

# A Complete Bibliography of *ACM Transactions on Autonomous and Adaptive Systems (TAAS)*

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## Title word cross-reference

*p* [BDMP12].

**-persistent** [BDMP12].

**2012** [Edi14]. **2013** [PH15]. **2014** [BE16].  
**2015** [SI17]. **2016** [CPS17].

**3PC** [HSM<sup>+</sup>12].

**802.15.4** [BRDA16].

**Access** [VMG14, KM08]. **Accesses**  
[WVT<sup>+</sup>17]. **Accurate** [JH13]. **Achieving**  
[HL13]. **ACM** [FMVC14]. **acquisition**  
[FFJ<sup>+</sup>12]. **Action** [Gab11]. **Actuation**  
[MM17]. **actuator** [MPBMP<sup>+</sup>10]. **Ad**  
[CW11, MR11, PRJ11, SLJS08]. **Adaptare**  
[DCL<sup>+</sup>12]. **Adaptation** [AMG18, BVPD17,  
CMGS16, CLSS<sup>+</sup>13, EYCM16, FMVC14,  
GGPTRC16, KKK<sup>+</sup>16, MCGS18, RMKM17,  
DCL<sup>+</sup>12, KGJ12, PSB<sup>+</sup>12, ZP12].  
**adaptative** [HKR08]. **Adapting**  
[HAMR13, RTN<sup>+</sup>17]. **Adaptive**  
[AA16, APSM18, ARS17, Bak11, BSS<sup>+</sup>14,  
BUL<sup>+</sup>18, BWW<sup>+</sup>17, BRDA16, CHC16,  
CY07, FMA<sup>+</sup>17, HSL<sup>+</sup>07, DW15, IJDZ16,  
KCH14, LZ13, LVP15, LEC<sup>+</sup>15, LCT<sup>+</sup>18,  
LXX<sup>+</sup>14, MVV14, ONC17, SGP13, ST13,  
SHRB13, SQX<sup>+</sup>07, VMG14, VG14,  
WCW<sup>+</sup>17, XLXZ14, ZSLG16, AGLV10,  
BDMP12, BN12, FRL09, GPTW13, HSM<sup>+</sup>12,  
KGJ08, LPZZ09, MIRG06, PDCE11, ST09,  
WXZ10, WMA12, XVYH11, YTW08, ZS09].

**Adaptiveness** [PSPR15]. **Adaptivity** [SMSQ<sup>+</sup>10]. **Adding** [CEK14]. **Admission** [GSD08]. **Advantage** [BMS11]. **affect** [KIW06]. **against** [DXP14, KD07, LXX<sup>+</sup>14]. **Agent** [AA16, ADV16, CLSS<sup>+</sup>13, CW14, GR08, LV07, MDC17, PPB17, WCW<sup>+</sup>17, FRL09, GCC06, HKR08, KGJ12, Pos07, WHH<sup>+</sup>10b, WHH10a]. **agent-based** [GCC06]. **AgentLink** [POPM07]. **Agents** [FCD<sup>+</sup>18, RH16, JI07, MIRG06, PPSM07]. **Agile** [USC<sup>+</sup>08]. **Agilla** [FRL09]. **AID** [ZS09]. **Airborne** [BUL<sup>+</sup>18]. **Algorithm** [BRDA16, RPG<sup>+</sup>15, SBMM17, APA12, MHZ13, SLJS08]. **Algorithmic** [WV18]. **Algorithms** [BSS<sup>+</sup>14, CFGM16, DP16, FMSA11, Gab11, SCC17, BN12, DKMD11, FMS08, KGJ08, PB13, WDTS11]. **Allocation** [ASS<sup>+</sup>15, JZL15, ZCS12]. **ambient** [AGLV10, DHC10, Her10, LV10]. **A}nalysis** [BCF<sup>+</sup>08, GGPTRC16, KTK<sup>+</sup>16, SGP13, SBMM17, Lit07]. **Analyzing** [CMGS16, WNV12a]. **Anomaly** [IJDZ16, ZS09]. **Anonymity** [BR11]. **Anonymous** [DK12, MT09]. **Ant** [SLJS08, LDD06, PB13]. **Ant-based** [SLJS08]. **Anycast** [CW11]. **Application** [GCC06, LR12, PSB<sup>+</sup>12]. **Applications** [BDLM11, FBL18, GB14, HBDD14, LCT<sup>+</sup>18, LDC<sup>+</sup>18, MS15, MVV14, SHRB13, ZSLG16, AGLV10, CSLZ10, LS09, USC<sup>+</sup>08]. **Approach** [CMRZ15, CLW<sup>+</sup>14, DLPT14, Gab11, JAJ<sup>+</sup>18, MVV14, Men16, VMG14, VGR<sup>+</sup>15, WVT<sup>+</sup>17, AVC09, GPTW13, GYSD08, GR10, LV07, PSB<sup>+</sup>12, PSFC12, XVYH11]. **approaches** [KGJ12]. **approximation** [PB13]. **Arbitrary** [MG11]. **Architecture** [FDMD15, HKR08]. **Area** [HBDD14]. **Array** [PSPR15]. **Arrays** [HMF<sup>+</sup>15]. **Articles** [FMVC14]. **Artificial** [CHC16]. **Assembly** [FP17, GR10, TGT<sup>+</sup>06]. **association** [DHC10]. **Asynchrony** [BR11]. **Attacks** [BSS<sup>+</sup>14]. **Attributed** [HEC<sup>+</sup>16]. **Auction** [TVKB16, ZCS12]. **Augmented** [IJDZ16]. **Auto** [DRPQ14, LDC<sup>+</sup>18]. **Auto-Profiling** [LDC<sup>+</sup>18]. **AutoHome** [BDLM11]. **Automated** [FE12, KIW06, MLsRA<sup>+</sup>15]. **automatic** [CLHX12, DCL<sup>+</sup>12]. **automatically** [YTW08]. **Automaton** [MG11]. **Autonomic** [AOK11, BBC<sup>+</sup>11, BDLM11, DXP14, DLPT14, DC12, IA18, LZ13, MHP<sup>+</sup>12, AVC09, DDF<sup>+</sup>06, KM08, LS09, Lit07, XVYH11]. **Autonomous** [BCC<sup>+</sup>17, BWV<sup>+</sup>17, FCD<sup>+</sup>18, Gab11, MPBMP<sup>+</sup>10, SMHP15, WNV12a, WNV12b]. **AutoPlacer** [PRRR15]. **Availability** [RDKB15, LLL12]. **Aware** [CMGS16, FCD<sup>+</sup>18, MCGS18, FS09, GSD08]. **Awareness** [LV07, PRJ11]. **Axiomatization** [PSA12].

