottie, Mark Hansen, and Mani Srivastava. Sensor network data fault types. *ACM Transactions on Sensor Networks*, 5(3): 25:1–25:??, May 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Ning:2022:RST**

[NXW<sup>+</sup>22] Jingyi Ning, Lei Xie, Chuyi Wang, Yanling Bu, Fu Xiao, Baoliu Ye, and Sanglu Lu. Revolving scanning on tagged objects: 3D structure detection of logistics packages via RFID systems. *ACM Transac-*

tions on *Sensor Networks*, 18(2):20:1–20:29, May 2022. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3490171>.

**Nguyen:2015:GEE**

[NZLH15] Nam Tuan Nguyen, Rong Zheng, Jie Liu, and Zhu Han. GreenLocs: an energy-efficient indoor place identification framework. *ACM Transactions on Sensor Networks*, 11(3):43:1–43:??, February 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Nguyen:2021:SSI**

[NZM21] Vanh Khuyen Nguyen, Wei Emma Zhang, and Adnan Mahmood. Semi-supervised intrusive appliance load monitoring in smart energy monitoring system. *ACM Transactions on Sensor Networks*, 17(3):32:1–32:20, June 2021. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3448415>.

**Ni:2010:DRS**

[NZR10] Jinfeng Ni, Li Zhou, and China V. Ravishankar. Dealing with random and selective attacks in wireless sensor systems. *ACM Transactions on Sensor Networks*, 6(2):15:1–15:??, February 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Odonovan:2013:GSW**

[OBB+13] Tony O’donovan, James Brown, Felix Büsching, Alberto Cardoso, José Cecílio, Jose Do Ó, Pedro Furtado, Paulo Gil, Anja Jugel, Wolf-Bastian Pöttner, Utz Roedig, Jorge Sá Silva, Ricardo Silva, Cormac J. Sreenan, Vasos Vassiliou, Thiemo Voigt, Lars Wolf, and Zinon Zinonos. The GINSENG system for wireless monitoring and control: Design and deployment experiences. *ACM Transactions on Sensor Networks*, 10(1):4:1–4:??, November 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Oller:2013:DDP**

[ODCP13] Joaquim Oller, Ilker Demirkol, Jordi Casademont, and Josep Paradells. Design, development, and performance evaluation of a low-cost, low-power wake-up radio system for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):11:1–11:??, November 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Osborne:2012:RTI**

[ORRJ12] Michael A. Osborne, Stephen J. Roberts, Alex Rogers, and Nicholas R. Jennings. Real-time information processing of environmental sensor network data using Bayesian Gaussian processes. *ACM Transactions on Sensor Networks*, 9(1):1:1–1:??, November 2012. CODEN ?????



ISSN 1550-4859 (print), 1550-4867 (electronic).

**Prabh:2005:ECD**

- [PA05] K. Shashi Prabh and Tarek F. Abdelzaher. Energy-conserving data cache placement in sensor networks. *ACM Transactions on Sensor Networks*, 1(2):178–203, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Panta:2011:EIC**

- [PBM11] Rajesh Krishna Panta, Saurabh Bagchi, and Samuel P. Midkiff. Efficient incremental code update for sensor networks. *ACM Transactions on Sensor Networks*, 7(4):30:1–30:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Paschalidis:2010:SAD**

- [PC10] Ioannis Ch. Paschalidis and Yin Chen. Statistical anomaly detection with sensor networks. *ACM Transactions on Sensor Networks*, 7(2):17:1–17:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Premnath:2014:EHR**

- [PCPK14] Sriram Nandha Premnath, Jessica Croft, Neal Patwari, and Sneha Kumar Kasera. Efficient high-rate secret key extraction in wireless sensor networks using collaboration. *ACM Transactions on Sensor Networks*, 11(1):2:1–2:??, August 2014. CODEN

???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Porter:2013:MSE**

- [PCR13] Barry Porter, Geoff Coulson, and Utz Roedig. Managing software evolution in large-scale wireless sensor and actuator networks. *ACM Transactions on Sensor Networks*, 9(4):54:1–54:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Padhy:2010:UBA**

- [PDMJ10] Paritosh Padhy, Rajdeep K. Dash, Kirk Martinez, and Nicholas R. Jennings. A utility-based adaptive sensing and multihop communication protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):27:1–27:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Penil:2017:HLD**

- [PDP+17] Pablo Peñil, Alvaro Díaz, Hector Posadas, Julio Medina, and Pablo Sánchez. High-level design of wireless sensor networks for performance optimization under security hazards. *ACM Transactions on Sensor Networks*, 13(3):19:1–19:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Park:2013:DCO**

- [PEFSV13] Pangun Park, Sinem Coleri Ergen, Carlo Fischione, and Alberto Sangiovanni-Vincentelli.

- Duty-cycle optimization for IEEE 802.15.4 wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):12:1–12:??, November 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PFJ13] Pangun Park, Carlo Fischione, and Karl Henrik Johansson. Modeling and stability analysis of hybrid multiple access in the IEEE 802.15.4 protocol. *ACM Transactions on Sensor Networks*, 9(2):13:1–13:??, March 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PG09] Ioannis Ch. Paschalidis and Dong Guo. Robust and distributed stochastic localization in sensor networks: Theory and experimental results. *ACM Transactions on Sensor Networks*, 5(4):34:1–34:??, November 2009. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PG10] Jeongyeup Paek and Ramesh Govindan. RCRT: Rate-controlled reliable transport protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(3):20:1–20:??, September 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PGG<sup>+</sup>10] Jeongyeup Paek, Ben Greenstein, Omprakash Gnawali, Ki-Young Jang, August Joki, Marcos Vieira, John Hicks, Deborah Estrin, Ramesh Govindan, and Eddie Kohler. The Tenet architecture for tiered sensor networks. *ACM Transactions on Sensor Networks*, 6(4):34:1–34:??, July 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PH10] Daniele Puccinelli and Martin Haenggi. Reliable data delivery in large-scale low-power sensor networks. *ACM Transactions on Sensor Networks*, 6(4):28:1–28:??, July 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Pha16] Congduc Pham. QoS for long-range wireless sensors under duty-cycle regulations with shared activity time usage. *ACM Transactions on Sensor Networks*, 12(4):33:1–33:??, November 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [PHKK17] Yongtae Park, Jihun Ha, Hyogon Kim, and Jeonggil Ko. Enabling sensor network to Smartphone interaction using software radios. *ACM Transactions on Sensor Networks*, 13(1):2:1–2:??,

**Paek:2010:TAT****Park:2013:MSA****Puccinelli:2010:RDD****Paschalidis:2009:RDS****Pham:2016:QLR****Paek:2010:RRC****Park:2017:ESN**

- February 2017. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic).
- Pattem:2008:ISC**
- [PKG08] Sundeep Pattem, Bhaskar Krishnamachari, and Ramesh Govindan. The impact of spatial correlation on routing with compression in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(4):24:1–24:??, August 2008. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic).
- Pal:2019:WFD**
- [PK19] Amitangshu Pal and Krishna Kant. Water flow driven sensor networks for leakage and contamination monitoring in distribution pipelines. *ACM Transactions on Sensor Networks*, 15(4):37:1–37:??, October 2019. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3342513](https://dl.acm.org/ft_gateway.cfm?id=3342513).
- Pal:2020:SSC**
- [PK20] Amitangshu Pal and Krishna Kant. Smart sensing, communication, and control in perishable food supply chain. *ACM Transactions on Sensor Networks*, 16(1):12:1–12:41, February 2020. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360726>.
- Panigrahi:2015:ESN**
- [PPM15] Trilochan Panigrahi, Ganapati Panda, and Bernard Mulgrew. Error saturation nonlinearities for robust incremental LMS over wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):27:1–27:??, February 2015. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic).
- Peleg:2010:LSC**
- [PR10] David Peleg and Liam Roditty. Localized spanner construction for ad hoc networks with variable transmission range. *ACM Transactions on Sensor Networks*, 7(3):25:1–25:??, September 2010.
- Pietro:2012:SHU**
- [PMST12] Roberto Di Pietro, Di Ma, Claudio Soriente, and Gene Tsudik. Self-healing in unattended wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(1):7:1–7:??, November 2012. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic).
- Pannuto:2018:HUW**
- [PKC<sup>+</sup>18] Pat Pannuto, Benjamin Kempke, Li-Xuan Chuo, David Blaauw, and Prabal Dutta. Harmonium: Ultra wideband pulse generation with bandstitched recovery for fast, accurate, and robust indoor localization. *ACM Transactions on Sensor Networks*, 14(2):11:1–11:??, July 2018. CODEN ????
- ISSN 1550-4859 (print), 1550-4867 (electronic).

CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Peyravi:2017:LMD**

- [PS17] Hassan Peyravi and Rahul Sehgal. Link modeling and delay analysis in networks with disruptive links. *ACM Transactions on Sensor Networks*, 13(4):31:1–31:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Pottner:2014:CST**

- [PSB<sup>+</sup>14] Wolf-Bastian Pöttner, Hans Seidel, James Brown, Utz Roedig, and Lars Wolf. Constructing schedules for time-critical data delivery in wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):44:1–44:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Perazzo:2016:SPW**

- [PTDD16] Pericle Perazzo, Lorenzo Taponecco, Antonio A. D’amico, and Gianluca Dini. Secure positioning in wireless sensor networks through enlargement miscontrol detection. *ACM Transactions on Sensor Networks*, 12(4):27:1–27:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Pongaliur:2013:SNS**

- [PX13] Kanthakumar Pongaliur and Li Xiao. Sensor node source privacy and packet recovery under eavesdropping and node compromise attacks. *ACM Transactions*

*on Sensor Networks*, 9(4):50:1–50:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Peng:2021:TPC**

- [PZOZ21] Chaoqun Peng, Xinglin Zhang, Zhaojing Ou, and Junna Zhang. Task planning considering location familiarity in spatial crowdsourcing. *ACM Transactions on Sensor Networks*, 17(2):16:1–16:24, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3442698>.

