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A Complete Bibliography of *ACM Transactions on  
Multimedia Computing, Communications and  
Applications*

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29 May 2018  
Version 1.39

**Title word cross-reference**

3 [AP10, ARE13, CEE09, CGNG15, Chu15,  
DP06, DÇ07, GZHD12, GS11a, HH12a,  
HSZ+18, JP11, KH13, LLP06, LC12,  
LCT+12, LGF+14, MC11, PB14, RS16,  
RHS12, SAZ+15, SHOG12, WAK+12,  
YWN+10a, YWN+10b, YI14, YH14, ZDE16].  
*P* [DG17b].

**-Encoded** [DG17b].

**1** [MPSR05]. **1993** [JPS05]. **1Mbps**  
[RXC14]. **1s** [Ano14].

**2000** [ZC12]. **2003** [PSS05]. **2007** [BSH08].  
**2008** [CDGJ09]. **2009** [XSSZ10]. **2010**  
[SLYS11]. **2011** [GPHOH12]. **2013**  
[ZZMS14]. **2014** [CCO15, HT15]. **2016**  
[TB17]. **20th** [NLS13]. **2s** [TOM12].

**3s** [Dao17, TOM12].

**7S** [Ano11].

**802.11** [LCK09]. **802.11e** [PBS12]. **8S**  
[Ano12].

**ABR** [BRZS18]. **abstraction**  
[JSL07, TV07]. **Accelerator** [MGG17].  
**accelerometer** [RHS10]. **acceptable**

[KS09]. **access** [CW10, PZ08, YH13, ZO13]. **access-pattern-driven** [ZO13]. **accessibility** [HWY<sup>+</sup>11]. **accessible** [AP13]. **Accessing** [CFP15]. **accuracy** [HH08b]. **accurate** [LJP08, LML<sup>+</sup>13]. **achieve** [LGX<sup>+</sup>08]. **Achieving** [CCG<sup>+</sup>08]. **ACM** [JPS05, TB17, BSH08, BLJX10, CDGJ09, Dao17, GPHOH12, Geo05, HT15, KZHC13, NLS13, PSS05, RJ05, SLYS11, XSSZ10, ZSMS14]. **Acoustic** [WJ15b, FYH10]. **Action** [HSZ<sup>+</sup>18, HP17, XW17, YHQH17, WLHL13]. **action-aware** [WLHL13]. **Actions** [LLCH17]. **Active** [JYZC12]. **Activity** [LXL<sup>+</sup>18, ZCD15]. **Ad** [LB15, WWL13]. **Adaptation** [PFC<sup>+</sup>16, SYS17, WBRZ17, CXS<sup>+</sup>08, WBL09]. **Adaptive** [BQBLN18, CPSH14, CDZ<sup>+</sup>17, GZLW18, HZC<sup>+</sup>16, Lin15, MN16, PLZW18, PFC<sup>+</sup>16, PVWD18, SYS17, TAPP<sup>+</sup>15, WBB<sup>+</sup>17, Bag11, BAK13, GKW08, LC12, LYJ<sup>+</sup>13, LMLC14, MB08, XMST07]. **adjacency** [QLSQ12]. **Adjusting** [WCK05]. **admission** [GHP<sup>+</sup>06]. **Adult** [TESU16, HZW<sup>+</sup>11]. **Advanced** [CH15]. **Advances** [Cho13, GTLG14a, Ano13]. **advertising** [MLHL12, SCFL14]. **aesthetic** [BSS11, FPH<sup>+</sup>08]. **Aesthetics** [ZZZ14]. **Aesthetics-Guided** [ZZZ14]. **affine** [GZHD12]. **affine-transformation-invariant** [GZHD12]. **after** [JPS05]. **Age** [YLCC18]. **Aggregate** [SEK12]. **agile** [SLKS12]. **Aided** [RPE<sup>+</sup>17, WCF<sup>+</sup>17]. **Algorithm** [ABR17, CH15, GKSB17, PLZW18, SAZ<sup>+</sup>15, Bag11, LBD08, LWL08, WT10]. **Algorithms** [GL12, WBB<sup>+</sup>17, NC13, BDV08]. **alignment** [MSL10]. **Allocation** [DMF17, QZXH14, TC08]. **ALP** [CPSH14]. **among** [CY11]. **Amphitheater** [CGNG15]. **Analysis** [ABR17, BZDX<sup>+</sup>18, CZC15, LCL14, LKM17, MKSB17, MZGY17, RSE16, SS17, TESU16, VVSV17, WBRZ17, ADCB07, CY11, Eff13, EGEM06, GIL<sup>+</sup>10, GFB<sup>+</sup>14, HCW<sup>+</sup>07, HM10, KK08, MTTH13, SX13, SWH06, XMST07, XXD<sup>+</sup>08, YC08, ZI13]. **Analytic** [CS17, WKST08]. **Analytical** [GS18, TSHP05]. **Analytics** [YNC18]. **Analyzing** [SKW<sup>+</sup>15]. **animation** [KP08, SY09]. **anniversary** [NLS13]. **Annotation** [HOSS13, RPE<sup>+</sup>17, WKE16, YSZZ14, DCC<sup>+</sup>13, LWL<sup>+</sup>12, LCS09, QHR<sup>+</sup>08]. **Answering** [LXL<sup>+</sup>18, PN16]. **appearance** [CCD07]. **Application** [Zho16, EGEM06, SX13]. **Applications** [ASLA18, Ber18, CPSH14, GTLG14a, LLYH14, NHP<sup>+</sup>16, SCXC15, SAZ<sup>+</sup>15, SRPH16, YCGM14, Ano13, BDV08, DY09, GDGC07, GA12a, HNL08, HCKL13, LML<sup>+</sup>13, MGCH13, MMW10, MTTH13, OMP07, PZ08, PS05, SOC<sup>+</sup>13, BLJX10, Geo05]. **Applying** [NHP<sup>+</sup>16]. **Approach** [BZDX<sup>+</sup>18, GWM<sup>+</sup>14, HJMY15, HSN<sup>+</sup>14, HDZ<sup>+</sup>15, KZGH15, LQH18, LMF<sup>+</sup>14, MN16, WWHW14, WBRZ17, YHQH17, ZWL<sup>+</sup>17, BAK13, BSS11, DCM13, MC11, NC13, PZ08, RHS10, WK10, WAK<sup>+</sup>12]. **Approaches** [FAA18, LK07]. **Approximate** [CLP17]. **APRICOD** [ZO13]. **Architecture** [FAA18, KCC17, SHIE15, CVV06, OMP07, ZCAP08]. **archives** [SWH06]. **Area** [LCC<sup>+</sup>14a, SHIE15]. **arrangement** [HCS12]. **Art** [GTLG14b, LSDJ06]. **Artifacts** [SKW<sup>+</sup>15]. **Artificial** [GEL<sup>+</sup>15]. **Artwork** [SBU<sup>+</sup>17]. **assessing** [HAS11]. **Assessment** [SDJ17, MVW08, MRS<sup>+</sup>07, RHS12]. **Assisted** [BRZS18, KCC17, WCY<sup>+</sup>18, ZLW17, CDZ<sup>+</sup>17]. **Association** [WCX<sup>+</sup>14, GA12b]. **Asymmetric** [CLP17]. **Atom** [HZC<sup>+</sup>16]. **atoms** [JCC<sup>+</sup>10]. **attack** [FLZ<sup>+</sup>12]. **Attention** [CBSC18, BGP11, FPH<sup>+</sup>08, JC08]. **attention-centered** [FPH<sup>+</sup>08]. **Attraction** [DNPG<sup>+</sup>17]. **attractiveness** [NLN<sup>+</sup>13].