**backend** [SA06]. **Balancing** [JZL15, AHM09, GYP12]. **base** [LR12]. **Based** [AA16, BBDB15, CLW<sup>+</sup>14, CMP13, IA18, KKK<sup>+</sup>18b, LZ13, MS15, MM17, MDC17, MBB11, DRVF14, AVC09, BDMP12, CSLZ10, DHC10, FS09, GR08, GCC06, LLL12, MZ07, MIRG06, PDCE11, SLJS08, WS10, XLX12, FB15]. **Batching** [CGJZ15]. **Bayesian** [Mam11]. **Behavior** [KTK<sup>+</sup>16, PDCE11, LDD06]. **Behavior-based** [PDCE11]. **Behaviors** [BBC<sup>+</sup>11, DW15]. **Best** [BE16, CPS17, Edi14, FMVC14, PH15, SI17, VDK16]. **Bilateral** [CW14]. **Billing** [RB17]. **Binary** [GMMB15]. **Bio** [GMM12, FMS08]. **Bio-Inspired** [GMM12, FMS08]. **biology** [BCD<sup>+</sup>06]. **Bionic** [DXP14]. **Bird** [MR11]. **Birth** [KD16]. **Birth-Death** [KD16]. **BitTorrent** [LXX<sup>+</sup>14]. **BizOps** [FBL18]. **block** [GYSD08]. **bootstrapping** [MT09]. **boundary** [GJM12]. **bounding** [SLJS08]. **Budget** [RB17]. **Budget-Driven** [RB17]. **Build** [RH16]. **built** [ZS09].

**CAAC** [VMG14]. **Cache** [LCT<sup>+</sup>18]. **call** [PDCE11]. **Camera** [LEC<sup>+</sup>15, MM17].

**Capacity** [WUK<sup>+</sup>18]. **Capital** [PPB17]. **Case** [GMM12]. **causal** [PRJ11]. **Cellular** [MG11]. **Centralized** [ZCS12]. **Centric** [GGPTRC16, LVP15]. **Certification** [ST13]. **Challenges** [PSA12, ST09]. **Changing** [KKK<sup>+</sup>16, FFJ<sup>+</sup>12]. **characterization** [GL08]. **Characterizing** [RTN<sup>+</sup>17]. **Checking** [BBDB15, HSL<sup>+</sup>07]. **checkpoints** [CY07]. **Chemical** [VCMZ11]. **Chemical-Inspired** [VCMZ11]. **Choosing** [LLL12]. **Chowkidar** [BLK<sup>+</sup>09]. **churn** [LMSM12]. **churn-resilient** [LMSM12]. **Circle** [DLIP08]. **class** [KGJ08]. **Cloud** [JH13, KIW06]. **Cloud** [FBL18, GB14, TVKB16, WVT<sup>+</sup>17, WUK<sup>+</sup>18, ZSLG16]. **Clouds** [GS18, RB17]. **Clustering** [dASH16, GR08, QPGS12, ZCS12]. **Clusters** [LWQL16, dASH16, SA06]. **Cluttered** [KLWS16]. **Coalition** [PBARA14]. **coevolution** [WNV12b]. **Cognitive** [CMP13, MPC<sup>+</sup>15]. **Collaborative** [RH16, LV07]. **Collective** [CHC16, HSC<sup>+</sup>18, KKK<sup>+</sup>18b, PPA18, SS12]. **collectives** [FSW<sup>+</sup>10]. **Collisionless** [SBMM17]. **Common** [PBM14]. **Common-Pool** [PBM14]. **Communication** [XZL11, BDMP12, FSW<sup>+</sup>10]. **communications** [DDF<sup>+</sup>06]. **Compact** [MLsRA<sup>+</sup>15]. **Comparison** [MHP<sup>+</sup>12]. **compasses** [SDY09]. **Complex** [BCC<sup>+</sup>17, HEC<sup>+</sup>16, ONC17, JI07]. **Complexity** [BEK09, CEK14]. **Component** [EYCM16]. **Composition** [AOK11, Bak11, HS11, MBB11, SHRB13, WCW<sup>+</sup>17, FS09]. **Computational** [Gab11, VA11]. **Computer** [Mam11, DK12]. **Computing** [Bak11, BMS11, MHP<sup>+</sup>12, PSPR15, BCD<sup>+</sup>06, BCC<sup>+</sup>12, HSM<sup>+</sup>12, KGJ08, Lit07, SMSQ<sup>+</sup>10, TMC<sup>+</sup>11, WBSI10]. **Concepts** [PSA12]. **Conceptual** [CGPP12]. **Conditional** [ST13]. **conflicts** [DNT09]. **Connection** [RMKM17]. **Connectivity** [KRM16]. **Consensus** [BR11, GMMB15]. **conserving** [SLJS08]. **Considerations** [GS18]. **Consistency** [RTN<sup>+</sup>17]. **consistent** [SDY09]. **Constant** [JB11]. **constrained** [SLJS08]. **constraint** [MHZ13]. **constraints** [CY07]. **Construction** [BWO17]. **Consumption** [FCD<sup>+</sup>18]. **Containment** [CLW<sup>+</sup>14]. **content** [SA06]. **context** [FS09, WHH<sup>+</sup>10b, WHH10a]. **context-aware** [FS09]. **context-driven** [WHH<sup>+</sup>10b, WHH10a]. **Continuous** [CW14, FP17]. **Continuous-Time** [CW14]. **Control** [APSM18, ARS17, BDMP12, FMA<sup>+</sup>17, FDMD15, HWH<sup>+</sup>17, KLWS16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b, LZ13, LDL16, MVV14, RMKM17, VMG14, WUK<sup>+</sup>18, XLXZ14, GYSD08, KM08, LR12, LND12, WCD<sup>+</sup>09]. **Control-based** [BDMP12]. **Controllers** [SCC17]. **Controlling** [BWO17, KTK<sup>+</sup>16, KKK<sup>+</sup>16, KKK<sup>+</sup>18a]. **convention** [VSMS13]. **Convergence** [FE12, KB12, PB13, ZSA09]. **Cooperation** [ACW10, PBARA14, TGT<sup>+</sup>06]. **Cooperative** [ASS<sup>+</sup>15, HLM15, MVV14, TMC<sup>+</sup>11]. **Coordination** [FMVC14, HLM15, VCMZ11, MPBMP<sup>+</sup>10]. **correction** [CLHX12]. **correctness** [HSL<sup>+</sup>07]. **Cost** [BWW<sup>+</sup>17, GS18, KKK<sup>+</sup>16]. **Coupled** [LCT<sup>+</sup>18, KB12]. **Coverage** [LDL16, GJM12]. **Crash** [BR11]. **Creating** [MSA09]. **cross** [CSLZ10, PSB<sup>+</sup>12]. **cross-entropy** [CSLZ10]. **cross-layer** [PSB<sup>+</sup>12]. **Crossing** [HWH<sup>+</sup>17]. **Crowdsourcing** [JAJ<sup>+</sup>18, MPC<sup>+</sup>15]. **Cyber** [LVP15, SJN18]. **Cyber-Physical** [LVP15].