**Qin:2013:MUA**

- [QM13] Fei Qin and John E. Mitchell. AS-MAC: Utilizing the adaptive spreading code length for wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(1):1:1–1:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Razzaque:2013:CWS**

- [RBD13] M. A. Razzaque, Chris Bleakley, and Simon Dobson. Compression in wireless sensor networks: a survey and comparative evaluation. *ACM Transactions on Sensor Networks*, 10(1):5:1–5:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Rajasegarar:2009:EAW**

- [RBLP09] Sutharshan Rajasegarar, James C. Bezdek, Christopher Leckie, and

- Marimuthu Palaniswami. Elliptical anomalies in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(1):7:1–7:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RDR07] **Ramachandran:2007:ACA**  
Iyappan Ramachandran, Arindam K. Das, and Sumit Roy. Analysis of the contention access period of IEEE 802.15.4 MAC. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RBS16] **Rathore:2016:CAS**  
Heena Rathore, Venkataramana Badarla, and Supratim Shit. Consensus-aware sociopsychological trust model for wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(3):21:1–21:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RFB<sup>+</sup>14] **Ramos:2014:TRM**  
Heitor S. Ramos, Alejandro C. Frery, Azzedine Boukerche, Eduardo M. R. Oliveira, and Antonio A. F. Loureiro. Topology-related metrics and applications for the design and operation of wireless sensor networks. *ACM Transactions on Sensor Networks*, 10(3):53:1–53:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RD16] **Restuccia:2016:OLS**  
Francesco Restuccia and Sajal K. Das. Optimizing the lifetime of sensor networks with uncontrollable mobile sinks and QoS constraints. *ACM Transactions on Sensor Networks*, 12(1):2:1–2:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RFS<sup>+</sup>19] **Restuccia:2019:FFO**  
Francesco Restuccia, Pierluca Ferraro, Timothy S. Sanders, Simone Silvestri, Sajal K. Das, and Giuseppe Lo Re. FIRST: a framework for optimizing information quality in mobile crowd-sensing systems. *ACM Transactions on Sensor Networks*, 15(1):5:1–5:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3267105](https://dl.acm.org/ft_gateway.cfm?id=3267105).
- [RDP16] **Restuccia:2016:IMP**  
Francesco Restuccia, Sajal K. Das, and Jamie Payton. Incentive mechanisms for participatory sensing: Survey and research challenges. *ACM Transactions on Sensor Networks*, 12(2):13:1–13:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RGB<sup>+</sup>17] **Restuccia:2017:QIM**  
Francesco Restuccia, Nirnay Ghosh, Shameek Bhattachar-

- jee, Sajal K. Das, and Tommaso Melodia. Quality of information in mobile crowdsensing: Survey and research challenges. *ACM Transactions on Sensor Networks*, 13(4):34:1–34:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RHD17] M. A. Razzaque, Muta Tah Hira, and Mukta Dira. QoS in body area networks: a survey. *ACM Transactions on Sensor Networks*, 13(3):25:1–25:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RHS20] Bernd-Christian Renner, Jan Heitmann, and Fabian Steinmetz. ahoi: Inexpensive, low-power communication and localization for underwater sensor networks and  $\mu$ AUVs. *ACM Transactions on Sensor Networks*, 16(2):18:1–18:46, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3376921>.
- [RJB<sup>+</sup>10] Hosam Rowaihy, Matthew P. Johnson, Ou Liu, Amotz Bar-Noy, Theodore Brown, and Thomas La Porta. Sensor-mission assignment in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(4):36:1–36:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RKJ09] Vasanth Rajamani, Sanem Kabadayi, and Christine Julien. An interrelational grouping abstraction for heterogeneous sensors. *ACM Transactions on Sensor Networks*, 5(3):27:1–27:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RKR<sup>+</sup>17] Punit Rathore, Dheeraj Kumar, Sutharshan Rajasegarar, and Marimuthu Palaniswami. Maximum entropy-based auto drift correction using high- and low-precision sensors. *ACM Transactions on Sensor Networks*, 13(3):24:1–24:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RKW<sup>+</sup>06] Umakishore Ramachandran, Rajnish Kumar, Matthew Wolenetz, Brian Cooper, Bikash Aggarwalla, Junsuk Shin, Phillip Hutto, and Arnab Paul. Dynamic data fusion for future sensor networks. *ACM Transactions on Sensor Networks*, 2(3):404–443, August 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RMB<sup>+</sup>10] Sasank Reddy, Min Mun, Jeff Burke, Deborah Estrin, Mark Hansen, and Mani Srivastava.

- Using mobile phones to determine transportation modes. *ACM Transactions on Sensor Networks*, 6(2):13:1–13:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RR09] Sushmita Ruj and Bimal Roy. Key predistribution using combinatorial designs for grid-group deployment scheme in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(1):4:1–4:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [RS19] Niels Reijers and Chi-Sheng Shih. Improved ahead-of-time compilation of stack-based JVM Bytecode on resource-constrained devices. *ACM Transactions on Sensor Networks*, 15(3):34:1–34:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3341170](https://dl.acm.org/ft_gateway.cfm?id=3341170).
- [RSK<sup>+</sup>21] Dhrubojyoti Roy, Sangeeta Srivastava, Aditya Kusupati, Pranshu Jain, Manik Varma, and Anish Arora. One size does not fit all: Multi-scale, cascaded RNNs for radar classification. *ACM Transactions on Sensor Networks*, 17(2):12:1–12:27, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SAK<sup>+</sup>19] Ahmed Saeed, Ahmed Abdelkader, Mouhyemen Khan, Azin Neishaboori, Khaled A. Harras, and Amr Mohamed. On realistic target coverage by autonomous drones. *ACM Transactions on Sensor Networks*, 15(3):32:1–32:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3439957>.
- [SAZ10] Lifeng Sang, Anish Arora, and Hongwei Zhang. On link asymmetry and one-way estimation in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(2):12:1–12:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SB16] Gokarna Sharma and Costas Busch. Near-optimal deterministic Steiner tree maintenance in sensor networks. *ACM Transactions on Sensor Networks*, 12(1):4:1–4:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SBCF20] Mehrdad Salimitari, Shameek Bhattacharjee, Mainak Chatterjee, and Yaser P. Fallah. A

**Ruj:2009:KPU****Saeed:2019:RTC****Reijers:2019:IAT****Sang:2010:LAO****Roy:2021:OSD****Sharma:2016:NOD****Salimitari:2020:PTA**

- prospect theoretic approach for trust management in IoT networks under manipulation attacks. *ACM Transactions on Sensor Networks*, 16(3):26:1–26:26, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3392058>.  
**Shah:2018:DGC**
- [SBSD18] Vijay K. Shah, Shameek Bhat-tacharjee, Simone Silvestri, and Sajal K. Das. Designing green communication systems for smart and connected communities via dynamic spectrum access. *ACM Transactions on Sensor Networks*, 14(3–4):31:1–31:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).  
**Sun:2012:QCC**
- [SC12] Xusheng Sun and Edward J. Coyle. Quantization, channel compensation, and optimal energy allocation for estimation in sensor networks. *ACM Transactions on Sensor Networks*, 8(2):15:1–15:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).  
**Salmani:2015:RRR**
- [SC15] Vahid Salmani and Pai H. Chou. Resilient round robin: a lightweight deterministic MAC primitive. *ACM Transactions on Sensor Networks*, 11(2):31:1–31:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).  
**Shu:2015:TLW**
- [SCG<sup>+</sup>15] Yuanchao Shu, Peng Cheng, Yu Gu, Jiming Chen, and Tian He. TOC: Localizing wireless rechargeable sensors with time of charge. *ACM Transactions on Sensor Networks*, 11(3):44:1–44:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).  
**Schieferdecker:2015:LFD**
- [Sch15] Dennis Schieferdecker. Location-free detection of network boundaries. *ACM Transactions on Sensor Networks*, 11(4):58:1–58:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).  
**Shan:2014:BML**
- [SCL<sup>+</sup>14] Mengfan Shan, Guihai Chen, Dijun Luo, Xiaojun Zhu, and Xiaobing Wu. Building maximum lifetime shortest path data aggregation trees in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):11:1–11:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).  
**Shi:2019:DSC**
- [SCL<sup>+</sup>19] Tuo Shi, Siyao Cheng, Jianzhong Li, Hong Gao, and Zhipeng Cai. Dominating sets construction in RF-based battery-free sensor networks with full coverage guarantee. *ACM Transactions on Sensor Networks*, 15(4):



- 43:1–43:??, October 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3352486](https://dl.acm.org/ft_gateway.cfm?id=3352486). **Shi:2022:ECTb**
- [SCS22] Junyang Shi, Xingjian Chen, and Mo Sha. Enabling cross-technology communication from LoRa to ZigBee in the 2.4 GHz band. *ACM Transactions on Sensor Networks*, 18(2):21:1–21:23, May 2022. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3491222>. **Sheu:2013:ACC**
- [SCWC13] Jang-Ping Sheu, Guey-Yun Chang, Shan-Hung Wu, and Yen-Ting Chen. Adaptive  $k$ -coverage contour evaluation and deployment in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4):40:1–40:??, July 2013. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). **Sutton:2019:BLL**
- [SDBT19] Felix Sutton, Reto Da Forno, Jan Beutel, and Lothar Thiele. BLITZ: Low latency and energy-efficient communication for event-triggered wireless sensing systems. *ACM Transactions on Sensor Networks*, 15(2):25:1–25:??, April 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). **Sundaram:2013:DTW**
- [SDC10] Mario Strasser, Boris Danev, and Srdjan Čapkun. Detection of reactive jamming in sensor networks. *ACM Transactions on Sensor Networks*, 7(2):16:1–16:??, August 2010. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3309702](https://dl.acm.org/ft_gateway.cfm?id=3309702). **Strasser:2010:DRJ**
- [SDTL10] Kannan Srinivasan, Prabal Dutta, Arsalan Tavakoli, and Philip Levis. An empirical study of low-power wireless. *ACM Transactions on Sensor Networks*, 6(2):16:1–16:??, February 2010. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). **Srinivasan:2010:ESL**
- [SDX+20] Yiran Shen, Bowen Du, Weitao Xu, Chengwen Luo, Bo Wei, Lizhen Cui, and Hongkai Wen. Securing cyber-physical social interactions on wrist-worn devices. *ACM Transactions on Sensor Networks*, 16(2):19:1–19:22, April 2020. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3378669>. **Shen:2020:SCP**
- [SEZA13] Vinaitheerthan Sundaram, Patrick Eugster, Xiangyu Zhang, and Vamsidhar Addanki. Diagnostic tracing for wireless sensor

networks. *ACM Transactions on Sensor Networks*, 9(4):38:1–38:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Sugihara:2008:PMS**