**Attribute** [HLX<sup>+</sup>14, ZZY<sup>+</sup>14].  
**Attribute-Augmented** [ZZY<sup>+</sup>14].  
**Attribute-Aware** [HLX<sup>+</sup>14]. **Attributes** [FSX14]. **Auction** [WLQL12].  
**Auction-based** [WLQL12]. **Audio** [AMMG16, Ber18, JCC<sup>+</sup>10, LLJW15, LLYH14, SBU<sup>+</sup>17, TB17, XXD<sup>+</sup>08, LSQ11, MVW07, SOC<sup>+</sup>13, YQH12]. **Audio-visual** [JCC<sup>+</sup>10]. **Audiovisual** [DG17a, SDJ17].  
**Augmented** [AWG<sup>+</sup>15, LL15, ZZY<sup>+</sup>14, GYN12].  
**Authentication** [HM10, DY09, SG07].  
**Authoring** [SGW08, SLKS12, BB11, BH05, BCG13, KP08]. **Autoencoders** [FWLA15].  
**Automated** [VCO15, ZRCH08].  
**Automatic** [BZ05, RSB11, SBU<sup>+</sup>17, SXM<sup>+</sup>06, VM12, YMX<sup>+</sup>16, YSZZ14, HCS12, JW106, MSL10].  
**Auxiliary** [CZW15]. **AV** [XC06]. **Avatar** [SHIE15]. **award** [Ste12c]. **Aware** [CPP<sup>+</sup>14, DYSX14, FAA18, FSK<sup>+</sup>15, GNC17, HDZ<sup>+</sup>15, HLX<sup>+</sup>14, LPS15, LYJ<sup>+</sup>15, LLJW15, LL15, RK15, SBU<sup>+</sup>17, WBRZ17, WCLC18, WCY<sup>+</sup>18, BCG13, CPP<sup>+</sup>13, EGEM06, LWL08, WZC<sup>+</sup>13, WLHL13].  
**back** [Eff13]. **Background** [WSLM18, MVW07]. **Bag** [WZNM14].  
**Bag-of-Visual** [WZNM14]. **bags** [HZW<sup>+</sup>11]. **balancing** [DL14]. **bandwidth** [HB08, MMW10, REV<sup>+</sup>12].  
**bandwidth-lookup** [REV<sup>+</sup>12]. **Based** [AR15, DMF17, DG17a, EWSZ15, FSK<sup>+</sup>15, GZLW18, GS18, HJMY15, HMOS17, JTZ<sup>+</sup>16, Lin15, LMF<sup>+</sup>14, MY15, MATW17, MGG17, NHP<sup>+</sup>16, PDD16, RS16, SCXC15, SRPH16, SRAA17, VVSV17, WBRZ17, WBB<sup>+</sup>17, YH14, ZZY<sup>+</sup>14, ZZL<sup>+</sup>17, ZZLL17, ZYC<sup>+</sup>15, ADCB07, ASVE13, BWA13, BAK13, CL07, CML<sup>+</sup>13, DP06, FLM<sup>+</sup>06, GLC05, JC10, JSL07, KK08, LSDJ06, LLKL11, LLHS12, LWL08, LSQ11, MGCH13, MB08, MHT<sup>+</sup>13, NW08, PZ08, QLSQ12, RHS10, REV<sup>+</sup>12, SG07, TCJ08, VPSS<sup>+</sup>13, WZC<sup>+</sup>13, WLQL12, XMST07, YZL<sup>+</sup>14, ZWM12b, ZSO13, ZG08].  
**Basis** [HZC<sup>+</sup>16]. **Be** [GEL<sup>+</sup>15]. **Beat** [ML11]. **Beautiful** [LXL<sup>+</sup>14]. **Becomes** [JSEI16]. **before** [YZL<sup>+</sup>14]. **behavior** [BGP11, NH10]. **Behaviors** [LCC<sup>+</sup>14b].  
**Benchmark** [WJ15a]. **benefits** [WWGT09].  
**Berkeley** [MPSR05]. **Best** [HT15, TB17, ZZMS14, CDGJ09, GPHOH12, JYZC12, KZHC13, SLYS11, Ste12c, XSSZ10].  
**Beyond** [HTT<sup>+</sup>11, RXC14, WCLC18]. **bi** [LYC<sup>+</sup>12]. **bi-layer** [LYC<sup>+</sup>12]. **biased** [LYC<sup>+</sup>12]. **Bidirectional** [JWF18, WYM18].  
**big** [KS09]. **Bilateral** [WCX<sup>+</sup>14]. **bilingual** [ENHN09]. **billions** [ZR13]. **Binary** [CLP17, LQH18]. **biometric** [CW10]. **birth** [Geo05]. **bit** [HH11b, LJP08]. **Bitrate** [SYS17, REV<sup>+</sup>12]. **Blind** [AP10, RS16].  
**blink** [WT10]. **Block** [EC16]. **Body** [CC17].  
**book** [ARE13]. **books** [RSB11]. **Boosted** [QZXH14, YZXY15]. **boosting** [LGX<sup>+</sup>08, WK10]. **broadcast** [HH11c].  
**Broadcasting** [CGNG15, SkFM18, ZRCH08]. **Browse** [SX11]. **browser** [RW12]. **browsing** [LLW<sup>+</sup>13]. **Buffer** [BZDX<sup>+</sup>18, LCK09].  
**builder** [BB11]. **Building** [LLSC12].  
**Cache** [KZGH15]. **Cache-Centric** [KZGH15]. **Caches** [KZGH15]. **Caching** [ABR17, CPP<sup>+</sup>14, CPP<sup>+</sup>13, GS11b, ILL08, LS05, ZO13]. **calibration** [AP13]. **Call** [Ano13, BLJX10, GS11a, KDC08, Ste12c].  
**Camcorder** [SKW<sup>+</sup>15]. **Camera** [GEL<sup>+</sup>15, LCC<sup>+</sup>14a, NAK15]. **Cameraman** [GEL<sup>+</sup>15]. **camerawork** [GL08].  
**CamMark** [SKW<sup>+</sup>15]. **Campaign** [HJMY15]. **campus** [CY11]. **campus-wide** [CY11]. **Can** [GEL<sup>+</sup>15, SkFM18, LW07].  
**candidates** [SLYS11]. **Canonical** [LKM17].  
**capacity** [GZHD12]. **Captioning** [CBSC18, WYM18]. **Capture** [HSR18, ZRCH08]. **capturing** [ZYM<sup>+</sup>10].  
**Cardinalities** [AR15]. **Care** [Whi13].  
**Cascades** [CSJC17]. **Case** [RXC14]. **casual**

[GL08]. **causal** [ZCT<sup>+</sup>07]. **CDN** [YLZ<sup>+</sup>10]. **Celebrity** [LSK<sup>+</sup>15]. **CelebrityNet** [LSK<sup>+</sup>15]. **center** [VPSS<sup>+</sup>13]. **centered** [FPH<sup>+</sup>08, WBL09, CBS08]. **Centric** [KZGH15, PVWD18, DCO10]. **cepstral** [ML11]. **certainty** [NT08]. **Challenges** [GTLG14b, PVWD18, SKVHC18b, LSDJ06, UTK<sup>+</sup>08]. **channel** [HH11c]. **Channels** [YP15, CLC05]. **character** [SY09]. **characteristics** [VGNL10]. **Chief** [dB16]. **children** [ONH07]. **choice** [NT08]. **chunks** [SX11]. **cinematography** [GL08]. **Circle** [HLX<sup>+</sup>14]. **Class** [WCF<sup>+</sup>17]. **Classification** [CIPE18, QZXH14, WCLC18, WJ15b, FLM<sup>+</sup>06, JCC<sup>+</sup>10, LYC11, TV07, ZI13]. **classifier** [LGX<sup>+</sup>08]. **Client** [WBL09]. **Client-centered** [WBL09]. **clients** [GSM<sup>+</sup>08, WLHL13]. **Clip** [PN16]. **Clips** [LMF<sup>+</sup>14]. **close** [HCKL13]. **Clothing** [JWF18]. **Cloud** [AR15, HDZ<sup>+</sup>15, LA15, SRAA17, WCY<sup>+</sup>18, ZLW17]. **Cloud-Assisted** [WCY<sup>+</sup>18, ZLW17]. **Cloud-Based** [SRAA17]. **Clustering** [CZW15, HCW<sup>+</sup>07, TKK<sup>+</sup>17, ZWL15, CFGW05, hHLC10, ULIS07]. **CNN** [ZZY18]. **CO** [ZX14]. **CO-PMHT** [ZX14]. **coconstruction** [VNC<sup>+</sup>11]. **Codes** [CLP17, LQH18, PRH14]. **Codesign** [HDZ<sup>+</sup>15]. **Coding** [DG17b, ADCB07, GL12, HH11c, MC11, RHS12, ZLLT13]. **cognitive** [MC11]. **Coliseum** [BBT<sup>+</sup>05]. **Collaboration** [FAA18]. **Collaborative** [WC12, WKE16, hHLC10, LT14]. **Collage** [BC15]. **Collections** [FHG<sup>+</sup>17, CFGW05]. **Collective** [Yan17]. **Collectiveness** [LCW16]. **Collision** [BOZ17]. **collusion** [FLZ<sup>+</sup>12]. **Color** [YWNW15]. **combined** [QLSQ12]. **Combining** [CC17, WJ15b, YLCC18]. **come** [Cha13]. **Comfort** [Chu15]. **Comics** [TKK<sup>+</sup>17]. **comment** [CTGP08]. **Commerce** [VSV17]. **Communicate** [PRH14]. **Communication** [CIPE18, GNC17, Cho13]. **Communications** [BLJX10, DG17a, Geo05, JTZ<sup>+</sup>16, SSTK07]. **communities** [ZCY<sup>+</sup>13]. **Community** [LXL<sup>+</sup>18, SSS13]. **Compact** [MCM<sup>+</sup>09, SZTL16]. **Comparison** [ZWM12a, HM10]. **Compensated** [GKSB17]. **Compensation** [LPS15]. **Completion** [HZC<sup>+</sup>16, LLCH17, LYCJ12]. **complex** [MVW07]. **Complexity** [LPS15, ZZLL17, HH08b, IB10]. **Component** [AMMG16]. **composition** [EGEM06]. **Compressed** [DG17b, LCSX11, NH10]. **Compression** [LLYH14, FDKB11, KK08, KMP05]. **Compressive** [EC16]. **Computation** [CLS17, YH14, ZYL<sup>+</sup>17, San11]. **Computational** [LK07]. **Computed** [PDD16]. **Computer** [RPE<sup>+</sup>17, WCF<sup>+</sup>17, And13, CCD07, WYM07]. **Computer-Aided** [RPE<sup>+</sup>17, WCF<sup>+</sup>17]. **Computing** [BLJX10, Geo05, LWL08]. **Concept** [MGS18, PDD16, WCF<sup>+</sup>17, BAK13, JCC<sup>+</sup>10, LGX<sup>+</sup>08]. **Concept-Based** [PDD16]. **concept-oriented** [LGX<sup>+</sup>08]. **Concepts** [SKVHC18b]. **conditional** [YH13]. **conductor** [RWP07]. **Conference** [BSH08, JPS05, NLS13, PSS05, TB17]. **confidence** [GLC05]. **confidence-based** [GLC05]. **confidentiality** [YC08]. **Congestion** [GNC17]. **Connection** [CLS17, LCS17]. **connections** [TNEcC08]. **considerations** [PZ08]. **Considering** [YBO14]. **Consistency** [WKE16, MMW10]. **Consistent** [XW17]. **Constant** [CPSH14]. **Constrained** [PB14, FDKB11]. **Constructed** [LSK<sup>+</sup>15]. **Constructing** [ZG08]. **construction** [CML<sup>+</sup>13]. **Consumption** [SS17]. **Content** [BRZS18, BCP14, DP06, FSK<sup>+</sup>15, HMOS17, LSDJ06, MY15, MHT<sup>+</sup>13, XMST07, YSZ15, ZZY<sup>+</sup>14, DY09, Eff13, EGEM06, GA12b, GFB<sup>+</sup>14, GL12, HMVI13, LLC11, SG07, WWL13, WZC<sup>+</sup>13, WBL09, Yan10, ZO13]. **Content-adaptive** [XMST07].