**Data** [CMP13, DRPQ14, LVP15, LCT<sup>+</sup>18, Men16, PRRR15, RDKB15, dASH16, ZSA09]. **Data-Centric** [LVP15]. **data-driven**

[ZSA09]. **Database** [GS18]. **databases** [SA06]. **Deadline** [ZCVL13]. **Deadline-Driven** [ZCVL13]. **Death** [KD16]. **Decentralised** [ONC17]. **Decentralized** [AOK11, ARS17, KGJ12, KB15, LND12, PPA18, RDKB15, QPGS12]. **Decision** [AA16, KKK<sup>+</sup>18b, MHP<sup>+</sup>12, MCGS18, SS12]. **Decision-Making** [KKK<sup>+</sup>18b, MHP<sup>+</sup>12, MCGS18]. **deeper** [XLX12]. **Defending** [LXX<sup>+</sup>14]. **Defense** [DXP14, KD07]. **Defined** [HWH<sup>+</sup>17]. **Defining** [FP17]. **Degree** [JB11]. **Delay** [LZ13, SLJS08]. **Demonstration** [BWO17]. **dependable** [DCL<sup>+</sup>12]. **Dependencies** [EYCM16]. **dependency** [PRJ11]. **dependent** [MHZ13]. **Deployed** [ZSLG16]. **deployment** [WDTS11]. **Description** [Dua11]. **Design** [ARS17, BCD<sup>+</sup>06, BBDB15, CHC16, CW11, CMP13, FE12, GDA10, DW15, QPGS12, PPSM07]. **Designing** [LR12, WV18, YHT16, ZSLG16]. **Despite** [BR11]. **Detecting** [DGL<sup>+</sup>11]. **Detection** [CLW<sup>+</sup>14, IJDZ16, ONC17, SQX<sup>+</sup>07, YTW08, ZS09]. **detectors** [ZS09]. **Device** [BVPD17, DY08]. **devices** [Das12]. **DevOps** [FBL18]. **different** [APA12]. **differential** [APA12, CEA08]. **dimensional** [WCD<sup>+</sup>09]. **Discovery** [Bak11, CW11, Dua11, FGB11, DHC10]. **Discrete** [SMHP15]. **Dispersion** [Bea15]. **disruption** [XWN09]. **disruption-tolerant** [XWN09]. **Dissemination** [CMP13]. **dissolution** [VSMS13]. **Distributed** [BMS11, DGL<sup>+</sup>11, FB15, FSW<sup>+</sup>10, GMMB15, HMF<sup>+</sup>15, KLWS16, LVP15, LEC<sup>+</sup>15, MM17, MVV14, Men16, PRRR15, RPG<sup>+</sup>15, RTN<sup>+</sup>17, SHRB13, SMHP15, WVT<sup>+</sup>17, BCD<sup>+</sup>06, Dat08, Dat09, HSL<sup>+</sup>07, LMSM12, LR12, RYC<sup>+</sup>07, SLJS08, WMA12, ZCS12]. **Distribution** [BVPD17, GB14]. **Distributive** [PBM14]. **Disturbances** [GMMB15]. **Diverse** [LDL16]. **Division** [LDD06]. **Domains** [CW14]. **downloading** [DHJ08]. **Driven** [BSS<sup>+</sup>14, BBDB15, RB17, VG14, ZCVL13, BW09, MIRG06, PSB<sup>+</sup>12, WHH<sup>+</sup>10b, WHH10a, ZSA09]. **drivers** [DY08]. **Dumb** [KRM16]. **DVFS** [CGJZ15]. **Dynamic** [LEC<sup>+</sup>15, MBB11, PBARA14, CY07, DCL<sup>+</sup>12, FS09, SA06, USC<sup>+</sup>08, WHH<sup>+</sup>10b, WHH10a]. **dynamically** [FFJ<sup>+</sup>12]. **Dynamics** [XLXZ14, JI07, WNV12a].

**e-Sampling** [BWW<sup>+</sup>17]. **Economic** [FBL18, PSA12]. **Economies** [PPA18]. **Ecosystems** [CMRZ15]. **Editorial** [LV10, Nus18, PZ11, PZ13, PZ18, VP09, WBSI10]. **Effective** [VA11, WUK<sup>+</sup>18]. **Efficiency** [CGJZ15, Das12]. **Efficient** [CFGM16, GYP12, HSC<sup>+</sup>18, MCGS18, WXZ10]. **Eigenspace** [SQX<sup>+</sup>07]. **Elastic** [DRPQ14, Men16]. **Elasticity** [GS18]. **Electronic** [PPB17]. **Embedded** [JH13, RYC<sup>+</sup>07]. **Emergence** [HSC<sup>+</sup>18, ONC17, VSMS13]. **Emergencies** [VMG14]. **Emergent** [FP17, KTK<sup>+</sup>16]. **Empowered** [FSW<sup>+</sup>10]. **enabling** [CDV09]. **encoding** [MS12]. **Energy** [CGJZ15, LWQL16, SLJS08]. **Engineering** [APSM18, CMRZ15, VG14, PSFC12]. **Enhancing** [PRB16]. **enterprise** [MSA09]. **Entities** [AOK11]. **entropy** [CSLZ10]. **Entry** [MAFS<sup>+</sup>18]. **Environment** [Gab11]. **Environments** [BCC<sup>+</sup>17, KLWS16, KKK<sup>+</sup>16, MDC17, SHRB13, VA11, ZSLG16, DCL<sup>+</sup>12, DHC10, FFJ<sup>+</sup>12, GPTW13, GDA10, Her10, LV07, MIRG06, TMC<sup>+</sup>11]. **Epidemic** [XLXZ14, XLX12]. **equilibrium** [CEA08]. **erasure** [MS12]. **erasure-resilient** [MS12]. **estimation** [ZSA09]. **EUREMA** [VG14]. **Evaluation** [CMP13, DC12, GDA10, QPGS12]. **Event** [BWW<sup>+</sup>17, HEC<sup>+</sup>16, JH13, SMHP15, PRJ11]. **Event-Sensitive** [BWW<sup>+</sup>17]. **eventually** [SDY09]. **Evidence** [WS10]. **Evidence-based** [WS10]. **E**volution [BCF<sup>+</sup>08, SCC17, APA12, TMC<sup>+</sup>11].

**evolutionary** [WDTS11]. **evolvable** [LS09]. **Evolved** [HWH<sup>+</sup>17]. **evolving** [MHZ13]. **exchange** [Das12]. **Exchanging** [LCT<sup>+</sup>18]. **Execution** [PRB16]. **Executions** [SJM18]. **exercise** [CDGT08]. **Experience** [BBC<sup>+</sup>11]. **Experiments** [PSA12]. **Explicit** [WUK<sup>+</sup>18]. **Exploiting** [AHM09, HBDD14]. **Expression** [KIW06]. **Extended** [CPS17, PH15, VDK16]. **Extending** [PPSM07]. **Extracting** [VHK<sup>+</sup>17].

**Facial** [KIW06]. **Factorization** [FG15]. **factors** [WNET07]. **fair** [Das12]. **Farewell** [PZ18]. **Fast** [CLW<sup>+</sup>14, DP16, JH13, KKK<sup>+</sup>16]. **Fast-Spreading** [CLW<sup>+</sup>14]. **Fault** [AD09, FG15, RYC<sup>+</sup>07, WCD<sup>+</sup>09]. **fault-tolerant** [WCD<sup>+</sup>09]. **faults** [CLHX12]. **Feature** [BWO17]. **featuring** [FMS08]. **File** [LCT<sup>+</sup>18]. **Filters** [KCH14]. **Fine** [RB17]. **Fine-Grained** [RB17]. **firewall** [CLHX12]. **First** [CLHX12, Nus18]. **Fishing** [DXP14]. **Flexible** [MCGS18, CGPP12, MS12]. **Flight** [MR11]. **Flight-Inspired** [MR11]. **Floating** [PSPR15]. **Floating-Point** [PSPR15]. **Flow** [MAFS<sup>+</sup>18]. **Flows** [IJDZ16]. **foraging** [LDD06]. **Formal** [ARS17, CD11, DLPT14, DW15, BCC<sup>+</sup>12, WMA12]. **formalized** [PSB<sup>+</sup>12]. **Formation** [KLWS16, PBARA14, DLIP08, GJM12]. **formations** [GLMN09]. **FORMS** [WMA12]. **forums** [POPM07]. **Fostering** [PBARA14]. **fragments** [PSFC12]. **Framework** [BDLM11, FGB11, MS15, PTW07, AVC09, GJM12, LS09, WXZ10]. **free** [SA12]. **fundamental** [CDV09]. **Fuzzy** [LZ13, AGLV10].