[SG08] Ryo Sugihara and Rajesh K. Gupta. Programming models for sensor networks: a survey. *ACM Transactions on Sensor Networks*, 4(2):8:1–8:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Sugihara:2010:SCS**

[SG10] Ryo Sugihara and Rajesh K. Gupta. Speed control and scheduling of data mules in sensor networks. *ACM Transactions on Sensor Networks*, 7(1):4:1–4:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Sugihara:2011:PPD**

[SG11] Ryo Sugihara and Rajesh K. Gupta. Path planning of data mules in sensor networks. *ACM Transactions on Sensor Networks*, 8(1):1:1–1:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Steine:2015:DRA**

[SGB15] Marcel Steine, Marc Geilen, and Twan Basten. A distributed reconfiguration approach for quality-of-service provisioning in dynamic heterogeneous wireless

sensor networks. *ACM Transactions on Sensor Networks*, 11(2):34:1–34:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Sharma:2010:SFD**

[SGG10] Abhishek B. Sharma, Leana Golubchik, and Ramesh Govindan. Sensor faults: Detection methods and prevalence in real-world datasets. *ACM Transactions on Sensor Networks*, 6(3):23:1–23:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Sengul:2008:APB**

[SGM08] Cigdem Sengul, Indranil Gupta, and Matthew J. Miller. Adaptive probability-based broadcast forwarding in energy-saving sensor networks. *ACM Transactions on Sensor Networks*, 4(2):6:1–6:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Shi:2009:OBS**

[SH09] Yi Shi and Y. Thomas Hou. Optimal base station placement in wireless sensor networks. *ACM Transactions on Sensor Networks*, 5(4):32:1–32:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Shen:2020:COM**

[SHWW20] Shihao Shen, Yiwen Han, Xiaofei Wang, and Yan Wang. Computation offloading with multiple agents in edge-computing-

- supported IoT. *ACM Transactions on Sensor Networks*, 16(1): 8:1–8:27, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372025>.
- [SHY13] Affan A. Syed, John Heidemann, and Wei Ye. Tones for real: Managing multipath in underwater acoustic wakeup. *ACM Transactions on Sensor Networks*, 9(2):27:1–27:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SJH<sup>+</sup>18] Fisayo Caleb Sangogboye, Ruoxi Jia, Tianzhen Hong, Costas Spanos, and Mikkel Baun Kjærgaard. A framework for privacy-preserving data publishing with enhanced utility for cyber-physical systems. *ACM Transactions on Sensor Networks*, 14(3–4):30:1–30:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SKM<sup>+</sup>11] Jaspreet Singh, Rajesh Kumar, Upamanyu Madhow, Subhash Suri, and Richard Cagley. Multiple-target tracking with binary proximity sensors. *ACM Transactions on Sensor Networks*, 8(1):5:1–5:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SLC<sup>+</sup>22] Xingfa Shen, Chuang Li, Weijie Chen, Yongcai Wang, and Quanbo Ge. Transition model-driven unsupervised localization framework based on crowd-sensed trajectory data. *ACM Transactions on Sensor Networks*, 18(2):26:1–26:21, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3499425>.
- [SML18] Nuno Silva, Eduardo R. B. Marques, and Luís M. B. Lopes. Flux: a platform for dynamically reconfigurable mobile crowd-sensing. *ACM Transactions on Sensor Networks*, 14(3–4):20:1–20:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SMMS09] Nisheeth Shrivastava, Raghuraman Mudumbai, Upamanyu Madhow, and Subhash Suri. Target tracking with binary proximity sensors. *ACM Transactions on Sensor Networks*, 5(4):30:1–30:??, November 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SMR<sup>+</sup>14] Rijurekha Sen, Abhinav Maurya, Bhaskaran Raman, Rupesh Mehta, Ramkrishnan Kalyanaraman, and Amarjeet Singh. Road-RFSense: a practical RF

**Shen:2022:TMD****Syed:2013:TRM****Silva:2018:FPD****Sangogboye:2018:FPP****Shrivastava:2009:TTB****Singh:2011:MTT****Sen:2014:RRP**

- sensing-based road traffic estimation system for developing regions. *ACM Transactions on Sensor Networks*, 11(1):4:1–4:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SMS22] Junyang Shi, Di Mu, and Mo Sha. Enabling cross-technology communication from LoRa to ZigBee via payload encoding in sub-1 GHz bands. *ACM Transactions on Sensor Networks*, 18(1):6:1–6:26, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3470452>.
- [SMZ<sup>+</sup>17] Boyuan Sun, Qiang Ma, Shan-feng Zhang, Kebin Liu, and Yunhao Liu. iSelf: Towards cold-start emotion labeling using transfer learning with Smartphones. *ACM Transactions on Sensor Networks*, 13(4):30:1–30:??, December 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SPK<sup>+</sup>10] Chung-Ching Shen, William L. Plishker, Dong-Ik Ko, Shuvra S. Bhattacharyya, and Neil Goldman. Energy-driven distribution of signal processing applications across wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):24:1–24:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SPK14] Paul J. Shin, Johnny Park, and Avinash C. Kak. A predictive duty cycle adaptation framework using augmented sensing for wireless camera networks. *ACM Transactions on Sensor Networks*, 10(2):22:1–22:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SS13] Hanan Shpungin and Michael Segal. Improved multicriteria spanners for ad-hoc networks under energy and distance metrics. *ACM Transactions on Sensor Networks*, 9(4):37:1–37:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SSC<sup>+</sup>10] Thomas Schmid, Roy Shea, Zainul Charbiwala, Jonathan Friedman, Mani B. Srivastava, and Young H. Cho. On the interaction of clocks, power, and synchronization in duty-cycled embedded sensor nodes. *ACM Transactions on Sensor Networks*, 7(3):24:1–24:??, September 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Shi:2022:ECTa****Shin:2014:PDC****Sun:2017:ITC****Shpungin:2013:IMS****Schmid:2010:ICP****Shen:2010:EDD**

- [SSGM10] **Saukh:2010:BRL** Olga Saukh, Robert Sauter, Matthias Gauger, and Pedro José Marrón. On boundary recognition without location information in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(3):20:1–20:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SSL<sup>+</sup>19] **Saifullah:2019:CEW** Abusayeed Saifullah, Sriram Sankar, Jie Liu, Chenyang Lu, Ranveer Chandra, and Bodhi Priyantha. CapNet: Exploiting wireless sensor networks for data center power capping. *ACM Transactions on Sensor Networks*, 15(1):6:1–6:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3278624](https://dl.acm.org/ft_gateway.cfm?id=3278624).
- [SST08] **Shrivastava:2008:DCS** Nisheeth Shrivastava, Subhash Suri, and Csaba D. Tóth. Detecting cuts in sensor networks. *ACM Transactions on Sensor Networks*, 4(2):10:1–10:??, March 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [ST12] **Shirmohammadi:2012:SLS** Babak Shirmohammadi and Camillo J. Taylor. Self-localizing smart camera networks. *ACM Transactions on Sensor Networks*, 8(2):11:1–11:??, March 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Su07] **Su:2007:CAA** Xun Su. A combinatorial algorithmic approach to energy efficient information collection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SUZK19] **Silvestri:2019:FIS** Simone Silvestri, Rahul Urgaonkar, Murtaza Zafer, and Bong Jun Ko. A framework for the inference of sensing measurements based on correlation. *ACM Transactions on Sensor Networks*, 15(1):4:1–4:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3272035](https://dl.acm.org/ft_gateway.cfm?id=3272035).
- [SW22] **Schroder:2022:IPB** Yannic Schröder and Lars Wolf. InPhase: Phase-based ranging and localization. *ACM Transactions on Sensor Networks*, 18(2):24:1–24:39, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3494542>.
- [SWYW21] **Sun:2021:IDC** Danfeng Sun, Jia Wu, Jian Yang, and Huifeng Wu. Intelligent data collaboration in

- heterogeneous-device IoT platforms. *ACM Transactions on Sensor Networks*, 17(3):22:1–22:17, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3427912>. [SYT22]
- Song:2015:ETP**
- [SXD<sup>+</sup>15] Wen-Zhan Song, Mingsen Xu, Debraj De, Deukhyoun Heo, Jong-Hoon Kim, and Byeong-Sam Kim. ECPC: Toward preserving downtime data persistence in disruptive wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(2):24:1–24:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [SZ19]
- Sadek:2009:EEC**
- [SYL09] Ahmed K. Sadek, Wei Yu, and K. J. Ray Liu. On the energy efficiency of cooperative communications in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(1):5:1–5:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [SZG11]
- Shuai:2012:TMP**
- [SYOY12] Zaihong Shuai, Sangseok Yoon, Songhwai Oh, and Ming-Hsuan Yang. Traffic modeling and prediction using sensor networks: Who will go where and when? *ACM Transactions on Sensor Networks*, 9(1):6:1–6:??, November 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [SZG13]
- Song:2022:DMT**
- Qun Song, Zhenyu Yan, and Rui Tan. DeepMTD: Moving target defense for deep visual sensing against adversarial examples. *ACM Transactions on Sensor Networks*, 18(1):5:1–5:32, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3469032>.
- Shaabana:2019:CPH**
- Ala Shaabana and Rong Zheng. CRONOS: a post-hoc data driven multi-sensor synchronization approach. *ACM Transactions on Sensor Networks*, 15(3):26:1–26:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3309703](https://dl.acm.org/ft_gateway.cfm?id=3309703).
- Sarkar:2011:HSG**
- [SZG11] Rik Sarkar, Xianjin Zhu, and Jie Gao. Hierarchical spatial gossip for multiresolution representations in sensor networks. *ACM Transactions on Sensor Networks*, 8(1):4:1–4:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Sarkar:2013:DCR**
- [SZG13] Rik Sarkar, Xianjin Zhu, and Jie Gao. Distributed and compact