**Content-Aware** [FSK<sup>+</sup>15]. **Content-Based** [HMOS17, ZZ<sup>+</sup>14, DP06, LSDJ06, MHT<sup>+</sup>13, SG07]. **Contents** [Ano11, Ano12, Ano14, Dao17, TOM12, ZCY<sup>+</sup>13]. **Context** [CC17, CBSC18, LL15, RK15, SBU<sup>+</sup>17, YSZ15, APV08, ADCB07, CCK06, FLM<sup>+</sup>06, KTM<sup>+</sup>06, KS13, LWL08, RW12, YGHH12, ZI13]. **Context-Aware** [LL15, RK15, SBU<sup>+</sup>17, LWL08]. **context-based** [FLM<sup>+</sup>06]. **context-specific** [ADCB07]. **Contextual** [MPE<sup>+</sup>11, LYCJ12, MLHL12]. **contingent** [DÇ07, LW07]. **continuity** [LYC<sup>+</sup>12]. **continuity-biased** [LYC<sup>+</sup>12]. **continuous** [SKS13]. **contract** [ZWM12a]. **Contrast** [WQL18]. **Control** [CDZ<sup>+</sup>17, GNC17, MY15, MN16, NAK15, ZZLL17, CCG<sup>+</sup>08, CW10, GHP<sup>+</sup>06, HNL08, HCKL13, HH11c, IB10, LJP08, PZ08, PBS12]. **Controlled** [BFAS15]. **convenient** [LLW<sup>+</sup>13]. **Convergence** [SCFL14]. **Conversational** [BGP11]. **Convolutional** [YLCC18]. **Cooperation** [SRPH16]. **cooperative** [GS11b, ILL08]. **Coordinated** [LS05]. **coordinates** [AH12]. **Coordination** [NAK15, OMP07]. **Copies** [SKW<sup>+</sup>15, CWC10, KH13]. **Copy** [YP15, MHT<sup>+</sup>13]. **corners** [VPSS<sup>+</sup>13]. **correction** [WCK05]. **correlated** [AKO07]. **Correlates** [KYVE14]. **Correlation** [LKM17, ZZLL17, CL07, CL12]. **Correlation-Based** [ZZLL17]. **Correlative** [QHR<sup>+</sup>08]. **Correspondence** [FWLA15, WCX<sup>+</sup>14]. **Counterparts** [SZLL17]. **Counting** [ZZL<sup>+</sup>17]. **Covert** [JTZ<sup>+</sup>16]. **Creating** [TKK<sup>+</sup>17]. **Creation** [MGG17, AVJ05, MB08, RSB11]. **Creators** [JSEI16]. **criterion** [PZ08]. **criterion-based** [PZ08]. **Critical** [ZCT<sup>+</sup>07]. **cropping** [FDKB11]. **Cross** [BXMH15, EWSZ15, FWLA15, HSN<sup>+</sup>14, JWF18, LKM17, YSXH16, YZXY15, ZX14, HH11a, PS05]. **Cross-Domain** [YZXY15, ZX14, PS05]. **Cross-Layer** [EWSZ15, HSN<sup>+</sup>14, HH11a]. **Cross-Modal** [FWLA15]. **Cross-Network** [YSXH16]. **Cross-Platform** [BXMH15]. **Cross-Triplet** [JWF18]. **Cross-View** [LKM17]. **Crowd** [GF17, HDZ<sup>+</sup>15]. **Crowd-Cloud** [HDZ<sup>+</sup>15]. **Crowdsourced** [ZLW17]. **Cryptography** [SA16, WYK12]. **CTU** [ZZLL17]. **CTU-Level** [ZZLL17]. **Cue** [ZWL<sup>+</sup>17]. **cues** [NLN<sup>+</sup>13]. **CZLoD** [WAK<sup>+</sup>12].

**D** [SAZ<sup>+</sup>15, Ste10, Ste12c, AP10, ARE13, CEE09, Chu15, DP06, DÇ07, GZHD12, GS11a, HH12a, HSZ<sup>+</sup>18, JP11, KH13, LLP06, LC12, LCT<sup>+</sup>12, MC11, PB14, RS16, RHS12, SHOG12, WCLC18, WAK<sup>+</sup>12, YWN<sup>+</sup>10a, YWN<sup>+</sup>10b, YI14, YH14, ZDE16]. **Dance** [WSLM18]. **DASH** [KCC17, WBRZ17]. **Data** [LJP08, TKK<sup>+</sup>17, TNP<sup>+</sup>18, YHQH17, ZLH16, AP10, ATM06, COM<sup>+</sup>11, KS13, LT14, LH12, RHS10, WDCX07, YC08]. **databases** [HOSS13]. **DCNNs** [MGG17]. **dear** [Ste10]. **decades** [LWLZ13]. **Decision** [SAZ<sup>+</sup>15, CXS<sup>+</sup>08, IB10]. **Decoder** [LPS15, MPSR05]. **Decoder-Complexity-Aware** [LPS15]. **Decoding** [EC16]. **decomposability** [LYCJ12]. **Decomposition** [HZC<sup>+</sup>16, BWA13]. **decrypting** [NLN<sup>+</sup>13]. **Deep** [AMC<sup>+</sup>18, JWF18, JLW<sup>+</sup>18, ODMD17a, ODMD17b, PS17, SBU<sup>+</sup>17, VVS17, WYM18, WSLM18, ZYL<sup>+</sup>17, ZLH16]. **DeepProduct** [JLW<sup>+</sup>18]. **DeepSearch** [WHF<sup>+</sup>18]. **Defining** [GG06]. **Delay** [MFL<sup>+</sup>16, MATW17, WCY<sup>+</sup>18, GHP<sup>+</sup>06, HNL08, HH11c]. **Delay-Aware** [WCY<sup>+</sup>18]. **Delays** [XW17]. **delivering** [KS09, SLKS12]. **Delivery** [HDZ<sup>+</sup>15, CCG<sup>+</sup>08, DY09, GL12, Hua13, LH12, PS05, QS10]. **Demand** [CPP<sup>+</sup>14, HSN<sup>+</sup>14, CPP<sup>+</sup>13, CE10, GSM<sup>+</sup>08, LLKL11, QS10, SAAH10, TC08]. **Denoising** [HZL<sup>+</sup>16]. **dependency**