**Gabriel** [MG11]. **Game** [Men16, RDKB15, YHT16, AVC09]. **Game-Theoretic** [Men16, RDKB15]. **Games** [CMGS16, AL09, CEA08]. **Gap** [HWH<sup>+</sup>17]. **gather** [SDY09]. **Gathering** [SBMM17]. **geared** [WS10]. **general** [GL08]. **generation** [GR10]. **Generic** [FDMD15, DNT09]. **Geo** [GS18]. **Geo-Elasticity** [GS18]. **Geometric** [BMS11]. **Gesture** [HMF<sup>+</sup>15]. **Gossiping** [DP16]. **Grained** [RB17]. **Graph** [HEC<sup>+</sup>16, KTK<sup>+</sup>16, RPG<sup>+</sup>15, DKMD11]. **Graphs** [MG11]. **GraphStep** [DKMD11]. **grid** [CY07, FMS08]. **Grids** [DRPQ14, Dua11, MG11, GYSD08]. **G}roup** [BCF<sup>+</sup>08, ADV16, LDD06]. **Growth** [HWH<sup>+</sup>17]. **Guarantee** [LZ13].

**hardware** [DKMD11]. **hash** [LMSM12]. **hash-tables** [LMSM12]. **Healing** [MS15]. **health** [BLK<sup>+</sup>09]. **Heterogeneity** [LEC<sup>+</sup>15, WNV12a]. **Heterogeneous** [FGB11, FDMD15, SHRB13, GDA10]. **Heuristic** [HSC<sup>+</sup>18, WDTS11]. **heuristic/evolutionary** [WDTS11]. **Heuristics** [CMP13]. **Hierarchical** [KKK<sup>+</sup>18a, HSL<sup>+</sup>07]. **High** [Dua11, PPSM07]. **High-Performance** [Dua11]. **Hoc** [CW11, MR11, PRJ11, SLJS08]. **Holonic** [FDMD15, HKR08]. **Home** [BDLM11]. **Host** [CLW<sup>+</sup>14, SS12]. **Host-Based** [CLW<sup>+</sup>14]. **hybrid** [WDTS11]. **Hyper** [SCC17]. **Hyper-Learning** [SCC17]. **hypernetwork** [JI07].

**IaaS** [RB17]. **IEEE** [TS07]. **III** [POPM07]. **Imitation** [RH16]. **immunologically** [LS09]. **immunologically-inspired** [LS09]. **Immunology** [CHC16]. **Impairment** [RMKM17]. **Implementation** [CHC16, CW11, DKMD11, KM08]. **implementations** [BW09]. **Improve** [MVV14]. **Improvement** [CGJZ15, APA12]. **Improving** [APA12, AHM09]. **In-Memory** [DRPQ14]. **incentive** [WNV12a]. **Increase** [RDKB15]. **incremental** [GPTW13]. **indulgence** [GL08]. **Inferring** [EYCM16]. **Information** [KKK<sup>+</sup>18b]. **Informed**

[KB15]. **infrared** [KIW06]. **infrastructure** [SA12]. **Infrastructureless** [FMSA11]. **Infrastructures** [VMG14]. **Inherently** [MDC17]. **inhibitory** [KB12]. **inhibitory-coupled** [KB12]. **Initial** [KB15]. **insights** [XLX12]. **Inspired** [GMM12, MR11, VCMZ11, XZL11, FMS08, GR10, KGJ08, LDD06, LS09]. **Instances** [PRB16]. **Institutions** [PSA12]. **Integrals** [KD16]. **Integrating** [WCW<sup>+</sup>17]. **intelligence** [AGLV10, DHC10, Her10, LV10]. **Intelligent** [CW14, DHC10]. **Intensity** [VHK<sup>+</sup>17]. **Interaction** [EYCM16, MZ07, Pos07]. **Interactive** [KM08]. **Interdomain** [VGR<sup>+</sup>15]. **Internet** [BVPD17, CGJZ15, USC<sup>+</sup>08]. **Interoperable** [AGLV10, FGB11]. **interpretation** [KIW06]. **Introduction** [BCC<sup>+</sup>12, BE16, BN12, Dat08, Dat09, Edi14, LPZZ09, POPM07, SI17, Ser06, TS07, ZP12]. **Intrusion** [IA18, SQX<sup>+</sup>07, YTW08, ZS09]. **invariant** [HSL<sup>+</sup>07]. **Isolation** [MSA09]. **Issue** [Bak11, Dat08, Dat09, LPZZ09, LV10, POPM07, TS07, VP09, WBSI10].

**JADE** [BBC<sup>+</sup>11]. **jointly** [SLJS08]. **Just** [BRDA16]. **Just-in-Time** [BRDA16]. **Justice** [PBM14].

**Kalman** [KCH14]. **Key** [PRRR15, RTN<sup>+</sup>17, WNV12a]. **Key-Value** [PRRR15]. **keying** [EGK08]. **Knob** [WUK<sup>+</sup>18]. **knowledge** [FFJ<sup>+</sup>12, MT09, MIRG06]. **knowledge-driven** [MIRG06].

**labor** [LDD06]. **Laboratory** [BCF<sup>+</sup>08]. **Landscape** [ST09]. **Language** [DLPT14, SGP13]. **Language-Level** [SGP13]. **Large** [KKK<sup>+</sup>16, KKK<sup>+</sup>18a, RPG<sup>+</sup>15, AD09, WCD<sup>+</sup>09]. **Large-Scale** [KKK<sup>+</sup>16, KKK<sup>+</sup>18a, RPG<sup>+</sup>15, AD09, WCD<sup>+</sup>09]. **Latency** [CMGS16, MCGS18, RTN<sup>+</sup>17]. **Latency-Aware** [CMGS16, MCGS18]. **layer** [PSB<sup>+</sup>12]. **Lean** [JH13]. **Learning** [FP17, GPTW13, HL13, HLM15, HSC<sup>+</sup>18, KB15, MDC17, MAFS<sup>+</sup>18, PPA18, SCC17, VGR<sup>+</sup>15, WCW<sup>+</sup>17, XWN09]. **less** [SDY09]. **Level** [SGP13]. **Light** [CDV09]. **Lightweight** [FE12, KKK<sup>+</sup>16]. **like** [CSLZ10]. **limited** [SDY09]. **Link** [VGR<sup>+</sup>15, ZSA09]. **Load** [GB14, JZL15, VHK<sup>+</sup>17, AHM09, GYP12]. **Local** [LCT<sup>+</sup>18]. **localization** [GCC06]. **localizations** [RYC<sup>+</sup>07]. **Locally** [DGL<sup>+</sup>11]. **location** [AHM09]. **Logarithmic** [EGK08]. **Low** [BWW<sup>+</sup>17]. **Low-Cost** [BWW<sup>+</sup>17].