- routing using spatial distributions in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3):32:1–32:??, May 2013. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SZG<sup>+</sup>15] Mahima Agumbe Suresh, Wei Zhang, Weijiao Gong, Radu Stoleru, Amin Rasekh, and M. Katherine Banks. Toward optimal monitoring of flow-based systems using mobile wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):48:1–48:??, February 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SZX17] Ala Shaabana, Rong Zheng, and Zhipeng Xu. Inferring clothing insulation levels using mechanisms of heat transfer. *ACM Transactions on Sensor Networks*, 13(4):28:1–28:??, December 2017. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [SZZC08] Hui Song, Sencun Zhu, Wensheng Zhang, and Guohong Cao. Least privilege and privilege deprivation: Toward tolerating mobile sink compromises in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(4):23:1–23:??, August 2008. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TAT14] Baris Tas, Nihat Altiparmak, and Ali Saman Tosun. Low-cost indoor location management for robots using IR leds and an IR camera. *ACM Transactions on Sensor Networks*, 10(4):63:1–63:??, June 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TBL07] Ankit Tiwari, Prasanna Ballal, and Frank L. Lewis. Energy-efficient wireless sensor network design and implementation for condition-based maintenance. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TCB<sup>+</sup>14] Benjamin Tovar, Fred Cohen, Leonardo Bobadilla, Justin Czarowski, and Steven M. Lavalley. Combinatorial filters: Sensor beams, obstacles, and possible paths. *ACM Transactions on Sensor Networks*, 10(3):47:1–47:??, April 2014. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [TCN<sup>+</sup>17] Rui Tan, Sheng-Yuan Chiu, Hoang Hai Nguyen, David K. Y. Yau, and Deokwoo Jung. A joint

**Tas:2014:LCI****Suresh:2015:TOM****Tiwari:2007:EEW****Shaabana:2017:ICI****Tovar:2014:CFS****Song:2008:LPP****Tan:2017:JDC**

data compression and encryption approach for wireless energy auditing networks. *ACM Transactions on Sensor Networks*, 13(2):9:1–9:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tiloca:2019:DDS**

- [TDD<sup>+</sup>19] Marco Tiloca, Domenico De Guglielmo, Gianluca Dini, Giuseppe Anastasi, and Sajal K. Das. DISH: DIstributed SHuffling against selective jamming attack in IEEE 802.15.4e TSCH networks. *ACM Transactions on Sensor Networks*, 15(1):3:1–3:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3241052](https://dl.acm.org/ft_gateway.cfm?id=3241052).

**Teng:2017:IIO**

- [TGG<sup>+</sup>17] Xiaoqiang Teng, Deke Guo, Yulan Guo, Xiaolei Zhou, Zeliu Ding, and Zhong Liu. ION-avi: an indoor-outdoor navigation service via mobile crowd-sensing. *ACM Transactions on Sensor Networks*, 13(2):12:1–12:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Teng:2019:CTU**

- [TGG<sup>+</sup>19] Xiaoqiang Teng, Deke Guo, Yulan Guo, Xiaolei Zhou, and Zhong Liu. CloudNavi: Toward ubiquitous indoor navigation service with 3D point clouds. *ACM Transactions on Sensor Networks*, 15(1):1:1–

1:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3216722](https://dl.acm.org/ft_gateway.cfm?id=3216722).

**Tan:2014:CPL**

- [TJLK14] Guang Tan, Hongbo Jiang, Jun Liu, and Anne-Marie Kermarrec. Convex partitioning of large-scale sensor networks in complex fields: Algorithms and applications. *ACM Transactions on Sensor Networks*, 10(3):41:1–41:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tang:2013:EED**

- [TJWK13] Bin Tang, Neeraj Jaggi, Haijie Wu, and Rohini Kurkal. Energy-efficient data redistribution in sensor networks. *ACM Transactions on Sensor Networks*, 9(2):11:1–11:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tan:2013:CBA**

- [TJZ<sup>+</sup>13] Guang Tan, Hongbo Jiang, Shengkai Zhang, Zhimeng Yin, and Anne-Marie Kermarrec. Connectivity-based and anchor-free localization in large-scale 2D/3D sensor networks. *ACM Transactions on Sensor Networks*, 10(1):6:1–6:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).



**Taherkordi:2013:OSN**

- [TLRE13] Amir Taherkordi, Frederic Loiret, Romain Rouvoy, and Frank Eliassen. Optimizing sensor network reprogramming via in situ reconfigurable components. *ACM Transactions on Sensor Networks*, 9(2):14:1–14:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tessens:2014:CST**

- [TMAP14] Linda Tessens, Marleen Morbee, Hamid Aghajan, and Wilfried Philips. Camera selection for tracking in distributed smart camera networks. *ACM Transactions on Sensor Networks*, 10(2):23:1–23:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tavakoli:2018:DIA**

- [TNBG18] Rasool Tavakoli, Majid Nabi, Twan Basten, and Kees Goossens. Dependable interference-aware time-slotted channel hopping for wireless sensor networks. *ACM Transactions on Sensor Networks*, 14(1):3:1–3:??, March 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tague:2007:CSA**

- [TP07] Patrick Tague and Radha Poovendran. A canonical seed assignment model for key pre-distribution in wireless sensor networks. *ACM Transactions*

*on Sensor Networks*, 3(4):19:1–19:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tan:2017:URP**

- [TPM<sup>+</sup>17] Rui Tan, Dennis E. Phillips, Mohammad-Mahdi Moazzami, Guoliang Xing, and Jinzhu Chen. Unsupervised residential power usage monitoring using a wireless sensor network. *ACM Transactions on Sensor Networks*, 13(3):20:1–20:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Thai:2014:DTV**

- [TTBH14] My T. Thai, Ravi Tiwari, Raja Bose, and Abdelsalam Helal. On detection and tracking of variant phenomena clouds. *ACM Transactions on Sensor Networks*, 10(2):34:1–34:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Tan:2013:FBV**

- [TXC<sup>+</sup>13] Rui Tan, Guoliang Xing, Jinzhu Chen, Wen-Zhan Song, and Renjie Huang. Fusion-based volcanic earthquake detection and timing in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(2):17:1–17:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Tan:2013:SLC**
- [TXY<sup>+</sup>13] Rui Tan, Guoliang Xing, Zhao-hui Yuan, Xue Liu, and Jian-guo Yao. System-level calibration for data fusion in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(3): 28:1–28:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Trigoni:2007:WSR**
- [TYD<sup>+</sup>07] Niki Trigoni, Yong Yao, Alan Demers, Johannes Gehrke, and Rajmohan Rajaraman. Wave scheduling and routing in sensor networks. *ACM Transactions on Sensor Networks*, 3(1): ??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Tian:2015:SSH**
- [TYGW15] Jie Tian, Tan Yan, Xin Gao, and Guiling Wang. Scheduling survivability-heterogeneous sensor networks for critical location surveillance. *ACM Transactions on Sensor Networks*, 11(4):56:1–56:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Voukidis:2013:EEW**
- [VAC13] Artemis C. Voukidis, Markos P. Anastasopoulos, and Panayotis G. Cottis. Energy efficiency in wireless sensor networks: a game-theoretic approach based on coalition formation. *ACM Transactions on Sensor Networks*, 9(4):43:1–43:??, July 2013. CODEN ????
- Voulgaris:2016:DNL**
- [VDV16] Spyros Voulgaris, Matthew Dobson, and Maarten Van Steen. Decentralized network-level synchronization in mobile ad hoc networks. *ACM Transactions on Sensor Networks*, 12(1):5:1–5:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Venkatasubramanian:2010:PVB**
- [VG10] Krishna K. Venkatasubramanian and Sandeep K. S. Gupta. Physiological value-based efficient usable security solutions for body sensor networks. *ACM Transactions on Sensor Networks*, 6(4): 31:1–31:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Vicaire:2009:ALT**
- [VHC<sup>+</sup>09] Pascal Vicaire, Tian He, Qing Cao, Ting Yan, Gang Zhou, Lin Gu, Liqian Luo, Radu Stoleru, John A. Stankovic, and Tarek F. Abdelzaher. Achieving long-term surveillance in VigilNet. *ACM Transactions on Sensor Networks*, 5(1):9:1–9:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Vedantam:2010:ADE**
- [VMS10] Satish Vedantam, Urbashi Mitra, and Ashutosh Sabharwal. Asymptotic distortion exponents
- ISSN 1550-4859 (print), 1550-4867 (electronic).

- for the estimation of time-varying channels in multihop sensor networks. *ACM Transactions on Sensor Networks*, 6(4): 33:1–33:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [WB17]
- Verma:2020:QPF**
- [VPB<sup>+</sup>20] Rahul Kumar Verma, K. K. Pattanaik, Sourabh Bharti, Divya Saxena, and Jiannong Cao. A query processing framework for efficient network resource utilization in shared sensor networks. *ACM Transactions on Sensor Networks*, 16(4):31:1–31:28, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3397809>. [WBS10]
- Viswanatha:2015:EER**
- [VRSR15] Kumar Viswanatha, Sharadh Ramaswamy, Ankur Saxena, and Kenneth Rose. Error/erasure-resilient and complexity-constrained zero-delay distributed coding for large-scale sensor networks. *ACM Transactions on Sensor Networks*, 11(2):35:1–35:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [WBS14]
- Viswanathan:2018:EEG**
- [VTY18] Sreejaya Viswanathan, Rui Tan, and David K. Y. Yau. Exploiting electrical grid for accurate and secure clock synchronization. *ACM Transactions on Sensor Networks*, 14(2):12:1–12:??, July 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). [Wang:2017:SNP]
- Wang:2017:SNP**
- Changda Wang and Elisa Bertino. Sensor network provenance compression using dynamic Bayesian networks. *ACM Transactions on Sensor Networks*, 13(1):5:1–5:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wang:2010:DEE**
- Wang:2010:DEE**
- Zijian Wang, Eyuphan Bulut, and Boleslaw K. Szymanski. Distributed energy-efficient target tracking with binary sensor networks. *ACM Transactions on Sensor Networks*, 6(4):32:1–32:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wu:2014:DPF**
- Wu:2014:DPF**
- Xiuchao Wu, Kenneth N. Brown, and Cormac J. Sreenan. Data pre-forwarding for opportunistic data collection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1): 8:1–8:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wettergren:2009:OPD**
- Wettergren:2009:OPD**
- Thomas A. Wettergren and Russell Costa. Optimal placement of distributed sensors against moving targets. *ACM Transactions*

on *Sensor Networks*, 5(3):26:1–26:??, May 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wettergren:2012:OMP**

- [WC12] Thomas A. Wettergren and Russell Costa. Optimal multiobjective placement of distributed sensors against moving targets. *ACM Transactions on Sensor Networks*, 8(3):21:1–21:??, July 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2013:AFV**

- [WC13] Yi Wang and Guohong Cao. Achieving full-view coverage in camera sensor networks. *ACM Transactions on Sensor Networks*, 10(1):3:1–3:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Winkler:2020:OOI**

- [WCPC20] Daniel A. Winkler, Miguel Á. Carreira-Perpiñán, and Alberto E. Cerpa. OPTICS: Optimizing Irrigation Control at Scale. *ACM Transactions on Sensor Networks*, 16(3):22:1–22:38, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372024>.