[COM<sup>+</sup>11]. **dependent** [JC08]. **deployments** [TC08]. **Depth** [CED<sup>+</sup>16, RS16]. **Depth-Based** [RS16]. **Derivative** [LSQ11]. **Derivative-based** [LSQ11]. **derive** [RHS12]. **Descriptor** [AR15]. **Design** [CDZ<sup>+</sup>17, HH12b, NHP<sup>+</sup>16, SKR09, WBRZ17, JC08, YC08]. **Designing** [PRH14]. **Designs** [BFAS15]. **Detailed** [RPE<sup>+</sup>17]. **detect** [WYM07]. **Detecting** [CYMW07, JC10, ULIS07, ZCY<sup>+</sup>13, CWC10]. **Detection** [BXMH15, BOZ17, CZC15, GZH17, HWHL18, LQZH14, SBU<sup>+</sup>17, SRAA17, ZWL<sup>+</sup>17, BAK13, KO11, LW07, MHT<sup>+</sup>13, SEK12, VPSS<sup>+</sup>13, XC06]. **determination** [MVW07]. **Device** [HJMY15, Zho16, SSTK07]. **Device-Based** [HJMY15]. **Device-to-Device** [Zho16]. **Devices** [CFP15, Chu15, HSN<sup>+</sup>14, LYJ<sup>+</sup>15, LHF<sup>+</sup>14, MKSB17, NSJB17, PB14, RK15, WHF<sup>+</sup>18, HH12a, HH11b, LLSC12, SCFL14]. **Diagnosing** [WLZ12]. **Diagnosis** [RPE<sup>+</sup>17, WCF<sup>+</sup>17]. **Dialocalization** [FYH10]. **diarization** [FYH10]. **Dice** [LLJW15]. **diffusion** [DL14]. **Digital** [BCP14, Dao17, RD17, TB17, WQL18, CBS08, CFGW05, FLZ<sup>+</sup>12, LLC11, SEK12, XMST07]. **dimensional** [JP11]. **Dimensions** [AR15]. **DIP** [GGB14]. **Direction** [ZZLL17]. **Directions** [ZGL<sup>+</sup>18, CBS08, RJ05]. **Dirichlet** [QZXH14]. **Discovering** [FSX14, LSDK12]. **Discovery** [CLS17, LCS17, AH12, GLC05, JP11, ZO13]. **Discrete** [BZDX<sup>+</sup>18, ZWL15]. **Discrete-Time** [BZDX<sup>+</sup>18]. **Discriminative** [YI14, ZCD15]. **Discriminatively** [ZZY18]. **Disk** [RWW05]. **DisplayCast** [CBR14]. **displays** [DÇ07, LW07, SCFL14]. **Dissecting** [LCC<sup>+</sup>14b]. **Dissemination** [LB15]. **distance** [hHLC10]. **Distances** [YP15]. **distortion** [HH08a, HH08b]. **Distributed** [BOZ17, DMF17, EG17, LCS17, MN16, ZCAP08, DL14, GG06, MMW10, OMP07, Yan10, ZO13, ZCT<sup>+</sup>07, GGB14]. **Distribution** [BRZS18, Zho16, CCG<sup>+</sup>08, GHP<sup>+</sup>06, WZC<sup>+</sup>13, YH13]. **Distributions** [ZWL15]. **Diversification** [DNPG<sup>+</sup>17]. **Documents** [CFP15, BB11]. **Does** [COM<sup>+</sup>11]. **Domain** [DG17b, LA15, SZLL17, YZXY15, ZX14, PS05]. **Domical** [GS11b]. **Double** [Lin15]. **Down** [GWM<sup>+</sup>14]. **Dr** [Ste10]. **Drift** [GKSB17]. **Drift-Compensated** [GKSB17]. **Driven** [BRZS18, PFC<sup>+</sup>16, HTT<sup>+</sup>11, SY09, ZO13]. **Drivers** [HDZ<sup>+</sup>15]. **driving** [ZYZ<sup>+</sup>13]. **dropouts** [DCM13]. **Dropping** [FSK<sup>+</sup>15]. **DSI** [Yan10]. **DTI** [CGNG15]. **DTV** [LGF<sup>+</sup>14]. **Dual** [LCC<sup>+</sup>14a, SZLL17]. **Dual-Camera** [LCC<sup>+</sup>14a]. **Dual-Domain** [SZLL17]. **duo** [ONH07]. **Duplicate** [LQZH14, DCO10, ZLLT13, ZHLY11]. **During** [KP15]. **Dynamic** [DL14, HWHL18, MVW08, CXS<sup>+</sup>08, IB10, ZWM12b]. **dynamically** [Bag11]. **Dynamics** [KP15]. **e-book** [ARE13]. **e-Commerce** [VVSV17]. **E-learning** [ASLA18]. **Early** [GZLW18]. **Early-Late** [GZLW18]. **EDCA** [PBS12]. **editing** [CTGP08]. **Editor** [dB16]. **Editor-In-Chief** [dB16]. **Editorial** [SKVHC18a, Ste11, Ste12a, Ste12b, Ste12c, Ste13b, Ste13a, Ste14, YNC18, JPS05, Geo05]. **Education** [FMIS17]. **EEG** [CIPE18, KYVE14]. **Effect** [AMMG16, NH10, ZLH16, ZSO13]. **Effective** [YYS13, LGX<sup>+</sup>08, MC11, SCFL14, ZG08]. **Effects** [TKK<sup>+</sup>17]. **Efficiency** [DG17b, KZGH15]. **Efficient** [BPM15, CLS17, DG17b, GYN12, GZH17, HJMY15, PLZW18, QS10, RW12, San11, WDCX07, WB16, ADCB07, CML<sup>+</sup>13, HH12a, LLSC12, PBS12, YSG<sup>+</sup>06, YH13, ZG08]. **efficiently** [HH11c]. **Egocentric** [HWHL18]. **eigenfaces** [Tur13]. **Elaboration** [BXMH15]. **elderly** [CYMW07]. **Electrical**

[RD17]. **ELVIS** [MA10]. **Embedding** [CLP17, JWF18, WZNM14, ZZY18]. **Emerging** [BXMH15, SKVHC18b]. **Emotion** [ASLA18, CIPE18, KP15, LYC11]. **Emotional** [KTK<sup>+</sup>17]. **empirical** [CY11]. **enabled** [DY09]. **Enabling** [LL15, YWN<sup>+</sup>10a, YWN<sup>+</sup>10b]. **Encoded** [DG17b]. **Encoding** [LPS15, IB10]. **Encrypted** [GZH17, LA15]. **End** [HNL08, CVV06, ZRCH08]. **End-to-end** [HNL08, ZRCH08]. **Endoscopy** [WCF<sup>+</sup>17]. **Energy** [HH12a, HSN<sup>+</sup>14, SLP15]. **Energy-efficient** [HH12a]. **engine** [LLKL11, JWL06]. **Engines** [MKS17]. **Enhanced** [AMMG16, MLQM14, WB16, AG13, GA12b, LCS09]. **Enhancement** [LA15, WQL18, BSS11, HWY<sup>+</sup>11]. **Enhancing** [BOZ17, GA12a, LLW<sup>+</sup>13, YWH<sup>+</sup>17, CBJ<sup>+</sup>09, YLZ<sup>+</sup>10]. **enjoy** [Dao17]. **enrich** [CBJ<sup>+</sup>09]. **Enriched** [VCO15]. **enroute** [LS05]. **Ensemble** [AMC<sup>+</sup>18, GLC05]. **Entertainment** [MA10]. **Entertainment-Led** [MA10]. **Environment** [PB14, YMA17, AVJ05, CYMW07, MVW08]. **Environments** [EG17, HEA14, SHIE15, ARE13, DL14, MVW07, MCM<sup>+</sup>09, MRS<sup>+</sup>07, YWN<sup>+</sup>10a, YWN<sup>+</sup>10b, ZWM12b, ZCT<sup>+</sup>07]. **Equipment** [TC08]. **Errata** [CPP<sup>+</sup>14]. **error** [WCK05]. **errors** [YSG<sup>+</sup>06]. **Estimation** [CZW15, KRKK14, NT08, PLZW18, WQL18, YLCC18, BDV08]. **Evaluation** [CDZ<sup>+</sup>17, RPE<sup>+</sup>17, FPH<sup>+</sup>08, HH12b, VM12, WT10]. **Event** [AMC<sup>+</sup>18, DLZ<sup>+</sup>17, HTT<sup>+</sup>11, QZXH14, TVK18, YZX16, ZX14, CFGW05, PS05, TCJ08, XC06]. **Event-driven** [HTT<sup>+</sup>11]. **events** [ZCT<sup>+</sup>07]. **Evolution** [HNS13]. **Evolving** [KRKK14, WRK14, LCSX11]. **Examining** [MHT<sup>+</sup>08]. **Example** [DLZ<sup>+</sup>17]. **Exercising** [FMIS17]. **Expansion** [HMOS17]. **Experience** [BPT<sup>+</sup>15, HEA14, PVWD18, RT14, SkFM18, YCGM14, MHT<sup>+</sup>08]. **Experience-Centric** [PVWD18]. **Experiential** [Sun13]. **Exploiting** [And13, LYC11, WWL13]. **Exploration** [FSX14, PB14, WWHW14]. **Exploring** [CL07, CL12, WLZ08]. **Exposing** [YQH12]. **Exposure** [HSR18]. **Expression** [YLCC18]. **Extended** [HT15]. **extensible** [TCJ08]. **external** [XC06]. **extraction** [ENHN09, MB08]. **extrapolation** [ZWM12b]. **eye** [CCD07, FPH<sup>+</sup>08, GDGC07, JC08, KK08, MRS<sup>+</sup>07, NT08, ULIS07, VPSS<sup>+</sup>13, WT10]. **eye-gaze** [MRS<sup>+</sup>07]. **eye-gaze-position** [KK08]. **eye-movement-dependent** [JC08]. **eye-tracking** [GDGC07]. **eyes** [WYM07].