**M** [ZS09]. **M-AID** [ZS09]. **Machine** [XWN09]. **MACODO** [WHH<sup>+</sup>10b, WHH10a]. **Macro** [Mam11, BMZ12]. **Making** [AA16, KKK<sup>+</sup>18b, MHP<sup>+</sup>12, MCGS18]. **Malware** [DXP14]. **managed** [PPA18]. **Management** [BDLM11, HEC<sup>+</sup>16, MM17, MAFS<sup>+</sup>18, PBM14]. **Management-Based** [MM17]. **Managing** [LWQL16]. **MANET** [BDS07]. **MANETs** [XWN09]. **Many** [MG11]. **MAPE** [DW15]. **MAPE-K** [DW15]. **MARC** [FCD<sup>+</sup>18]. **Markets** [TVKB16]. **MAS** [DRVF14]. **mathematical** [WS10]. **Matrix** [FG15]. **measurement** [KIW06]. **measures** [AD09]. **Mechanism** [KKK<sup>+</sup>18b, TVKB16, DRVF14, CSLZ10]. **Mechanisms** [RDKB15, APA12, BDS07, WNV12a]. **Media** [SR16]. **Memory** [DRPQ14, AL09, SDY09]. **memory-less** [SDY09]. **message** [BW09]. **message-driven** [BW09]. **Method** [BBDB15, FE12, KKK<sup>+</sup>18a, LDC<sup>+</sup>18, CSLZ10, Lit07, PSFC12]. **methodologies** [PSFC12]. **Methods** [XZL11, BCC<sup>+</sup>12, FSW<sup>+</sup>10]. **Metric** [MG11]. **Microgrids** [FDMD15].

**Middleware**[FGB11, FRL09, WHH<sup>+</sup>10b, ZS09].**Migrations** [LCT<sup>+</sup>18, WVT<sup>+</sup>17].**MiniMax** [CEA08]. **minority** [AL09].**Mitigating** [BSS<sup>+</sup>14]. **Mix** [LWQL16].**Mixing** [Bea15]. **Mobile**[BCC<sup>+</sup>17, CW11, MR11, WVT<sup>+</sup>17, XZL11,DLIP08, FRL09, SDY09]. **Mode** [JB11].**Model** [APSM18, BSS<sup>+</sup>14, BBDB15, IA18,

VG14, GCC06, WS10, WHH10a, WMA12].

**Model-Based** [IA18]. **Model-Driven**[BSS<sup>+</sup>14, VG14]. **Modeling**[BBDB15, FCD<sup>+</sup>18, KD16, LXX<sup>+</sup>14,SQX<sup>+</sup>07, VHK<sup>+</sup>17, WNV12a, ZCVL13,CGPP12, WNV12b]. **Models** [BN12, VA11].**Modulation** [WUK<sup>+</sup>18]. **Monitoring**[BWW<sup>+</sup>17, FG15, BLK<sup>+</sup>09, HSL<sup>+</sup>07].**morphogenetic** [GJM12]. **Motion**[HWH<sup>+</sup>17]. **Multi**[ADV16, CLSS<sup>+</sup>13, GGPTRC16, GB14,LV07, MDC17, PPB17, SJN18, WCW<sup>+</sup>17,

DHC10, DC12, HAMR13, HKR08, MHZ13,

Pos07, TGT<sup>+</sup>06, USC<sup>+</sup>08, ZCS12].**Multi-Agent** [ADV16, CLSS<sup>+</sup>13, LV07,MDC17, PPB17, WCW<sup>+</sup>17, HKR08, Pos07].**Multi-Cloud** [GB14]. **multi-constraint**[MHZ13]. **multi-objective** [HAMR13].**multi-policy** [DC12]. **Multi-Robot**[SJN18, TGT<sup>+</sup>06, ZCS12].**multi-society-based** [DHC10].**Multi-Tenant** [GGPTRC16]. **multi-tier**[USC<sup>+</sup>08]. **Multiagent**[HL13, HLM15, JAJ<sup>+</sup>18, SQX<sup>+</sup>07, WS10].**multicast** [AVC09, SLJS08, XVYH11].**Multidimensional** [GMM12].**Multilayered** [LV07]. **multilevel** [JI07].**Multimedia** [MM17]. **Multiobjective**[FDMD15]. **Multiplex** [JZL15]. **multirate**[XVYH11]. **Multirobot** [KLWS16, GJM12].**Multiscale** [FDMD15]. **Multitolerance**[CEK14]. **mutation** [WXZ10]. **mute**

[BW09].

**Natural** [HWH<sup>+</sup>17]. **nature**[GR10, KGJ08]. **nature-inspired**[GR10, KGJ08]. **necessary** [CY07].**Negative** [KTK<sup>+</sup>16]. **Negotiation**[CW14, SR16, GR08, PTW07]. **Nervous**[DXP14]. **Network** [Dua11, FE12, IJZ16,SQX<sup>+</sup>07, BLK<sup>+</sup>09, GSD08, LS09, LR12].**Networked** [BWW<sup>+</sup>17, CEA08].**networking** [LPZZ09]. **Networks**

[AMG18, CW11, CMP13, FGB11, GMMB15,

JZL15, KRM16, KKK<sup>+</sup>16, KKK<sup>+</sup>18a,LEC<sup>+</sup>15, LDL16, LXX<sup>+</sup>14, MM17, Mam11,MR11, MPC<sup>+</sup>15, RMKM17, XLXZ14,

ACW10, AD09, DK12, FRL09, GLMN09,

HSL<sup>+</sup>07, LLL12, MPBMP<sup>+</sup>10, MT09, MS12,PRJ11, SA12, VSMS13, WCD<sup>+</sup>09, WNV12a,

WNV12b, WNET07, XVYH11, XLX12,

ZSA09]. **Neural** [LZ13]. **Nodes** [KRM16].**Non** [MDC17]. **Non-Stationary** [MDC17].**Normative** [MLsRA<sup>+</sup>15]. **Norms**[ADV16, HSC<sup>+</sup>18]. **Number** [dASH16].**objective** [HAMR13]. **omega** [BW09].**Online**[IJZ16, MLsRA<sup>+</sup>15, SCC17, QPGS12].**Open** [ASS<sup>+</sup>15, ST13, RYC<sup>+</sup>07]. **operators**[WXZ10]. **Opponents** [CW14].**Opportunistic**[BUL<sup>+</sup>18, CMP13, MPC<sup>+</sup>15]. **Optimal**[BW09, BR11, BRDA16, HL13, KKK<sup>+</sup>18a,LND12]. **optimistic** [Das12]. **Optimization**[LDC<sup>+</sup>18, MHP<sup>+</sup>12, ZCVL13, DC12,HAMR13, WDTS11]. **optimizer** [WXZ10].**optimizing** [GYSD08, LR12]. **Options**[WV18]. **Orchestration** [SMHP15].**Ordering** [SJN18]. **organic**[SMSQ<sup>+</sup>10, WBSI10]. **Organisations**[ADV16]. **Organised** [PBM14]. **Organising**[PPB17]. **Organization** [AA16, PSPR15,DRVF14, CSLZ10, SMSQ<sup>+</sup>10, WHH10a].**organizations**[KGJ12, WHH<sup>+</sup>10b, WHH10a]. **Organized**[KKK<sup>+</sup>16, GJM12, Her10]. **Organizing**[AOK11, KRM16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b,PSA12, BMZ12, BDS07, FSW<sup>+</sup>10, FMS08,

KB12, LS09, LPZZ09, PRJ11, PSFC12, WCD<sup>+</sup>09]. **Oriented** [DRVF14]. **Oscar** [GDA10]. **oscillators** [KB12]. **Our** [BMS11]. **Outcomes** [HL13]. **Overlay** [GMM12, GDA10, WNV12b, WNET07]. **Overlays** [JB11]. **Overview** [DC12].