**Wei:2018:SSA**

- [WCV<sup>+</sup>18] Peter Wei, Xiaoqi Chen, Jordan Vega, Stephen Xia, Rishikanth Chandrasekaran, and Xiaofan

Jiang. A scalable system for apportionment and tracking of energy footprints in commercial buildings. *ACM Transactions on Sensor Networks*, 14(3–4):22:1–22:??, December 2018. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2009:SST**

- [WDLN09] Ronghua Wang, Wenliang Du, Xiaogang Liu, and Peng Ning. ShortPK: a short-term public key scheme for broadcast authentication in sensor networks. *ACM Transactions on Sensor Networks*, 6(1):9:1–9:??, December 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wan:2011:EEC**

- [WEC11] Chieh-Yih Wan, Shane B. Eisenman, and Andrew T. Campbell. Energy-efficient congestion detection and avoidance in sensor networks. *ACM Transactions on Sensor Networks*, 7(4):32:1–32:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wan:2007:OTM**

- [WECC07] Chieh-Yih Wan, Shane B. Eisenman, Andrew T. Campbell, and Jon Crowcroft. Overload traffic management for sensor networks. *ACM Transactions on Sensor Networks*, 3(4):18:1–18:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

- Wu:2016:RFM**
- [WHST16] Fang-Jing Wu, Hsiu-Chi Hsu, Chien-Chung Shen, and Yu-Chee Tseng. Range-free mobile actor relocation in a two-tiered wireless sensor and actor network. *ACM Transactions on Sensor Networks*, 12(2):15:1–15:??, May 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wei:2019:RCE**
- [WHYC19] Bo Wei, Wen Hu, Mingrui Yang, and Chun Tung Chou. From real to complex: Enhancing radio-based activity recognition using complex-valued CSI. *ACM Transactions on Sensor Networks*, 15(3):35:1–35:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3338026](https://dl.acm.org/ft_gateway.cfm?id=3338026).
- Wang:2011:OSM**
- [WIF<sup>+</sup>11] Guiling Wang, Mary Jane Irwin, Haoying Fu, Piotr Berman, Wensheng Zhang, and Tom La Porta. Optimizing sensor movement planning for energy efficiency. *ACM Transactions on Sensor Networks*, 7(4):33:1–33:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Wei:2021:DDS**
- [WJ21] Peter Wei and Xiaofan Jiang. A data-driven system for city-wide energy footprinting and apportionment. *ACM Transactions on Sensor Networks*, 17(2):11:1–11:24, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3433639>.
- Wang:2016:CBS**
- [WJD16] Chen Wang, Hongbo Jiang, and Yan Dong. Connectivity-based space filling curve construction algorithms in high genus 3D surface WSNs. *ACM Transactions on Sensor Networks*, 12(3):22:1–22:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Weiss:2021:DBS**
- [WJZ21] Wolfgang Weiss, Víctor J. Expósito Jiménez, and Herwig Zeiner. Dynamic buffer sizing for out-of-order event compensation for time-sensitive applications. *ACM Transactions on Sensor Networks*, 17(1):1:1–1:23, January 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3410403>.
- Wang:2014:MLA**
- [WKA14] Dong Wang, Lance Kaplan, and Tarek F. Abdelzaher. Maximum likelihood analysis of conflicting observations in social sensing. *ACM Transactions on Sensor Networks*, 10(2):30:1–30:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2017:EWN**

- [WKYH17] Shuai Wang, Song Min Kim, Zhimeng Yin, and Tian He. Encode when necessary: Correlated network coding under unreliable wireless links. *ACM Transactions on Sensor Networks*, 13(1): 7:1–7:??, February 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wan:2014:DDA**

- [WL14] Jiuqing Wan and Li Liu. Distributed data association in smart camera networks using belief propagation. *ACM Transactions on Sensor Networks*, 10(2): 19:1–19:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2010:EED**

- [WLD10] Jing Wang, Yonghe Liu, and Sajal K. Das. Energy-efficient data gathering in wireless sensor networks with asynchronous sampling. *ACM Transactions on Sensor Networks*, 6(3):22:1–22:??, June 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wu:2016:EMC**

- [WLS+16] Yafeng Wu, Kin Sum Liu, John A. Stankovic, Tian He, and Shan Lin. Efficient multichannel communications in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(1): 3:1–3:??, March 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wu:2012:SSM**

- [WLW12] Xiaopei Wu, Mingyan Liu, and Yue Wu. In-situ soil moisture sensing: Optimal sensor placement and field estimation. *ACM Transactions on Sensor Networks*, 8(4):33:1–33:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2020:TEM**

- [WLW+20] Yanyan Wang, Jia Liu, Xia Wang, Xingyu Chen, Yingli Yan, and Lijun Chen. Time-efficient missing tag identification in an open RFID system. *ACM Transactions on Sensor Networks*, 16(3):21:1–21:27, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3386242>.

**Wang:2013:MSA**

- [WLZ13] Dan Wang, Jiangchuan Liu, and Qian Zhang. On mobile sensor assisted field coverage. *ACM Transactions on Sensor Networks*, 9(2):22:1–22:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wu:2019:EIL**

- [WMT+19] Hang Wu, Ziliang Mo, Jiajie Tan, Suining He, and S.-H. Gary Chan. Efficient indoor localization based on geomagnetism. *ACM Transactions on Sensor Networks*, 15(4): 42:1–42:??, October 2019. CODEN ???? ISSN 1550-4859

(print), 1550-4867 (electronic).  
URL [https://dl.acm.org/ft\\_gateway.cfm?id=3342517](https://dl.acm.org/ft_gateway.cfm?id=3342517).

**Wang:2016:FTM**

- [WPL<sup>+</sup>16] Tian Wang, Zhen Peng, Junbin Liang, Sheng Wen, Md Zakirul Alam Bhuiyan, Yiqiao Cai, and Jiannong Cao. Following targets for mobile tracking in wireless sensor networks. *ACM Transactions on Sensor Networks*, 12(4):31:1–31:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2010:MLL**

- [WRS10] Chao Wang, Parameswaran Ramanathan, and Kewal K. Saluja. Modeling latency — lifetime trade-off for target detection in mobile sensor networks. *ACM Transactions on Sensor Networks*, 7(1):8:1–8:??, August 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2011:DSS**

- [WRYL11] Qian Wang, Kui Ren, Shucheng Yu, and Wenjing Lou. Dependable and secure sensor data storage with dynamic integrity assurance. *ACM Transactions on Sensor Networks*, 8(1):9:1–9:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Won:2014:LSG**

- [WS14] Myounggyu Won and Radu Stoleru. A low-stretch-guaranteed

and lightweight geographic routing protocol for large-scale wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):18:1–18:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wu:2022:PFG**

- [WTC22] Hang Wu, Jiajie Tan, and S.-H. Gary Chan. Pedometer-free geomagnetic fingerprinting with casual walking speed. *ACM Transactions on Sensor Networks*, 18(1):8:1–8:21, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3470850>.

**Wang:2016:EEA**

- [WTX<sup>+</sup>16] Yu Wang, Rui Tan, Guoliang Xing, Jianxun Wang, Xiaobo Tan, and Xiaoming Liu. Energy-efficient aquatic environment monitoring using Smartphone-based robots. *ACM Transactions on Sensor Networks*, 12(3):25:1–25:??, August 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Winkler:2019:DDI**

- [WWB<sup>+</sup>19] Daniel A. Winkler, Robert Wang, François Blanchette, Miguel Á. Carreira-Perpiñán, and Alberto E. Cerpa. DICTUM: Distributed Irrigation aCtuation with Turf hUmidity Modeling. *ACM Transactions on Sensor Networks*, 15(4):41:1–41:??, October 2019. CO-

DEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3342514](https://dl.acm.org/ft_gateway.cfm?id=3342514).

**Wang:2011:MMR**

- [WWFX11] Xiaorui Wang, Xiaodong Wang, Xing Fu, and Guoliang Xing. MCRT: Multichannel real-time communications in wireless sensor networks. *ACM Transactions on Sensor Networks*, 8(1):2:1–2:??, August 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wu:2015:SSM**

- [WWL15] Xiaopei Wu, Qingsi Wang, and Mingyan Liu. In-situ soil moisture sensing: Measurement scheduling and estimation using sparse sampling. *ACM Transactions on Sensor Networks*, 11(2):26:1–26:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2016:BTB**

- [WWL+16] Chen Wang, Wei Wei, Hongzhi Lin, Hongbo Jiang, and John C. S. Lui. BLOW-UP: Toward distributed and scalable space filling curve construction in 3D volumetric WSNs. *ACM Transactions on Sensor Networks*, 12(4):30:1–30:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2013:DDD**

- [WWLX13] Xiaodong Wang, Xiaorui Wang, Liu Liu, and Guoliang Xing. DutyCon: a dynamic duty-cycle

control approach to end-to-end delay guarantees in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(4):42:1–42:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2013:MTP**

- [WWXY13] Xiaodong Wang, Xiaorui Wang, Guoliang Xing, and Yanjun Yao. Minimum transmission power configuration in real-time sensor networks with overlapping channels. *ACM Transactions on Sensor Networks*, 9(2):10:1–10:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2021:PPD**

- [WWZ+21] Jing Wang, Libing Wu, Sherali Zeadally, Muhammad Khuram Khan, and Debiao He. Privacy-preserving data aggregation against malicious data mining attack for IoT-enabled smart grid. *ACM Transactions on Sensor Networks*, 17(3):25:1–25:25, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3440249>.

**Wang:2008:SLC**

- [WX08] Chen Wang and Li Xiao. Sensor localization in concave environments. *ACM Transactions on Sensor Networks*, 4(1):3:1–3:??, January 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).



**Wang:2019:EEC**

- [WXL<sup>+</sup>19] Wei Wang, Tiantian Xie, Xin Liu, Yao Yao, and Ting Zhu. ECT: Exploiting cross-technology transmission for reducing packet delivery delay in IoT networks. *ACM Transactions on Sensor Networks*, 15(2):20:1–20:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3293536](https://dl.acm.org/ft_gateway.cfm?id=3293536).