**Face** [CC17, KP15, KO11]. **Factorization** [WSLM18, WC12]. **Fair** [PFC<sup>+</sup>16]. **Fake** [CZC15]. **far** [Cha13]. **Fashion** [WB16]. **Fast** [CWC10, LQZH14, SAZ<sup>+</sup>15, WHF<sup>+</sup>18, XW17, CLC05, IB10, ZO13]. **Fast-Paced** [XW17]. **Faster** [DYSX14]. **Feature** [Ber18, LBD08, WCLC18, Yan17, YZX16, ZYL<sup>+</sup>17, ZLP<sup>+</sup>14, DCC<sup>+</sup>13, GLC05, LGX<sup>+</sup>08, ML11, MHT<sup>+</sup>13, San11]. **Features** [HMOS17, JLW<sup>+</sup>18, LPC<sup>+</sup>18, WJ15b, YI14, QLSQ12, XC06]. **Feedback** [CIPE18, DNPG<sup>+</sup>17, FHG<sup>+</sup>17, YBO14]. **Fidelity** [BCP14, MFL<sup>+</sup>16, LLC11]. **Field** [ZWL<sup>+</sup>17, ZLH16]. **Fifteen** [Whi13]. **file** [JKKL08]. **Film** [GAB<sup>+</sup>17]. **Films** [KTK<sup>+</sup>17, VNC<sup>+</sup>11]. **Filtering** [GS18, LLCH17, RSE16]. **find** [Dao17]. **Finding** [TAS16, YZL<sup>+</sup>14, KH13]. **fine** [HH08a, HH08b]. **fine-grained** [HH08a, HH08b]. **fingerprinting** [FLZ<sup>+</sup>12]. **Fingerprints** [YP15]. **first** [AH12, She13]. **Fixation** [MZGY17]. **fixations** [ULIS07]. **Fixed** [MKS17]. **flash** [JKKL08]. **Flexible** [PS05]. **flickr** [JGZ<sup>+</sup>11]. **focus** [RW12]. **Following** [HKYW14]. **Food** [PS17]. **Foot** [LHF<sup>+</sup>14]. **Forensic** [RSE16]. **Forensics** [Ber18, GS18, WQL18]. **Foreword** [Hae10]. **forges** [YQH12]. **forward**



[Row13, WCK05]. **Foveated** [DÇ07, DE12, NH10]. **FPGA** [MGG17]. **FPGA-Based** [MGG17]. **Fractal** [JTZ<sup>+</sup>16]. **Fractional** [PLZW18]. **Fractional-Pixel** [PLZW18]. **Fragment** [CBJ<sup>+</sup>09]. **frame** [YQH12]. **Frames** [DG17b, LLCH17]. **Framework** [CPP<sup>+</sup>14, CLS17, DG17b, HP17, LCS17, SZLL17, WHF<sup>+</sup>18, ZZY<sup>+</sup>14, CPP<sup>+</sup>13, CXS<sup>+</sup>08, HH11a, HCS12, JSL07]. **friend** [Ste10]. **Friendly** [KCC17, SZ12, WCK05]. **Fusing** [SVF12]. **Fusion** [GZLW18, WRK14, WCLC18, XC06, CDA12, CW10, Hae10, RHS10, WK10, WRK14]. **Future** [ZGL<sup>+</sup>18, BCG13, Hua13, RJ05]. **fuzzy** [Bag11].

**Game** [FMIS17, JSEI16, LLKL11, LLJW15, MKSB17, AH12, JC08]. **Game-on-demand** [LLKL11]. **Gamepad** [BFAS15]. **Games** [BFAS15, XW17, HMMVI13]. **Gaze** [TKK<sup>+</sup>17, ADCB07, DÇ07, KK08, LW07, MRS<sup>+</sup>07]. **gaze-contingent** [DÇ07, LW07]. **gaze-tracking** [ADCB07]. **Gender** [CS17]. **General** [LQH18]. **generalized** [NC13]. **Generated** [ZZZ14, ZCY<sup>+</sup>13]. **Generating** [LLJW15, SZLL17, SGW08]. **Generation** [BC15, VCO15, YMX<sup>+</sup>16, CDA12, HMMVI13, SSTK07, XXD<sup>+</sup>08]. **Generic** [BZDX<sup>+</sup>18, RT14, SZTL16, JCC<sup>+</sup>10]. **genetic** [ASVE13]. **Genre** [WJ15b]. **Geo** [FSX14]. **Geo-Informative** [FSX14]. **Geographic** [YSZ15, AP13]. **Geometric** [YWNW15, GZHD12, RHS10, WYM07, ZLLT13]. **geometry** [LLKL11]. **Georeferenced** [TAS16]. **Georganas** [Ste10, Ste12c]. **Geospatial** [YSZZ14]. **geotagged** [PJ13]. **Gesture** [LHF<sup>+</sup>14, ZLP<sup>+</sup>14]. **Gestures** [KTK<sup>+</sup>17]. **Global** [GS18, HMOS17, RXC14]. **Goal** [AKO07]. **Goal-oriented** [AKO07]. **Good** [GEL<sup>+</sup>15]. **GPSView** [ZYZ<sup>+</sup>13]. **grained** [HH08a, HH08b]. **Graph** [HCWM14, CML<sup>+</sup>13]. **Graphics** [PB14, CVV06, SNC12]. **Graphics-Constrained** [PB14]. **graphs** [HOSS13]. **GridCast** [CSJ<sup>+</sup>08]. **Grocery** [AWG<sup>+</sup>15]. **Growing** [HWHL18]. **Guaranteed** [LB15]. **Guest** [JPS05, SKVHC18a, YNC18]. **Guided** [ZZZ14]. **Guides** [SBU<sup>+</sup>17].

**H.264** [IB10, LLHS12]. **H.265** [GKSB17]. **H.265/HEVC** [GKSB17]. **Hamming** [WZNM14]. **Hand** [HWHL18, LHF<sup>+</sup>14]. **Handheld** [LHF<sup>+</sup>14]. **Handling** [ATM06, MDMK06]. **handoff** [LWL08]. **handwritten** [ASVE13]. **Haptic** [CIPE18, HEA14, ARE13, ASVE13, KTM<sup>+</sup>06, SOC<sup>+</sup>13]. **haptic-to-audio** [SOC<sup>+</sup>13]. **haptic-to-video** [SOC<sup>+</sup>13]. **Harmonic** [YWNW15]. **hashing** [CWC10, LYJ<sup>+</sup>13, LMLC14]. **hatching** [WYK12]. **Hazy** [CH15]. **Healthy** [AWG<sup>+</sup>15]. **hearing** [HWY<sup>+</sup>11]. **hearing-impaired** [HWY<sup>+</sup>11]. **heat** [DL14]. **Helpers** [RXC14]. **Heterogeneous** [LPS15, GSM<sup>+</sup>08, LLSC12, LC12, QS10]. **Heuristic** [PFC<sup>+</sup>16]. **HEVC** [DG17b, GKSB17, PLZW18, SAZ<sup>+</sup>15, ZLL17]. **hiding** [LT14]. **Hierarchical** [HB08, ZCL<sup>+</sup>12]. **Hierarchy** [TJN14, ZZY<sup>+</sup>14, LGX<sup>+</sup>08]. **High** [CBR14, DG17b, LCC<sup>+</sup>14a, MFL<sup>+</sup>16, CVV06, GZHD12]. **high-capacity** [GZHD12]. **High-Efficiency** [DG17b]. **high-end** [CVV06]. **High-Fidelity** [MFL<sup>+</sup>16]. **High-Resolution** [LCC<sup>+</sup>14a]. **Histograms** [GS18]. **historical** [HNS13]. **History** [LLYH14, LT14]. **Hitchcock** [SGW08]. **HMM** [GZLW18]. **Hoc** [LB15]. **holistic** [BSS11]. **home** [CYMW07, GS11b]. **house** [MVW08]. **HTTP** [CDZ<sup>+</sup>17, SYS17]. **Human** [GEL<sup>+</sup>15, HSZ<sup>+</sup>18, KRKK14, LLCH17, RD17, SOC<sup>+</sup>13, YHQH17, ZCD15, ZLP<sup>+</sup>14, And13, DCO10, JP11, TCW<sup>+</sup>13, WYM07, CBS08]. **Human-centered** [CBS08]. **human-centric** [DCO10].

**human-computer** [And13, WYM07]. **Hybrid** [BQBLN18, LGF<sup>+</sup>14, VPSS<sup>+</sup>13]. **Hyper** [SGW08]. **Hyper-Hitchcock** [SGW08]. **hypergraph** [TBC<sup>+</sup>11]. **hypervideo** [SGW08].