## P2P

[BDS07, CSLZ10, GMM12, JB11, LLL12]. **P2P-like** [CSLZ10]. **Papers** [BE16, CPS17, Edi14, PH15, SI17, VDK16]. **Parallel** [MVV14]. **Parallelization** [CFG16]. **Parameter** [BRDA16]. **Parsimonious** [GR10]. **Particle** [WXZ10]. **partitioned** [GYP12]. **Partitioning** [RPG<sup>+</sup>15]. **Partner** [PBARA14]. **partners** [LLL12]. **pattern** [GJM12]. **patterns** [BCD<sup>+</sup>06]. **Peer** [LXX<sup>+</sup>14, DHJ08, HSM<sup>+</sup>12, KGJ08, LMSM12, WNET07]. **Peer-to-Peer** [LXX<sup>+</sup>14, DHJ08, HSM<sup>+</sup>12, KGJ08, LMSM12, WNET07]. **Percentile** [LZ13]. **Percentile-Based** [LZ13]. **Perception** [FP17]. **Performance** [BSS<sup>+</sup>14, CGJZ15, CMP13, Dua11, GS18, LDC<sup>+</sup>18, ZCVL13, Lit07, MSA09]. **performance-robust** [MSA09]. **Periods** [RB17]. **persistent** [BDMP12]. **Perspective** [JAJ<sup>+</sup>18]. **perturbations** [GYP12]. **Pervasive** [Bak11, BDL11, CMRZ15, CD11, Dua11, Gab11, MZ07, SHRB13, VCMZ11, BCC<sup>+</sup>12, DC12, GPTW13, HSM<sup>+</sup>12, SF12, ZP12]. **pheromone** [MZ07]. **pheromone-based** [MZ07]. **philosophers** [DNT09]. **Physical** [LVP15, SJN18]. **Pig** [ZCVL13]. **Placement** [BCC<sup>+</sup>17, PRRR15, Her10]. **Planning** [IA18, KB15]. **Plants** [HWH<sup>+</sup>17]. **playing** [WNV12a]. **Point** [PSPR15]. **points** [MSA09]. **Policies** [KB15]. **Policy** [SR16, CLHX12, DC12]. **Pool** [PBM14]. **pools** [LND12]. **population** [AAFJ08]. **power** [LR12]. **Predicates** [DGL<sup>+</sup>11]. **Prediction** [MDC17]. **Prediction-Based** [MDC17]. **Predictive**

[APSM18, MVV14, XVYH11]. **predictor** [PDCE11]. **Preferences** [MBB11, GPTW13]. **Prescriptive** [BBDB15]. **Presence** [SMHP15]. **Price** [BR11]. **Prices** [VGR<sup>+</sup>15]. **Primate** [XZL11]. **Primate-Inspired** [XZL11]. **Principles** [PSA12]. **Privacy** [SR16]. **Proactive** [MCGS18, VMG14]. **problem** [GCC06]. **problem-solving** [GCC06]. **Process** [LCT<sup>+</sup>18]. **Processes** [KD16, BW09]. **Processing** [HEC<sup>+</sup>16, Men16, PSPR15]. **Profiles** [VHK<sup>+</sup>17]. **Profiling** [LDC<sup>+</sup>18]. **Profitability** [WUK<sup>+</sup>18]. **Programming** [DLPT14, HBDD14, Mam11]. **Programs** [ZCVL13, BEK09]. **Properties** [BDS07]. **Property** [BBDB15]. **Property-Driven** [BBDB15]. **Protecting** [YEM14]. **Protection** [IA18]. **Protocol** [MR11, BDMP12]. **Protocols** [FE12, AAFJ08, CDV09, Pos07]. **Providing** [GS18]. **Provisioning** [GB14, KCH14, LZ13, SA06, USC<sup>+</sup>08]. **psychology** [AVC09]. **Public** [HBDD14, WUK<sup>+</sup>18]. **pull** [XLX12]. **pull-based** [XLX12]. **Push** [XLX12]. **Push-XLX12**. **QoS** [AHM09, GSD08]. **queries** [GYP12]. **random** [GYP12]. **Ranking** [WNET07]. **Rational** [VA11, ZS09]. **Reactive** [SA06, WV18, GCC06]. **reading** [MS12]. **Reality** [HWH<sup>+</sup>17]. **Recognition** [HMF<sup>+</sup>15]. **reconfigurability** [RYC<sup>+</sup>07]. **reconfigurable** [PRJ11]. **Reconfiguration** [MVV14]. **Reestablishment** [KRM16]. **reference** [WMA12]. **Reflective** [SF12]. **Regulation** [CLSS<sup>+</sup>13]. **Reinforcement** [HL13, HLM15, KB15, MDC17, MAFS<sup>+</sup>18, VGR<sup>+</sup>15, WCW<sup>+</sup>17]. **reinforcing** [VSMS13]. **RelaxDHT** [LMSM12]. **Reliability** [PRB16]. **Reliable** [BLK<sup>+</sup>09, JZL15, AVC09]. **Renewable**



[LWQL16]. **Replicated** [DRPQ14].  
**Replication** [PRB16, LMSM12].  
**Requirements** [APSM18]. **research** [ST09].  
**resilient** [LMSM12, MS12]. **Resource**  
[ASS<sup>+</sup>15, FCD<sup>+</sup>18, JH13, KCH14, PBM14,  
SSN<sup>+</sup>12, SMHP15, LND12].  
**Resource-Lean** [JH13]. **resources** [AL09].  
**Response** [IA18, ZS09]. **results**  
[BEK09, PB13]. **retrieval** [MIRG06].  
**Reviewers**  
[Ano06, Ano07, Ano08, ACM06, Ano09].  
**Revised** [CPS17, PH15, VDK16]. **revising**  
[BEK09]. **Rewriting** [HEC<sup>+</sup>16]. **RFID**  
[MZ07, XZL11]. **Rigorously** [DW15].  
**Robot**  
[BBDB15, KD16, SJN18, SBMM17, SCC17,  
WV18, GLMN09, JI07, TGT<sup>+</sup>06, ZCS12].  
**robots** [DLIP08, LDD06, SDY09]. **Robust**  
[CLSS<sup>+</sup>13, HSC<sup>+</sup>18, VSMS13, MSA09].  
**robustness** [KB12]. **role**  
[RYC<sup>+</sup>07, WNV12a]. **roles** [RYC<sup>+</sup>07].  
**Routing** [MR11, VGR<sup>+</sup>15, MHZ13, PRJ11,  
PB13, SLJS08, ZSA09]. **rtual** [BCF<sup>+</sup>08].  
**rule** [GR10]. **run** [HSL<sup>+</sup>07]. **run-time**  
[HSL<sup>+</sup>07]. **Runtime** [KTK<sup>+</sup>16].