**Wang:2019:CMC**

- [WYY<sup>+</sup>19] Liang Wang, Zhiwen Yu, Dingqi Yang, Tao Ku, Bin Guo, and Huadong Ma. Collaborative mobile crowdsensing in opportunistic D2D networks: a graph-based approach. *ACM Transactions on Sensor Networks*, 15(3):30:1–30:??, August 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3317689](https://dl.acm.org/ft_gateway.cfm?id=3317689).

**Wang:2007:SPP**

- [WZL07] Dan Wang, Qian Zhang, and Jiangchuan Liu. The self-protection problem in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(4):20:1–20:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2008:PNC**

- [WZL08] Dan Wang, Qian Zhang, and Jiangchuan Liu. Partial network coding: Concept, perfor-

mance, and application for continuous data collection in sensor networks. *ACM Transactions on Sensor Networks*, 4(3):14:1–14:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Wang:2021:CQC**

- [WZLM21] Yuting Wang, Xiaolong Zheng, Liang Liu, and Huadong Ma. CoHop: Quantitative correlation-based channel hopping for low-power wireless networks. *ACM Transactions on Sensor Networks*, 17(2):15:1–15:29, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3440248>.

**Wang:2021:SEM**

- [WZZ<sup>+</sup>21] Beilun Wang, Jiaqi Zhang, Yan Zhang, Meng Wang, and Sen Wang. Scalable estimator for multi-task Gaussian graphical models based in an IoT network. *ACM Transactions on Sensor Networks*, 17(3):23:1–23:33, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3432312>.

**Xu:2015:HDA**

- [XAKV15] Xi Xu, Rashid Ansari, Ashfaq Khokhar, and Athanasios V. Vasilakos. Hierarchical data aggregation using compressive sensing (HDACS) in WSNs. *ACM Transactions on Sensor Networks*, 11(3):45:1–45:??,

February 2015. CODEN ????  
ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xiao:2013:RLA**

- [XBWX13] Qingjun Xiao, Kai Bu, Zhijun Wang, and Bin Xiao. Robust localization against outliers in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(2):24:1–24:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2015:OEE**

- [XCC<sup>+</sup>15] Lijie Xu, Guihai Chen, Jian-nong Cao, Shan Lin, Haipeng Dai, Xiaobing Wu, and Fan Wu. Optimizing energy efficiency for minimum latency broadcast in low-duty-cycle sensor networks. *ACM Transactions on Sensor Networks*, 11(4):57:1–57:??, December 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xie:2016:LLI**

- [XCT<sup>+</sup>16] Bo Xie, Kongyang Chen, Guang Tan, Mingming Lu, Yunhuai Liu, Jie Wu, and Tian He. LIPS: a light intensity-based positioning system for indoor environments. *ACM Transactions on Sensor Networks*, 12(4):28:1–28:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2021:SBI**

- [XDM<sup>+</sup>21] Jingao Xu, Erqun Dong, Qiang Ma, Chenshu Wu, and Zheng

Yang. Smartphone-based indoor visual navigation with leader-follower mode. *ACM Transactions on Sensor Networks*, 17(2):18:1–18:22, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3448417>.

**Xia:2014:MMU**

- [XDX<sup>+</sup>14] Ming Xia, Yabo Dong, Wenyuan Xu, Xiangyang Li, and Dongming Lu. MC 2: Multimode user-centric design of wireless sensor networks for long-term monitoring. *ACM Transactions on Sensor Networks*, 10(3):52:1–52:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2021:ECC**

- [XFZ<sup>+</sup>21] Xiaolong Xu, Zijie Fang, Jie Zhang, Qiang He, Dongxiao Yu, Lianyong Qi, and Wanchun Dou. Edge content caching with deep spatiotemporal residual network for IoV in smart city. *ACM Transactions on Sensor Networks*, 17(3):29:1–29:33, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3447032>.

**Xu:2017:GKG**

- [XJR<sup>+</sup>17] Weitao Xu, Chitra Javali, Girish Revadigar, Chengwen Luo, Neil Bergmann, and Wen Hu. Gait-Key: a gait-based shared secret key generation protocol for wearable devices. *ACM Transactions*

on *Sensor Networks*, 13(1):6:1–6:??, February 2017. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2022:ACC**

[XRS10]

[XKW<sup>+</sup>22] Ran Xu, Rakesh Kumar, Pengcheng Wang, Peter Bai, Ganga Meghanath, Somali Chaterji, Subrata Mitra, and Saurabh Bagchi. ApproxNet: Content and contention-aware video object classification system for embedded clients. *ACM Transactions on Sensor Networks*, 18(1):11:1–11:27, February 2022. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3463530>.

**Xing:2007:MPC**

[XLZ<sup>+</sup>07] Guoliang Xing, Chenyang Lu, Ying Zhang, Qingfeng Huang, and Robert Pless. Minimum power configuration for wireless communication in sensor networks. *ACM Transactions on Sensor Networks*, 3(2):11:1–11:??, June 2007. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2013:RTR**

[XRH<sup>+</sup>13] Yinsheng Xu, Fengyuan Ren, Tao He, Chuang Lin, Canfeng Chen, and Sajal K. Das. Real-time routing in wireless sensor networks: a potential field approach. *ACM Transactions on Sensor Networks*, 9(3):35:1–35:??, May 2013. CODEN ?????

ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2010:CGM**

Xiaochun Xu, Nageswara S. V. Rao, and Sartaj Sahni. A computational geometry method for localization using differences of distances. *ACM Transactions on Sensor Networks*, 6(2):10:1–10:??, February 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xu:2008:DWS**

[XTZ08]

Wenyuan Xu, Wade Trappe, and Yanyong Zhang. Defending wireless sensor networks from radio interference through channel adaptation. *ACM Transactions on Sensor Networks*, 4(4):18:1–18:??, August 2008. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xiong:2012:CBP**

[XWDN12]

Kaiqi Xiong, Ronghua Wang, Wenliang Du, and Peng Ning. Containing bogus packet insertion attacks for broadcast authentication in sensor networks. *ACM Transactions on Sensor Networks*, 8(3):20:1–20:??, July 2012. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Xing:2020:DRL**

[XWW<sup>+</sup>20]

Tianzhang Xing, Qing Wang, Chase Q. Wu, Wei Xi, and Xiaojiang Chen. dWatch: a reliable and low-power drowsiness detection system for drivers based on

- mobile devices. *ACM Transactions on Sensor Networks*, 16(4):37:1–37:22, October 2020. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3407899>.
- [XWZ<sup>+</sup>05] Guoliang Xing, Xiaorui Wang, Yuanfang Zhang, Chenyang Lu, Robert Pless, and Christopher Gill. Integrated coverage and connectivity configuration for energy conservation in sensor networks. *ACM Transactions on Sensor Networks*, 1(1):36–72, August 2005. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [XXHL16] Miao Xu, Wenyuan Xu, Tingrui Han, and Zhiyun Lin. Energy-efficient time synchronization in wireless sensor networks via temperature-aware compensation. *ACM Transactions on Sensor Networks*, 12(2):12:1–12:??, May 2016. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [XYW<sup>+</sup>22] Lei Xie, Peicheng Yang, Chuyu Wang, Tao Gu, Gaolei Duan, Xinran Lu, and Sanglu Lu. Gait-Tracker: 3D skeletal tracking for gait analysis based on inertial measurement units. *ACM Transactions on Sensor Networks*, 18(2):27:1–27:27, May 2022. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3502722>.
- [XZL<sup>+</sup>20] Zichuan Xu, Zhiheng Zhang, Weifa Liang, Qiufen Xia, Omer Rana, and Guowei Wu. QoS-aware VNF placement and service chaining for IoT applications in multi-tier mobile edge networks. *ACM Transactions on Sensor Networks*, 16(3):23:1–23:27, August 2020. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3387705>.
- [YB17] Xiaohan Yu and Seung Jun Baek. Energy-efficient collection of sparse data in wireless sensor networks using sparse random matrices. *ACM Transactions on Sensor Networks*, 13(3):22:1–22:??, September 2017. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YCL<sup>+</sup>19] Ruiyun Yu, Jiannong Cao, Rui Liu, Wenyu Gao, Xingwei Wang, and Junbin Liang. Participant incentive mechanism toward quality-oriented sensing: Understanding and application. *ACM Transactions on Sensor Networks*, 15(2):21:1–21:??, April 2019. CODEN ????. ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3387705>.

<b>Xu:2020:QAV</b>
--------------------

<b>Xing:2005:ICC</b>
----------------------

<b>Xu:2016:EET</b>
--------------------

<b>Xie:2022:GST</b>
---------------------

<b>Yu:2017:EEC</b>
--------------------

<b>Yu:2019:PIM</b>
--------------------

- acm.org/ft\_gateway.cfm?id=3303703.
- [YH13] **Yang:2013:ASS**  
Ou Yang and Wendi Heinzelman. An adaptive sensor sleeping solution based on sleeping multipath routing and duty-cycled MAC protocols. *ACM Transactions on Sensor Networks*, 10(1):10:1–10:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YJWL13] **Yang:2013:BTI**  
Zheng Yang, Lirong Jian, Chen-shu Wu, and Yunhao Liu. Beyond triangle inequality: Sifting noisy and outlier distance measurements for localization. *ACM Transactions on Sensor Networks*, 9(2):26:1–26:??, March 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YLL13] **Yen:2013:DLM**  
Li-Hsing Yen, Che-Ming Lin, and Victor C. M. Leung. Distributed lifetime-maximized target coverage game. *ACM Transactions on Sensor Networks*, 9(4):46:1–46:??, July 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YLSZ19] **Yang:2019:NAK**  
Zheng Yang, Junyu Lai, Yingbing Sun, and Jianying Zhou. A novel authenticated key agreement protocol with dynamic credential for WSNs. *ACM Transactions on Sensor Networks*, 15(2):22:1–22:??, April 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3303704](https://dl.acm.org/ft_gateway.cfm?id=3303704).
- [YM14] **Yang:2014:DOL**  
Shusen Yang and Julie A. McCann. Distributed optimal lexicographic max-min rate allocation in solar-powered wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(1):9:1–9:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YPW+13] **Yuan:2013:STA**  
Yi Yuan, Dawei Pan, Dan Wang, Xiaohua Xu, Yu Peng, Xiyuan Peng, and Peng-Jun Wan. A study towards applying thermal inertia for energy conservation in rooms. *ACM Transactions on Sensor Networks*, 10(1):7:1–7:??, November 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YPZ+17] **Yang:2017:VSS**  
Zhicheng Yang, Parth H. Pathak, Yunze Zeng, Xixi Liran, and Prasant Mohapatra. Vital sign and sleep monitoring using millimeter wave. *ACM Transactions on Sensor Networks*, 13(2):14:1–14:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YRB+17] **Yoon:2017:FBC**  
Hee Jung Yoon, Ho-Kyeong RA, Can Basaran, Sang Hyuk