**I/O** [RWW05]. **Identification** [CS17, GGB14, PJ13, WWH17, YP15, YWH<sup>+</sup>17]. **Identifying** [LLYH14]. **Identity** [ASVE13, CW10]. **IEEE** [LCK09, PBS12]. **illustration** [JWL06]. **Image** [AR15, CBSC18, DE12, EC16, LA15, LQZH14, LYCJ12, LYJ<sup>+</sup>13, PDD16, RS16, RSE16, SRAA17, SZTL16, SZTZ18, WHF<sup>+</sup>18, WYM18, WYK12, WQL18, WB16, YWNW15, ZR13, ZZY<sup>+</sup>14, ZLN<sup>+</sup>16, ZLH16, BWA13, CLC05, DCC<sup>+</sup>13, hHLC10, HOSS13, LBD08, LMLC14, MLHL12, MB08, QLSQ12, TCW<sup>+</sup>13, YGHH12, YYS13, ZYM<sup>+</sup>10, ZI13, ZG08, ZLLT13, ZHLY11]. **image-keyword** [LMLC14]. **Imagery** [BCP14, LLC11]. **Images** [CH15, CS17, CLS17, CC17, DNPG<sup>+</sup>17, HZL<sup>+</sup>16, LSK<sup>+</sup>15, VCO15, Yan17, ZZC<sup>+</sup>15, HCW<sup>+</sup>07, HZW<sup>+</sup>11, LMLC14, PJ13]. **ImageSense** [MLHL12]. **imaging** [DÇ07]. **IMCE** [AVJ05]. **Immersive** [KTK<sup>+</sup>17, ARE13, BBT<sup>+</sup>05, Cho13, MRS<sup>+</sup>07, WAK<sup>+</sup>12, YWN<sup>+</sup>10a, YWN<sup>+</sup>10b]. **impact** [AG13, Cha13]. **impaired** [HWY<sup>+</sup>11]. **implementation** [PZ08]. **Implicit** [CIPE18]. **Improve** [KZGH15]. **Improved** [Ber18, BCP14]. **Improving** [ENHN09, PDD16, CSJ<sup>+</sup>08, GL08]. **In-video** [LWL<sup>+</sup>12]. **Incentive** [SRPH16, ILL08]. **Incentive-Based** [SRPH16]. **Incentives** [WLQL12]. **Incomplete** [ZLH16]. **Inconspicuous** [SZLL17]. **Incorporating** [LGX<sup>+</sup>08]. **incremental** [BB11]. **index** [LLHS12]. **index-based** [LLHS12]. **Indexing** [WZNM14, CWC10, VV11, Yan10]. **Individual** [ZGL<sup>+</sup>18]. **Indoor** [LL15]. **inefficiencies** [WLZ12]. **inference** [MPE<sup>+</sup>11]. **influence** [SX13]. **Information** [AG13, CC17, YSZ15, ZZC<sup>+</sup>15, ASVE13, CCK06, Cha13, HAS11, LSDJ06, LWL<sup>+</sup>12, TBC<sup>+</sup>11, XC06, ZWM12a, ZWM12b]. **information-based** [ZWM12b]. **Informative** [FSX14, WZNM14]. **insertion** [MB08]. **insertion-extraction** [MB08]. **Instance** [WJ15a]. **Instance-Level** [WJ15a]. **INSTRE** [WJ15a]. **Integrated** [AVJ05]. **Integration** [LGF<sup>+</sup>14, AP13, Yan10]. **Integrity** [BCP14, LLC11]. **Intelligence** [Yan17]. **Intensifying** [KTK<sup>+</sup>17]. **intent** [ZYM<sup>+</sup>10]. **Inter** [AMMG16]. **Inter-Component** [AMMG16]. **Interact** [NSJB17]. **Interaction** [LGF<sup>+</sup>14, LHF<sup>+</sup>14, MFL<sup>+</sup>16, And13, RWP07, RHS10, WYM07]. **interactions** [BRA<sup>+</sup>09, CYMW07, HCKL13, ZSO13]. **Interactive** [CPSH14, GAB<sup>+</sup>17, HCKL13, LMF<sup>+</sup>14, OBBW12, PB14, SCXC15, UTK<sup>+</sup>08, VNC<sup>+</sup>11, WWHW14, CTGP08, CVV06, CBS08, LJP08, MMW10, NW08, SCFL14, SNC12, TCW<sup>+</sup>13, TTR12]. **Interest** [KRKK14, TAS16, CL12, FDKB11]. **interfaces** [FPH<sup>+</sup>08]. **interleaving** [CLC05]. **International** [JPS05, NLS13]. **Internet** [CCG<sup>+</sup>08, JTZ<sup>+</sup>16, LWLZ13, WWL13, ZYM<sup>+</sup>10]. **Interpolation** [JTZ<sup>+</sup>16]. **intranet** [CBR14]. **Introduction** [BJLX11, CCK06, CDGJ09, CBS08, CCO15, GPHOH12, GDGC07, GTLG14a, HT15, Kan12, KZHC13, NLS13, ODMD17b, SCXC15, SLYS11, SHOG12, XSSZ10, ZZMS14]. **Invariant** [RS16, YWNW15, GZHD12]. **Investigating** [BFAS15]. **Invisible** [MB08]. **IP** [BDV08, SSTK07]. **IPTV** [LCC<sup>+</sup>14b, VGNL10]. **IR** [RHS10]. **iris** [VPSS<sup>+</sup>13]. **ISP** [FAA18, SZ12]. **ISP-friendly** [SZ12]. **Issue** [CCO15, GTLG14a, HT15, ODMD17b, SCXC15, SKVHC18a, ZZMS14, BLJX10,

BJLX11, CCK06, CBS08, Dao17, GS11a, GDGC07, Hae10, Kan12].

**JAUNE** [HP17]. **Joint** [EC16, HP17, YLCC18, FYH10, ZC12]. **JPEG** [ZC12]. **JPEG-2000** [ZC12].

### Kernel

[ASLA18, LKM17, WZNM14, QLSQ12]. **kernels** [QHR+08]. **key** [YH13]. **keyframe** [ZHLY11]. **keyword** [LMLC14]. **keywords** [XXD+08]. **Knowledge** [JP11].

**Label** [LQH18, LYC+12, LYCJ12].

**Label-to-region** [LYC+12]. **labeling**

[TCW+13]. **Labels** [ZLN+16]. **LAN** [BPM15]. **Landmark** [YSZ15]. **landmarks** [JGZ+11]. **Language**

[GZLW18, CL07, ML11, MGCH13]. **Large** [CML+13, FHG+17, LSK+15, LCC+14a, CE10, DCM13, VGNL10, WDCX07, WLZ08, ZLLT13]. **Large-Area** [LCC+14a].

**Large-Scale** [LSK+15, CML+13, CE10, VGNL10, WLZ08, ZLLT13]. **Late**

[GZLW18, LW07]. **latency** [GKW08].

**Latent** [MGS18, QZXH14, WCF+17].

**Launching** [HJMY15]. **Layer** [EWSZ15, FSK+15, HSN+14, HH11a, LYC+12].

**Layered** [CLC05, GL11, ZC12]. **Layout**

[YMX+16, BZ05, HCW+07]. **LBSNs** [ZCY+13]. **lead** [ONH07]. **Learned**

[ZZY18]. **Learning**

[ASLA18, BPT+15, BC15, DG17a, LQH18, MGS18, ODMD17a, ODMD17b, PS17, RK15, SWH06, VVS17, WWHW14, WYM18, Yan17, YZXY15, ZYL+17, CL07, hHLC10, MRS11, TTR12, ZI13, ZHLY11].

**Learning-Based** [DG17a, VVS17]. **Least**

[XW17]. **lecture** [ZRCH08]. **Led** [MA10].

**lessons** [She13]. **Level** [LXL+18, WJ15a, ZZLL17, KDC08, MSL10, OMP07]. **Library**

[Dao17]. **licenses** [SEK12]. **Life** [JSEI16].

**Light** [ZWL+17]. **lightweight** [MHT+08].

**Linear** [RSE16]. **Link**

[LYJ+15, VCO15, HCW+07]. **Link-Aware**

[LYJ+15]. **links** [HNL08]. **Live** [BQBLN18, GGB14, JSEI16, LCC+14b, MN16, MATW17, RXC14, SS17, SkFM18, YH14, KW11, SZ12, WWGT09, WLZ08, WLZ12].

**Livecast** [ZLW17]. **LiveSky** [YLZ+10].

**load** [DL14]. **Local** [HMOS17, QLSQ12].

**Localization** [PN16, SRAA17, FYH10, LML+13, NC13, WT10]. **Location**

[FSX14, NHP+16, REV+12, SG07].

**Location-Based** [NHP+16, REV+12].

**locations** [PJ13]. **LOD** [DÇ07]. **log**

[JKKL08]. **log-structured** [JKKL08].

**Logic** [YH14]. **Lollipop** [RD17]. **look**

[Eff13]. **Looking** [DCO10, Row13]. **lookup**

[REV+12, ZCL+12]. **Loss**

[CPSH14, JTZ+16, CLC05]. **lossless**

[MTTH13]. **lossy** [LLP06]. **Low**

[GKW08, MFL+16, MATW17, FKFB05].

**Low-Delay** [MATW17].

**Low-Interaction-Delay** [MFL+16].

**Low-latency** [GKW08]. **low-power**

[FKFB05]. **LSTMs** [WYM18]. **LTE**

[FSK+15]. **lyrics** [MSL10].

**MAC** [BPM15]. **Machine**

[DG17a, GEL+15]. **Major** [TESU16].

**malicious** [JC10]. **managed** [PS05].

**Management** [FAA18, MY15, PVWD18, SKVHC18a, SKVHC18b, DÇ07, ZCAP08].

**MANETs** [SKSZ13]. **manifold** [WYM07].

**many** [CBR14, CL07]. **many-to-many**

[CBR14]. **many-to-one** [CL07]. **Masking**

[AMMG16]. **Massive** [EG17, ZWL15].

**match** [ZLLT13]. **Matching**

[Lin15, CWC10, MHT+13, ZHLY11].

**matchings** [GYN12]. **Matrix**

[HZC+16, WSLM18, QLSQ12, WC12].