**SAC** [FMVC14]. **Safe** [DHJ08]. **Safety**  
[ST13, Dat08, Dat09]. **Sampling**  
[BWW<sup>+</sup>17, LVP15]. **SAPERE** [CMRZ15].  
**SASO** [CPS17, PH15, VDK16]. **Scalable**  
[FBL18, JB11, PRRR15, BLK<sup>+</sup>09]. **Scale**  
[KKK<sup>+</sup>16, KKK<sup>+</sup>18a, RPG<sup>+</sup>15, AD09,  
WCD<sup>+</sup>09]. **Scaler** [DRPQ14]. **Scaling**  
[DRPQ14]. **ScatterD** [WDTS11]. **SCEL**  
[DLPT14]. **Scheduling** [RB17]. **Scientific**  
[RB17, HAMR13]. **SDN** [MAFS<sup>+</sup>18].  
**SEAMS** [BE16, Edi14, SI17]. **secret** [SA12].  
**Section**  
[BE16, Edi14, SI17, BCC<sup>+</sup>12, BN12, ZP12].  
**security** [Dat08, Dat09, SA12]. **SeDiM**  
[FGB11]. **Selected** [CPS17, PH15, VDK16].  
**Selection**  
[Gab11, HS11, SSN<sup>+</sup>12, CY07, DHC10, SS12].  
**Self**  
[AA16, AOK11, APSM18, AAFJ08, ARS17,  
BVPD17, BMZ12, BBC<sup>+</sup>11, CMGS16,  
CGJZ15, DXP14, DNT09, DY08, DP16,  
FB15, FMVC14, FCD<sup>+</sup>18, FP17, FMA<sup>+</sup>17,  
GLMN09, Her10, HEC<sup>+</sup>16, DW15, KRM16,  
KB12, KKK<sup>+</sup>16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b,  
LZ13, MS15, MHP<sup>+</sup>12, MCGS18, PRRR15,  
PSPR15, PRJ11, PPB17, PSA12, PBM14,  
PPA18, RMKM17, ST09, SGP13, DRVF14,  
VG14, WCD<sup>+</sup>09, YHT16, YEM14, ACW10,  
BDS07, BN12, CSLZ10, DHJ08, FSW<sup>+</sup>10,  
FRL09, FMS08, GYSD08, GR10, GJM12,  
KGJ08, KGJ12, LS09, LPZZ09, PSFC12,  
SMSQ<sup>+</sup>10, TGT<sup>+</sup>06, VSMS13, WMA12].  
**Self-Adaptation** [BVPD17, CMGS16,  
FMVC14, MCGS18, RMKM17, KGJ12].  
**Self-Adaptive** [AA16, APSM18, ARS17,  
FMA<sup>+</sup>17, DW15, LZ13, SGP13, VG14, ST09,  
BN12, FRL09, KGJ08, LPZZ09, WMA12].  
**Self-Adaptiveness** [PSPR15].  
**Self-Assembly** [FP17, GR10, TGT<sup>+</sup>06].  
**Self-Aware** [FCD<sup>+</sup>18]. **Self-Defense**  
[DXP14]. **self-downloading** [DHJ08].  
**Self-Healing** [MS15]. **Self-managed**  
[PPA18]. **Self-Management** [HEC<sup>+</sup>16].  
**Self-Optimization** [MHP<sup>+</sup>12].  
**self-optimizing** [GYSD08].  
**Self-Organised** [PBM14]. **Self-Organising**  
[PPB17]. **Self-Organization**  
[PSPR15, DRVF14, CSLZ10, SMSQ<sup>+</sup>10].  
**Self-Organized** [KKK<sup>+</sup>16, Her10, GJM12].  
**Self-Organizing** [AOK11, KRM16,  
KKK<sup>+</sup>18a, KKK<sup>+</sup>18b, PSA12, BMZ12,  
KB12, PRJ11, WCD<sup>+</sup>09, BDS07, FSW<sup>+</sup>10,  
FMS08, LS09, LPZZ09, PSFC12].  
**Self-Protecting** [YEM14].  
**self-reconfigurable** [PRJ11].  
**self-reinforcing** [VSMS13]. **Self-Self**  
[BBC<sup>+</sup>11]. **self-similar** [ACW10].  
**Self-Stabilized** [DP16]. **Self-Stabilizing**  
[FB15, YHT16, AAFJ08, DNT09, DY08,  
GLMN09]. **Self-Tuning**  
[CGJZ15, PRRR15]. **selfish** [CDGT08].  
**semantic** [GR08]. **Semantics** [FS09].

**Semantics-based** [FS09]. **Sensing** [BWW<sup>+</sup>17]. **Sensitive** [BWW<sup>+</sup>17]. **Sensor** [AMG18, BCC<sup>+</sup>17, BUL<sup>+</sup>18, HMF<sup>+</sup>15, KRM16, LDL16, MM17, RMKM17, AD09, BLK<sup>+</sup>09, FRL09, HSL<sup>+</sup>07, MPBMP<sup>+</sup>10, ZSA09]. **Sensors** [JH13, XZL11, BMZ12]. **Sequential** [FG15]. **Server** [LWQL16, SA06]. **Servers** [CGJZ15, KCH14]. **Service** [AOK11, Bak11, CMRZ15, Dua11, FCD<sup>+</sup>18, FGB11, HS11, SSN<sup>+</sup>12, DRVF14, WCW<sup>+</sup>17, WVT<sup>+</sup>17, FS09, GYSD08, Her10, MIRG06, PTW07]. **Service-Oriented** [DRVF14]. **Services** [CW11, GGPTRC16, VCMZ11, AGLV10, TMC<sup>+</sup>11]. **Setting** [BRDA16]. **shared** [LND12, SA12, SA06]. **shared-secret** [SA12]. **Sharing** [BUL<sup>+</sup>18, PPA18]. **SHō** [MS15]. **similar** [ACW10]. **S}imulation** [BCF<sup>+</sup>08]. **Simulations** [CMGS16, SMHP15]. **Situated** [LV07]. **skin** [KIW06]. **Small** [JB11]. **Smart** [FDMD15, LEC<sup>+</sup>15, VMG14, GSD08]. **SMT** [FB15]. **SMT-Based** [FB15]. **snap** [CDV09]. **snap-stabilization** [CDV09]. **So-Grid** [FMS08]. **soccer** [JI07]. **Social** [BCF<sup>+</sup>08, HL13, HLM15, PPB17, SR16, ACW10, AVC09, VSMS13]. **Socially** [HL13]. **society** [DHC10]. **Socio** [KD07, PSA12]. **Socio-Economic** [PSA12]. **Socio-technical** [KD07]. **Software** [AMG18, APSM18, EYCM16, FP17, FMA<sup>+</sup>17, SGP13, VG14, YEM14, MIRG06, PPSM07, ST09]. **solving** [GCC06]. **Space** [MG11]. **Spaces** [VCMZ11]. **spamming** [KD07]. **sparse** [DKMD11]. **Spatial** [BMS11, DKMD11, FMSA11, Mam11, VCMZ11, WDTS11]. **Spatiotemporal** [HMF<sup>+</sup>15]. **Special** [Bak11, BE16, Edi14, LV10, SI17, TS07, WBSI10, BCC<sup>+</sup>12, BN12, Dat08, Dat09, LPZZ09, POPM07, VP09, ZP12]. **Specification** [CD11, WMA12]. **Specifying** [Pos07]. **Spot** [PRB16, TVKB16]. **Spreading** [CLW<sup>+</sup>14, XLX12]. **Spyware** [DXP14]. **Stability** [MVV14, ZSA09]. **stabilization** [CDGT08, CDV09, Dat08, Dat09]. **Stabilized** [DP16]. **Stabilizing** [FB15, YHT16, AAFJ08, DNT09, DY08, GLMN09]. **state** [MHZ13]. **state-dependent** [MHZ13]. **Static** [LEC<sup>+</sup>15, XZL11]. **station** [LR12]. **Stationary** [MDC17]. **Stealth** [JB11]. **Steering** [HWH<sup>+</sup>17]. **Steiner** [SLJS08]. **step** [CLHX12]. **Stepwise** [LDC<sup>+</sup>18]. **Stochastic** [CMGS16, PB13, ZCS12]. **Storage** [FMSA11, RDKB15, MS12]. **Stores** [PRRR15, RTN<sup>+</sup>17]. **Strategies** [FMA<sup>+</sup>17, IA18, MHP<sup>+</sup>12, HAMR13, WNV12b]. **strategy** [LMSM12]. **Stream** [Men16]. **Streaming** [LDC<sup>+</sup>18]. **Streams** [dASH16]. **Structural** [DRVF14]. **structure** [WNV12b]. **Structured** [GDA10]. **structures** [HAMR13, VSMS13]. **Sub** [SQX<sup>+</sup>07]. **Sub-Eigenspace** [SQX<sup>+</sup>07]. **sufficient** [CY07]. **Superdiffusive** [Bea15]. **Support** [EYCM16, SGP13, dASH16, HSM<sup>+</sup>12]. **Supporting** [DCL<sup>+</sup>12, RYC<sup>+</sup>07]. **Survey** [YEM14, DDF<sup>+</sup>06]. **Sustainability** [FBL18]. **SUTC'06** [TS07]. **Swarm** [CFGM16, WXZ10]. **swarming** [LR12]. **Swarms** [Bea15, BBDB15, BWO17, KD16, PSPR15, WV18]. **Switching** [PBARA14]. **synchronization** [KB12]. **synergizing** [APA12]. **Synthesis** [FB15, MLsRA<sup>+</sup>15]. **System** [Gab11, HSM<sup>+</sup>12, LV07, SJN18, dASH16, MS12, YTW08]. **Systematic** [YEM14]. **Systems** [ASS<sup>+</sup>15, APSM18, ARS17, BMS11, BWW<sup>+</sup>17, CLSS<sup>+</sup>13, CHC16, CMP13, CD11, DXP14, DLPT14, FB15, FMA<sup>+</sup>17, GMM12, HL13, HLM15, DW15, JAJ<sup>+</sup>18, LVP15, MHP<sup>+</sup>12, MLsRA<sup>+</sup>15, ONC17, PPB17, RDKB15, ST13, YHT16, YEM14, BDS07, BN12, CY07, Dat08, Dat09, DC12, HKR08, JI07, KM08, LPZZ09, Lit07, MSA09, Pos07, PSFC12, RYC<sup>+</sup>07, SMSQ<sup>+</sup>10, SF12, SQX<sup>+</sup>07, TGT<sup>+</sup>06, WS10, WMA12].