- Son, Taejoon Park, and Jeonggil Ko. Fuzzy bin-based classification for detecting children's presence with 3D depth cameras. *ACM Transactions on Sensor Networks*, 13(3):21:1–21:??, September 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YSZC13] Yi Yang, Min Shao, Sencun Zhu, and Guohong Cao. Towards statistically strong source anonymity for sensor networks. *ACM Transactions on Sensor Networks*, 9(3):34:1–34:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Yoon:2007:CAC] Sunhee Yoon and Cyrus Shahabi. The Clustered AGgregation (CAG) technique leveraging spatial and temporal correlations in wireless sensor networks. *ACM Transactions on Sensor Networks*, 3(1):??, March 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YTB+14] Zuoming Yu, Jin Teng, Xiaole Bai, Dong Xuan, and Weijia Jia. Connected coverage in wireless networks with directional antennas. *ACM Transactions on Sensor Networks*, 10(3):51:1–51:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YSK+15] Yong Yang, Lu Su, Mohammad Khan, Michael Lemay, Tarek Abdelzaher, and Jiawei Han. Power-based diagnosis of node silence in remote high-end sensing systems. *ACM Transactions on Sensor Networks*, 11(2):33:1–33:??, February 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Yap:2008:MWA] Kok-KIONG Yap, Vikram Srivasan, and Mehul Motani. MAX: Wide area human-centric search of the physical world. *ACM Transactions on Sensor Networks*, 4(4):26:1–26:??, August 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [YTR+22] Fan Yang, Ashok Samraj Thangarajan, Gowri Sankar Ramachandran, Wouter Joosen, and Danny Hughes. AsSTAR: Sustainable energy harvesting for the Internet of Things through adaptive task scheduling. *ACM Transactions on Sensor Networks*, 18(1):4:1–4:34, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3467894>.
- [Yang:2013:TSS] Yi Yang, Min Shao, Sencun Zhu, and Guohong Cao. Towards statistically strong source anonymity for sensor networks. *ACM Transactions on Sensor Networks*, 9(3):34:1–34:??, May 2013. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Yu:2014:CCW] Zuoming Yu, Jin Teng, Xiaole Bai, Dong Xuan, and Weijia Jia. Connected coverage in wireless networks with directional antennas. *ACM Transactions on Sensor Networks*, 10(3):51:1–51:??, April 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).
- [Yang:2022:ASE] Fan Yang, Ashok Samraj Thangarajan, Gowri Sankar Ramachandran, Wouter Joosen, and Danny Hughes. AsSTAR: Sustainable energy harvesting for the Internet of Things through adaptive task scheduling. *ACM Transactions on Sensor Networks*, 18(1):4:1–4:34, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3467894>.

**Yoon:2007:TST**

- [YVS07] Suyoung Yoon, Chanchai Veerarithiphan, and Mihail L. Sichi-  
tiu. Tiny-sync: Tight time syn-  
chronization for wireless sensor  
networks. *ACM Transactions  
on Sensor Networks*, 3(2):8:1–  
8:??, June 2007. CODEN ????  
ISSN 1550-4859 (print), 1550-  
4867 (electronic).

**Yang:2021:MMN**

- [YWD<sup>+</sup>21] Panlong Yang, Tao Wu, Haipeng  
Dai, Xunpeng Rao, Xiaoyu  
Wang, Peng-Jun Wan, and Xin  
He. MORE: Multi-node mobile  
charging scheduling for dead-  
line constraints. *ACM Trans-  
actions on Sensor Networks*, 17  
(1):7:1–7:21, January 2021. CO-  
DEN ???? ISSN 1550-  
4859 (print), 1550-4867 (elec-  
tronic). URL [https://dl.acm.  
org/doi/10.1145/3410454](https://dl.acm.org/doi/10.1145/3410454).

**Yin:2017:THM**

- [YXFL17] Yafeng Yin, Lei Xie, Yuanyuan  
Fan, and Sanglu Lu. Tracking  
human motions in photograph-  
ing: a context-aware energy-  
saving scheme for smart phones.  
*ACM Transactions on Sensor  
Networks*, 13(4):29:1–29:??, De-  
cember 2017. CODEN ????  
ISSN 1550-4859 (print), 1550-  
4867 (electronic).

**Yin:2019:ABC**

- [YXG<sup>+</sup>19] Yafeng Yin, Lei Xie, Tao Gu, Yi-  
jia Lu, and Sanglu Lu. AirCon-  
tour: Building contour-based  
model for in-air writing ges-

ture recognition. *ACM Transac-  
tions on Sensor Networks*, 15(4):  
44:1–44:??, October 2019. CO-  
DEN ???? ISSN 1550-4859  
(print), 1550-4867 (electronic).  
URL [https://dl.acm.org/ft\\_  
gateway.cfm?id=3343855](https://dl.acm.org/ft_gateway.cfm?id=3343855).

**Yin:2019:SBM**

- [YYC<sup>+</sup>19] Junjie Yin, Zheng Yang, Hao  
Cao, Tongtong Liu, Zimu Zhou,  
and Chenshu Wu. A survey on  
Bluetooth 5.0 and Mesh: New  
milestones of IoT. *ACM Trans-  
actions on Sensor Networks*,  
15(3):28:1–28:??, August 2019.  
CODEN ???? ISSN 1550-4859  
(print), 1550-4867 (electronic).  
URL [https://dl.acm.org/ft\\_  
gateway.cfm?id=3317687](https://dl.acm.org/ft_gateway.cfm?id=3317687).

**Yau:2010:QMS**

- [YYM<sup>+</sup>10] David K. Y. Yau, Nung Kwan  
Yip, Chris Y. T. Ma, Nageswara  
S. V. Rao, and Mallikarjun  
Shankar. Quality of monitoring  
of stochastic events by periodic  
and proportional-share schedul-  
ing of sensor coverage. *ACM  
Transactions on Sensor Net-  
works*, 7(2):18:1–18:??, August  
2010. CODEN ???? ISSN 1550-  
4859 (print), 1550-4867 (elec-  
tronic).

**Yin:2008:ARU**

- [YYSL08] Jie Yin, Qiang Yang, Dou Shen,  
and Ze-Nian Li. Activity recog-  
nition via user-trace segmenta-  
tion. *ACM Transactions on Sen-  
sor Networks*, 4(4):19:1–19:??,  
August 2008. CODEN ????

ISSN 1550-4859 (print), 1550-4867 (electronic).

**Yan:2022:OBU**

- [YYXL22] Yubo Yan, Panlong Yang, Jie Xiong, and Xiang-Yang Li. OpenCarrier: Breaking the user limit for uplink MU-MIMO transmissions with coordinated APs. *ACM Transactions on Sensor Networks*, 18(2):19:1–19:21, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3488382>.

**Zheng:2007:LUB**

- [ZBA07] Yunhui Zheng, David J. Brady, and Pankaj K. Agarwal. Localization using boundary sensors: an analysis based on graph theory. *ACM Transactions on Sensor Networks*, 3(4):21:1–21:??, October 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhang:2014:AIP**

- [ZCLJ14] Hongwei Zhang, Xin Che, Xiaohui Liu, and Xi Ju. Adaptive instantiation of the protocol interference model in wireless networked sensing and control. *ACM Transactions on Sensor Networks*, 10(2):28:1–28:??, January 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhou:2009:VRC**

- [ZDG09] Zongheng Zhou, Samir R. Das, and Himanshu Gupta. Variable

radii connected sensor cover in sensor networks. *ACM Transactions on Sensor Networks*, 5(1):8:1–8:??, February 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhao:2021:LLD**

- [ZDS+21] Guangrong Zhao, Bowen Du, Yiran Shen, Zhenyu Lao, Lizhen Cui, and Hongkai Wen. LeAD: Learn to decode vibration-based communication for intelligent Internet of Things. *ACM Transactions on Sensor Networks*, 17(3):26:1–26:25, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3440250>.

**Zhu:2010:FTR**

- [ZDW+10] Mengxia Zhu, Song Ding, Qishi Wu, R. R. Brooks, N. S. V. Rao, and S. S. Iyengar. Fusion of threshold rules for target detection in wireless sensor networks. *ACM Transactions on Sensor Networks*, 6(2):18:1–18:??, February 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhu:2021:DBA**

- [ZGH+21] Yi Zhu, Abhishek Gupta, Shaohan Hu, Weida Zhong, Lu Su, and Chunming Qiao. Driver behavior-aware parking availability crowdsensing system using truth discovery. *ACM Transactions on Sensor Networks*, 17(4):41:1–41:26, July 2021. CODEN ???? ISSN 1550-



4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3460200>.

**Zhu:2012:ALT**

- [ZGHZ12] Ting Zhu, Yu Gu, Tian He, and Zhi-Li Zhang. Achieving long-term operation with a capacitor-driven energy storage and sharing network. *ACM Transactions on Sensor Networks*, 8(4):32:1–32:??, September 2012. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhang:2022:LQE**

- [ZGJ<sup>+</sup>22] Jia Zhang, Xiuzhen Guo, Hao-tian Jiang, Xiaolong Zheng, and Yuan He. Link quality estimation of cross-technology communication: The case with physical-level emulation. *ACM Transactions on Sensor Networks*, 18(1):14:1–14:20, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3482527>.