**matter** [COM+11]. **matters** [Han13].

**maximizing** [MMW10]. **Meaningful**

[SA16]. **Measurement** [LCL14].

**Measurements**

[SkFM18, TESU16, GHP+06]. **Measuring**

[LCW16, ZGL+18]. **Mechanism**

[Lin15, SHIE15, SYS17]. **mechanisms** [BZ05, ZWM12a]. **Media** [BPT<sup>+</sup>15, CSJC17, FHG<sup>+</sup>17, GTLG14a, TVK18, ZGL<sup>+</sup>18, AVJ05, Ano13, BLJX10, BJLX11, CY11, CCG<sup>+</sup>08, CXS<sup>+</sup>08, GS11b, GA12b, GSM<sup>+</sup>08, ILL08, LJP08, LSDK12, RSB11, SX11, Sun13, TBC<sup>+</sup>11, TSHP05, ZO13]. **Median** [GS18]. **Medical** [RPE<sup>+</sup>17]. **Medley** [LLJW15]. **Memory** [YZL<sup>+</sup>14]. **Mesh** [YI14, COM<sup>+</sup>11, ZSO13]. **mesh-based** [ZSO13]. **meshes** [LLP06]. **messaging** [MHT<sup>+</sup>08]. **Metadata** [MDMK06]. **Method** [WRK14, LT14, RWP07, VPSS<sup>+</sup>13]. **methodology** [RHS12]. **metric** [hHLC10]. **metrics** [RHS12]. **Microblogs** [WCX<sup>+</sup>14]. **middle** [Swa13]. **Middleware** [LLP06, ZO13]. **min** [CWC10]. **min-hashing** [CWC10]. **Mining** [JGZ<sup>+</sup>11, YZX16, YSZZ14, LWL<sup>+</sup>12, SX11]. **Mixed** [LMLC14]. **Mixtape** [FHG<sup>+</sup>17]. **MMS** [YK07]. **MMSys** [TB17, CCO15]. **MobiCoop** [SRPH16]. **Mobile** [AWG<sup>+</sup>15, ARE13, CFP15, Chu15, FMIS17, HJMY15, HSN<sup>+</sup>14, JLW<sup>+</sup>18, LYJ<sup>+</sup>15, MKSB17, NHP<sup>+</sup>16, ODMD17a, ODMD17b, PS17, RK15, SkFM18, SRPH16, WHF<sup>+</sup>18, ZYL<sup>+</sup>17, Zho16, GS11a, GYN12, HH12a, HH12b, HH11b, HH11c, JYZC12, JKKL08, KS09, LCT<sup>+</sup>12, LML<sup>+</sup>13, RHS10, SCFL14, SNC12, SHOG12, YH13, ZC12]. **Modal** [FWLA15, Ano13]. **modality** [NLN<sup>+</sup>13]. **Mode** [SAZ<sup>+</sup>15, IB10]. **Model** [HEA14, MGS18, RT14, WCX<sup>+</sup>14, ZYL<sup>+</sup>17, JC08, TBC<sup>+</sup>11, Yan10, YGHH12, ZWM12b, DY09]. **Modeling** [BC15, BZDX<sup>+</sup>18, COM<sup>+</sup>11, HAS11, KTM<sup>+</sup>06, SKW<sup>+</sup>15, SS17, YSXH16, YHQH17, ZSO13, JGZ<sup>+</sup>11]. **Models** [AMC<sup>+</sup>18, DG17a, DP06, GZHD12, HH08b, MCM<sup>+</sup>09]. **Moment** [GS18]. **Monitoring** [LCC<sup>+</sup>14a, HAS11, JC10, LCSX11]. **Mopsi** [FMIS17]. **most** [Dao17]. **Motion** [CZW15, Chu15, GZH17, LPS15, PLZW18, AP10, JP11, LZP07]. **movement** [JC08]. **movements** [NT08]. **MOWL** [MGCH13]. **MP3** [YQH12]. **MPEG** [MPSR05, SG07, WCK05]. **MPEG-1** [MPSR05]. **MPEG-4** [SG07]. **MRFs** [WB16]. **MulSeMedia** [Ano13, GTLG14a, GTLG14b, YCGM14]. **Multi** [EG17, LPC<sup>+</sup>18, MGS18, NAK15, PS17, SHIE15, WCF<sup>+</sup>17, WYM18, ZX14, ZWL<sup>+</sup>17, Ano13, NLN<sup>+</sup>13, YWN<sup>+</sup>10a]. **Multi-Avatar** [SHIE15]. **Multi-Camera** [NAK15]. **Multi-Class** [WCF<sup>+</sup>17]. **Multi-Concept** [MGS18]. **Multi-Cue** [ZWL<sup>+</sup>17]. **Multi-Event** [ZX14]. **Multi-Food** [PS17]. **multi-modal** [Ano13]. **multi-modality** [NLN<sup>+</sup>13]. **multi-party** [YWN<sup>+</sup>10a]. **Multi-Task** [WYM18]. **Multi-User** [EG17]. **Multi-Variate** [LPC<sup>+</sup>18]. **Multicast** [WCO15, GL11, GL12, YC08]. **multicasting** [HH12a]. **Multichannel** [LKM17]. **Multichannel-Kernel** [LKM17]. **multidepth** [KMP05]. **Multifeature** [HSZ<sup>+</sup>18, YZXY15, ZI13]. **MultiFusion** [WK10]. **Multigranularity** [MRS11]. **multihop** [HNL08]. **multilabel** [CML<sup>+</sup>13, LMLC14, QHR<sup>+</sup>08]. **multilayer** [PZ08]. **Multilayered** [LCC<sup>+</sup>14a]. **Multilevel** [WJ15b]. **Multimedia** [AMMG16, BSH08, BXMH15, BLJX10, CDGJ09, CW10, GPHOH12, Geo05, Han13, HSN<sup>+</sup>14, HT15, JPS05, LQH18, MLQM14, ODMD17a, ODMD17b, PSS05, RPE<sup>+</sup>17, She13, SLYS11, SKVHC18a, SKVHC18b, TB17, TNEcC08, WKST08, WCX<sup>+</sup>14, WRK14, XSSZ10, YK07, YNC18, ZZMS14, ZYL<sup>+</sup>17, AG13, ATM06, AKO07, Bag11, BH05, BCG13, CCK06, Cha13, DY09, Eff13, ETF06, GS11a, GDGC07, GA12a, GA12b, GFB<sup>+</sup>14, GG06, Hae10, HNL08, HM10, HAS11, HNS13, JKKL08, Kan12, KZHC13, LSDJ06, LS05, LWL08, MGCH13, OMP07, PZ08, PS05, RWW05, RJ05, Row13, SKSZ13, SG07, SX13, SSTK07, SHOG12, SOC<sup>+</sup>13,

SKR09, SLKS12, WDCX07, WK10, WZC<sup>+</sup>13, WBL09, Yan10, YC08, ZCY<sup>+</sup>13, NLS13]. **Multimedia-Rich** [WCX<sup>+</sup>14]. **Multimodal** [CXC<sup>+</sup>17, DNPG<sup>+</sup>17, GTLG14a, LGF<sup>+</sup>14, LHF<sup>+</sup>14, MZGY17, QZXH14, TVK18, WCLC18, YNC18, YHQH17, And13, MVW08, MHT<sup>+</sup>13]. **Multiparty** [DMF17, YWN<sup>+</sup>10b]. **Multipath** [WWGT09]. **Multiphase** [EC16]. **Multiplatform** [TVK18]. **Multiplayer** [XW17]. **Multiple** [ASLA18, GTLG14a, KP15, LPS15, MGS18, MLQM14, ZZZ14, ATM06, NT08, SVF12, TNEc08, Ano13]. **multiple-choice** [NT08]. **Multiple-Scent** [MLQM14]. **Multiplexing** [CXC<sup>+</sup>17, HH11b]. **multirelational** [LCSX11, LSDK12]. **multiresolutional** [LW07]. **multisensor** [HAS11]. **Multisensorial** [LGF<sup>+</sup>14]. **Multisource** [BQBLN18]. **Multiview** [EC16, HH12a, RHS12]. **Museum** [NHP<sup>+</sup>16]. **Music** [CFP15, HDZ<sup>+</sup>15, SY09, WWHW14, WJ15b, DCM13, FLM<sup>+</sup>06, HCS12, KS13, LYC11, MSL10, ML11, SXM<sup>+</sup>06, TBC<sup>+</sup>11, Whi13, XMST07]. **Music-driven** [SY09]. **Musical** [LLJW15, ONH07, ZCAP08]. **Musicalization** [TNP<sup>+</sup>18]. **My** [GEL<sup>+</sup>15].

**narrative** [JSL07]. **narrative-based** [JSL07]. **narratives** [UTK<sup>+</sup>08]. **Navigate** [FHG<sup>+</sup>17]. **Navigating** [SSS13]. **Navigation** [TJN14]. **Near** [LQZH14, MTTH13, ZHLY11, DCO10]. **Near-Duplicate** [LQZH14, ZHLY11, DCO10]. **Near-lossless** [MTTH13]. **Negative** [YBO14]. **Network** [BRZS18, CPP<sup>+</sup>14, CDZ<sup>+</sup>17, EC16, GNC17, KCC17, LSK<sup>+</sup>15, TB17, YSXH16, AH12, CPP<sup>+</sup>13, CXS<sup>+</sup>08, GL12, LWL08, TC08, WLZ12]. **Network-Assisted** [BRZS18, KCC17, CDZ<sup>+</sup>17]. **Network-Aware** [GNC17]. **network-wide** [WLZ12]. **networked** [MCM<sup>+</sup>09, ZWM12b].