**TAAS** [Ano09]. **tables** [LMSM12]. **tabu** [WXZ10]. **Tags** [XZL11, MZ07]. **Take** [BMS11]. **Task** [JZL15, MBB11, PRB16, SJN18, ZCS12]. **taxonomy** [PSB<sup>+</sup>12]. **taxonomy-driven** [PSB<sup>+</sup>12]. **teams** [ZCS12]. **technical** [KD07, POPM07]. **Techniques** [FFJ<sup>+</sup>12, WCW<sup>+</sup>17]. **temperature** [KIW06]. **Templates** [DW15]. **temporal** [CY07, CGPP12, GPTW13]. **Temporary** [RMKM17]. **Tenant** [GGPTRC16]. **testbeds** [BLK<sup>+</sup>09]. **their** [MG11]. **Theoretic** [Men16, RDKB15]. **theoretical** [AVC09, GYSD08]. **Theory** [YHT16, KM08]. **Things** [BVPD17]. **Three** [GB14, WCD<sup>+</sup>09]. **three-dimensional** [WCD<sup>+</sup>09]. **Three-Tier** [GB14]. **Thresholds** [XLX12, XLXZ14]. **Tier** [GB14, USC<sup>+</sup>08]. **Tight** [SBMM17]. **Time** [BRDA16, CW14, HSL<sup>+</sup>07, MHZ13]. **tolerance** [AD09]. **tolerant** [WCD<sup>+</sup>09, XWN09]. **Topology** [LDL16, MM17, RMKM17, MT09, WCD<sup>+</sup>09]. **Tracking** [KLWS16, GCC06]. **Tradeoff** [RTN<sup>+</sup>17]. **traffic** [FSW<sup>+</sup>10]. **Transactional** [DRPQ14, DRPQ14]. **transactions** [DK12]. **transfer** [GYSD08]. **Transparent** [CFGM16]. **Transportation** [HBDD14]. **tree** [SLJS08]. **Tropos** [PPSM07]. **Trust** [AA16, VA11, WS10]. **Trust-Based** [AA16]. **trusted** [Das12]. **Trustworthy** [HS11]. **Tuning** [CGJZ15, PRRR15, YTW08]. **Tuple** [VCMZ11].

### Ubiquitous

[Bak11, CD11, Dua11, LV07, TMC<sup>+</sup>11].

**Uncertainty** [KKK<sup>+</sup>18b, SMHP15].

**Understanding** [JAJ<sup>+</sup>18]. **Underwater**

[LDL16]. **unified** [WXZ10]. **Unifying**

[WMA12]. **UNITY** [BEK09]. **Unknown**

[CLW<sup>+</sup>14, CW14]. **unreliable** [GLMN09].

**upon** [ZS09]. **Urban** [HBDD14].

**Urban-Area** [HBDD14]. **Usage** [VA11].

**use** [AL09]. **User** [GGPTRC16, HWH<sup>+</sup>17, MBB11, AHM09, GPTW13]. **User-Centric** [GGPTRC16]. **User-Defined** [HWH<sup>+</sup>17]. **users** [GSD08]. **Using** [BSS<sup>+</sup>14, CMGS16, FP17, KCH14, KD16, MAFS<sup>+</sup>18, PRB16, RH16, SDY09, YHT16, Das12, HAMR13, HSL<sup>+</sup>07, KIW06]. **Utility** [DRVF14]. **Utility-Based** [DRVF14].

**Value** [PRRR15, RTN<sup>+</sup>17]. **variability** [PPSM07]. **Variable** [dASH16]. **variations** [KIW06]. **vehicle** [MPBMP<sup>+</sup>10].

**Verification** [ARS17, CD11, CY07]. **Very** [JB11]. **Vi** [BCF<sup>+</sup>08]. **via** [PB13, ZCS12].

**Viable** [WV18]. **virtual** [BMZ12].

**Virtualized** [KCH14]. **Virus** [DXP14].

**ViSAGE** [BCF<sup>+</sup>08]. **visibility** [SDY09].

**Visual** [BWO17]. **voice** [KD07].

**WA** [MS15]. **weak** [DLIP08]. **Web**

[GYSD08, MS15, PTW07]. **Web-Based** [MS15]. **Wireless** [AMG18, LDL16, MM17,

RMKM17, AHM09, AD09, BLK<sup>+</sup>09, FSW<sup>+</sup>10, FRL09, HSL<sup>+</sup>07, LPZZ09, MPBMP<sup>+</sup>10, MIRG06, SA12, WCD<sup>+</sup>09].

**within** [SJN18]. **WLANs** [AHM09].

**Workflow** [PRB16, CY07, HAMR13].

**Workflows** [RB17, CGPP12]. **World**

[BMS11]. **Worm** [CLW<sup>+</sup>14]. **Worms**

[LXX<sup>+</sup>14]. **writing** [MS12]. **WSNs**

[BRDA16].

**XtreemOS** [SSN<sup>+</sup>12].

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**Vasilakos:2009:ESI**

**Wang:2017:IRL**

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**Wang:2010:PSO**

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