**Zhu:2011:SNL**

- [ZGT11] Yuanchen Zhu, Steven J. Gortler, and Dylan Thurston. Sensor network localization using sensor perturbation. *ACM Transactions on Sensor Networks*, 7(4):36:1–36:??, February 2011. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhao:2016:CCA**

- [ZGX<sup>+</sup>16] Yawei Zhao, Deke Guo, Jia Xu, Pin Lv, Tao Chen, and

Jianping Yin. CATS: Cooperative allocation of tasks and scheduling of sampling intervals for maximizing data sharing in WSNs. *ACM Transactions on Sensor Networks*, 12(4):29:1–29:??, November 2016. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhang:2005:UBL**

- [ZH05] Honghai Zhang and Jennifer C. Hou. On the upper bound of  $\alpha$ -lifetime for large sensor networks. *ACM Transactions on Sensor Networks*, 1(2):272–300, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhao:2005:I**

- [Zha05] Feng Zhao. Introduction. *ACM Transactions on Sensor Networks*, 1(1):1–2, August 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zarepour:2017:SSE**

- [ZHCA17] Eisa Zarepour, Mahbub Hassan, Chun Tung Chou, and Adesoji A. Adesina. SEMON: Sensorless event monitoring in self-powered wireless nanosensor networks. *ACM Transactions on Sensor Networks*, 13(2):15:1–15:??, June 2017. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhu:2020:RAH**

- [ZHJ<sup>+</sup>20] Shaoyi Zhu, Weiqing Huang, Chenggang Jia, Siye Wang, Bowen Li, and Yanfang Zhang.

- RF-AMOC: Human-related RFID tag movement identification in access management of carries. *ACM Transactions on Sensor Networks*, 16(4):33:1–33:23, October 2020. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3399678>. [ZJX10]
- Zhou:2006:MSR**
- [ZHKS06] Gang Zhou, Tian He, Sudha Krishnamurthy, and John A. Stankovic. Models and solutions for radio irregularity in wireless sensor networks. *ACM Transactions on Sensor Networks*, 2(2):221–262, May 2006. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2015:GND**
- [ZHL<sup>+</sup>15] Desheng Zhang, Tian He, Yunhuai Liu, Yu Gu, Fan Ye, Raghu K. Ganti, and Hui Lei. Generic neighbor discovery accelerations in mobile applications. *ACM Transactions on Sensor Networks*, 11(4):63:1–63:??, December 2015. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2016:CSL**
- [ZHZ<sup>+</sup>16] Desheng Zhang, Tian He, Fan Zhang, Mingming Lu, Yunhuai Liu, Haengju Lee, and Sang H. Son. Carpooling service for large-scale taxicab networks. *ACM Transactions on Sensor Networks*, 12(3):18:1–18:??, August 2016. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2010:RTD**
- Jun Zhang, Xiaohua Jia, and Guoliang Xing. Real-time data aggregation in contention-based wireless sensor networks. *ACM Transactions on Sensor Networks*, 7(1):2:1–2:??, August 2010. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2012:ACI**
- [ZJZ12] Jun Zhang, Xiaohua Jia, and Yuan Zhou. Analysis of capacity improvement by directional antennas in wireless sensor networks. *ACM Transactions on Sensor Networks*, 9(1):3:1–3:??, November 2012. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zamalloa:2007:AUA**
- [ZK07] Marco Zúñiga Zamalloa and Bhaskar Krishnamachari. An analysis of unreliability and asymmetry in low-power wireless links. *ACM Transactions on Sensor Networks*, 3(2):7:1–7:??, June 2007. CODEN ????? ISSN 1550-4859 (print), 1550-4867 (electronic).
- Zhang:2010:DMM**
- [ZKS10] Zhiguo Zhang, Ajay D. Kshemkalyani, and Sol M. Shatz. Dynamic multiroot, multiquery processing based on data sharing in sensor networks. *ACM Transactions on Sensor Networks*, 6(3):

25:1–25:??, June 2010. CODEN  
???? ISSN 1550-4859 (print),  
1550-4867 (electronic).

**Zhang:2010:RPA**

- [ZLGG10] Lei Zhang, Ligang Liu, Craig Gotsman, and Steven J. Gortler. An as-rigid-as-possible approach to sensor network localization. *ACM Transactions on Sensor Networks*, 6(4):35:1–35:??, July 2010. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhu:2019:BSB**

- [ZLGL19] Tongxin Zhu, Jianzhong Li, Hong Gao, and Yingshu Li. Broadcast scheduling in battery-free wireless sensor networks. *ACM Transactions on Sensor Networks*, 15(4):49:1–49:??, October 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3356472](https://dl.acm.org/ft_gateway.cfm?id=3356472).

**Zhu:2020:LED**

- [ZLGL20] Tongxin Zhu, Jianzhong Li, Hong Gao, and Yingshu Li. Latency-efficient data collection scheduling in battery-free wireless sensor networks. *ACM Transactions on Sensor Networks*, 16(3):25:1–25:21, August 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3390956>.

**Zhou:2022:CSB**

- [ZLL+22] Siwang Zhou, Yi Lian, Daibo

Liu, Hongbo Jiang, Yonghe Liu, and Keqin Li. Compressive sensing based distributed data storage for mobile crowdsensing. *ACM Transactions on Sensor Networks*, 18(2):25:1–25:21, May 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3498321>.

**Zhang:2015:ARF**

- [ZLW+15] Shigeng Zhang, Xuan Liu, Jianxin Wang, Jiannong Cao, and Geyong Min. Accurate range-free localization for anisotropic wireless sensor networks. *ACM Transactions on Sensor Networks*, 11(3):51:1–51:??, May 2015. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhang:2019:WEM**

- [ZLYW19] Qian Zhang, Fan Li, Song Yang, and Yu Wang. W3W: Energy management of hybrid energy supplied sensors for Internet of Things. *ACM Transactions on Sensor Networks*, 15(1):10:1–10:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3280964](https://dl.acm.org/ft_gateway.cfm?id=3280964).

**Zhang:2021:EED**

- [ZLZ21] Yufan Zhang, Ertao Li, and Yi-Hua Zhu. Energy-efficient dual-codebook-based backscatter communications for wireless powered networks. *ACM Transactions on Sensor Networks*, 17

(1):9:1–9:20, January 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3426885>.

**Zordan:2014:PLC**

[ZMVR14] Davide Zordan, Borja Martinez, Ignasi Vilajosana, and Michele Rossi. On the performance of lossy compression schemes for energy constrained sensor networking. *ACM Transactions on Sensor Networks*, 11(1):15:1–15:??, August 2014. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhu:2009:SSF**

[ZSG09] Xianjin Zhu, Rik Sarkar, and Jie Gao. Segmenting a sensor field: Algorithms and applications in network design. *ACM Transactions on Sensor Networks*, 5(2):12:1–12:??, March 2009. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhu:2006:LES**

[ZSJ06] Sencun Zhu, Sanjeev Setia, and Sushil Jajodia. LEAP+: Efficient security mechanisms for large-scale distributed sensor networks. *ACM Transactions on Sensor Networks*, 2(4):500–528, November 2006. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhu:2007:IHH**

[ZSJN07] Sencun Zhu, Sanjeev Setia, Sushil Jajodia, and Peng Ning.

Interleaved hop-by-hop authentication against false data injection attacks in sensor networks. *ACM Transactions on Sensor Networks*, 3(3):14:1–14:??, August 2007. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zamalloa:2008:EGR**

[ZSKH08] Marco Zúñiga Zamalloa, Karim Seada, Bhaskar Krishnamachari, and Ahmed Helmy. Efficient geographic routing over lossy links in wireless sensor networks. *ACM Transactions on Sensor Networks*, 4(3):12:1–12:??, May 2008. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhao:2020:DPS**

[ZSZ20] Ping Zhao, Jiaxin Sun, and Guanglin Zhang. DAML: Practical secure protocol for data aggregation based on machine learning. *ACM Transactions on Sensor Networks*, 16(4):34:1–34:18, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3404192>.

**Zheng:2010:ODD**

[ZVPS10] Rong Zheng, Khuong Vu, Amit Pendharkar, and Gangbing Song. Obstacle discovery in distributed actuator and sensor networks. *ACM Transactions on Sensor Networks*, 7(3):22:1–22:??, September 2010. CODEN

???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zhang:2005:ODS**

- [ZW05] Xin Zhang and Stephen B. Wicker. On the optimal distribution of sensors in a random field. *ACM Transactions on Sensor Networks*, 1(2):301–306, November 2005. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic).

**Zheng:2020:UMM**

- [ZWWZ20] Zimu Zheng, Feng Wang, Dan Wang, and Liang Zhang. An urban mobility model with buildings involved: Bridging theory to practice. *ACM Transactions on Sensor Networks*, 16(1):10:1–10:24, February 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3366689>.

**Zhou:2021:DSS**

- [ZWY21] Pengzhan Zhou, Cong Wang, and Yuanyuan Yang. Design of self-sustainable wireless sensor networks with energy harvesting and wireless charging. *ACM Transactions on Sensor Networks*, 17(4):45:1–45:38, July 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3459081>.

**Zhang:2019:DEF**

- [ZYZ+19] Qingquan Zhang, Yao Yao, Ting Zhu, Ziqiao Zhou, Wei Xu, Ping Yi, and Sheng Xiao. Dynamic

enhanced field division: an advanced localizing and tracking middleware. *ACM Transactions on Sensor Networks*, 15(1):2:1–2:??, February 2019. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL [https://dl.acm.org/ft\\_gateway.cfm?id=3216721](https://dl.acm.org/ft_gateway.cfm?id=3216721).

**Zhang:2021:PLB**

- [ZZ21] Yifan Zhang and Xinglin Zhang. Price learning-based incentive mechanism for mobile crowd sensing. *ACM Transactions on Sensor Networks*, 17(2):17:1–17:24, June 2021. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3447622>.

**Zhao:2020:UST**

- [ZZX+20] Yi Zhao, Zimu Zhou, Wang Xu, Tongtong Liu, and Zheng Yang. Urban scale trade area characterization for commercial districts with cellular footprints. *ACM Transactions on Sensor Networks*, 16(4):42:1–42:20, October 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3412372>.

**Zhang:2020:CAD**

- [ZZZ+20] Jianhui Zhang, Siwen Zheng, Tianhao Zhang, Mengmeng Wang, and Zhi Li. Charge-aware duty cycling methods for wireless systems under energy harvesting heterogeneity. *ACM Transactions on*

*Sensor Networks*, 16(2):15:1–15:23, April 2020. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372800>.

**Zhang:2022:GTU**

- [ZZZ<sup>+</sup>22] Yi Zhang, Yue Zheng, Guidong Zhang, Kun Qian, Chen Qian, and Zheng Yang. GaitSense: Towards ubiquitous gait-based human identification with Wi-Fi. *ACM Transactions on Sensor Networks*, 18(1):1:1–1:24, February 2022. CODEN ???? ISSN 1550-4859 (print), 1550-4867 (electronic). URL <https://dl.acm.org/doi/10.1145/3466638>.