**Networking** [MY15, FKFB05]. **Networks** [BOZ17, FSK<sup>+</sup>15, LCL14, LB15, SZTT18, YLCC18, ZLH16, BDV08, BRA<sup>+</sup>09, GS11b, HH12b, HH11a, HH11c, LS05, LLP06, LCK09, LCSX11]. **neural** [LWL08]. **neural-network-based** [LWL08]. **news** [LLW<sup>+</sup>13, OBBW12, SWH06]. **next** [SSTK07, She13]. **NextSlidePlease** [SLKS12]. **Nicolas** [Ste10, Ste12c]. **nodes** [JC10]. **Noise** [RSE16, YMA17]. **Noisy** [ZLN<sup>+</sup>16, WDCX07]. **nominations** [Ste12c]. **noncontinuous** [ZO13]. **Nonlinear** [RSE16]. **Nonlocal** [HZZL<sup>+</sup>16]. **nonrigid** [ZHLY11]. **NOSSDAV** [TB17, CCO15]. **Note** [Ste14, Ste12b, Ste12c, Ste13b]. **notice** [Ste11]. **Noticeable** [XW17]. **Novel** [BQBLN18, LC12]. **Nuisance** [KDC08]. **Number** [Ano11, Ano12, Ano14, SRAA17, TOM12]. **nursing** [CYMW07].

**O** [FMIS17, RWW05]. **O-Mopsi** [FMIS17]. **Obituary** [Ste10]. **Object** [QLSQ12, SZTL16, WJ15a, LS05, TCJ08, ZG08]. **Object-based** [QLSQ12, ZG08]. **objective** [RHS12]. **objects** [VV11]. **Observation** [LLCH17]. **Occupation** [CC17]. **OCR** [ZZC<sup>+</sup>15]. **octave** [ML11]. **Octree** [YH14]. **Octree-Based** [YH14]. **Odor** [KYVE14]. **Offering** [YC08]. **offline** [NH10]. **offsets** [YQH12]. **Olfaction** [AMMG16, AG13, GA12a, GA12b]. **Olfaction-Enhanced** [AMMG16, AG13, GA12b]. **On-Demand** [HSN<sup>+</sup>14, GSM<sup>+</sup>08, QS10, SAAH10]. **On-Screen** [BFAS15]. **On-the-Spot** [VVS17]. **one** [CL07]. **Online** [ABR17, Ano11, Ano12, Ano14, CZC15, GZLW18, Hua13, JSEI16, JWF18, KRKK14, LSK<sup>+</sup>15, MVW07, SZTT18, TOM12, TAS16, XW17, ZLP<sup>+</sup>14, BRA<sup>+</sup>09, CXS<sup>+</sup>08, Dao17, LLKL11, LYC11]. **online-only** [Dao17]. **only** [Dao17]. **ontology** [BAK13, FLM<sup>+</sup>06, MGCH13]. **open**

[OMP07]. **Operating** [GEL<sup>+</sup>15, TB17]. **Opinion** [PN16]. **Opportunities** [UTK<sup>+</sup>08]. **Optimal** [GL11, TAPP<sup>+</sup>15, AKO07, HB08, WLQL12]. **Optimization** [EWSZ15, NW08, WCY<sup>+</sup>18, FLZ<sup>+</sup>12, FYH10, GL12, HH11a, LCK09]. **optimized** [HH08a, YK07]. **Optimizing** [MMW10, WBB<sup>+</sup>17, TCW<sup>+</sup>13, AH12]. **Order** [XW17, YHQH17, ZCT<sup>+</sup>07]. **Organization** [LMF<sup>+</sup>14, LLW<sup>+</sup>13]. **organizing** [SX11]. **Oriented** [TAS16, AKO07, JSL07, LCT<sup>+</sup>12, LGX<sup>+</sup>08]. **Orienteering** [FMIS17]. **OSNs** [SZZT18]. **OTT** [FAA18]. **OTT-ISP** [FAA18]. **our** [Ste10]. **Outlier** [LLCH17, DCC<sup>+</sup>13]. **output** [ETF06]. **Outsourced** [HZL<sup>+</sup>16, YMA17]. **Over-** [HSR18]. **Overhead** [CPSH14]. **overlapping** [ZCY<sup>+</sup>13]. **Overlay** [RXC14, LLSC12, VGNL10, YC08]. **overview** [SGW08].

**P2P** [BQBLN18, CSJ<sup>+</sup>08, GGB14, LLSC12, MN16, SZ12, WLQL12, WLZ12, YLZ<sup>+</sup>10, ZCL<sup>+</sup>12, ZSO13]. **P2P/** [BQBLN18]. **Paced** [XW17]. **Packet** [JTZ<sup>+</sup>16, CLC05]. **packet-loss** [CLC05]. **page** [HCW<sup>+</sup>07, HZW<sup>+</sup>11]. **Pair** [Lin15]. **Paired** [YP15]. **Panoptes** [FKFB05]. **Panorama** [PB14]. **panoramic** [DE12]. **paper** [SLYS11, Ste12c]. **Papers** [HT15, TB17, ZZMS14, Ano13, BLJX10, CDGJ09, GPHOH12, GS11a, KZHC13, PSS05, XSSZ10]. **paradigm** [CTGP08]. **Parallel** [ZWL15, EGEM06, GFB<sup>+</sup>14]. **Parametric** [DG17a]. **parents** [ONH07]. **Parsing** [WB16]. **Partial** [KP08, ZLLT13]. **partial-duplicate** [ZLLT13]. **Participatory** [HJMY15]. **partner** [HCKL13]. **party** [YWN<sup>+</sup>10a]. **passive** [CCD07]. **Past** [dB16, BCG13, Hua13]. **Patches** [ZCD15]. **patching** [HB08]. **pattern** [WT10, ZO13]. **pay** [YH13]. **pay-TV** [YH13]. **Paying** [CBSC18]. **Peaks** [YP15]. **peer** [CSJ<sup>+</sup>08, CL12, JC10, LH12, TSHP05, VGNL10, WLZ08]. **peer-based** [JC10]. **peer-to-peer** [CL12, JC10, LH12, TSHP05, VGNL10, WLZ08]. **People** [ZZL<sup>+</sup>17]. **Perception** [KYVE14, GA12b, GG06, KTM<sup>+</sup>06, SOC<sup>+</sup>13]. **Perceptual** [SZLL17, KK08]. **Performance** [CDZ<sup>+</sup>17, MKSB17, BBT<sup>+</sup>05, CBR14, WKST08, WWGT09]. **Performances** [WSLM18, ONH07, ZCAP08]. **peripheral** [DÇ07]. **Person** [LKM17, YWH<sup>+</sup>17, ZZY18, AH12]. **personal** [Eff13]. **Personalization** [CED<sup>+</sup>16, SSTK07]. **Personalized** [DYSX14, HCWM14, LXL<sup>+</sup>18, WWHW14, YBO14, WWL13]. **perspective** [DCO10, FPH<sup>+</sup>08, MDMK06, ZWM12a]. **Perspectives** [GTLG14b]. **Pervasive** [MY15, NSJB17]. **PhD** [Ste10]. **Photo** [BC15, ZLN<sup>+</sup>16, CFGW05, RSB11]. **Photograph** [YBO14]. **Photographs** [TAS16, BSS11]. **Photography** [RK15]. **photos** [SSS13]. **Phrases** [PRH14, ZG08]. **physical** [RHS10]. **piano** [ONH07]. **picture** [KS09]. **Pictures** [WCX<sup>+</sup>14]. **Picturing** [JWL06]. **Pithos** [EG17]. **Pixel** [Lin15, PLZW18]. **placement** [LJP08]. **PLACID** [MGG17]. **Placing** [TJN14]. **planner** [ZYZ<sup>+</sup>13]. **planning** [REV<sup>+</sup>12]. **plant** [MCM<sup>+</sup>09]. **Platform** [BXMH15, MGG17]. **platforms** [GFB<sup>+</sup>14, LT14]. **Playout** [LCK09]. **Pleasant** [KYVE14]. **Please** [Dao17]. **Pleasing** [BC15]. **Plenoptic** [HSR18]. **PMHT** [ZX14]. **PMS** [BQBLN18]. **POB** [SRAA17]. **Point** [LYJ<sup>+</sup>15]. **Point-to-Point** [LYJ<sup>+</sup>15]. **Points** [TAS16, ATM06]. **Polar** [YWNW15]. **Polluters** [GGB14]. **Pooling** [WCF<sup>+</sup>17]. **pop** [ML11]. **Portable** [JLW<sup>+</sup>18]. **Portal** [TESU16]. **position** [KK08]. **Positive** [YBO14]. **potential** [MRS<sup>+</sup>07]. **Power** [SS17, FKFB05]. **practice** [ONH07]. **pre** [CLC05]. **pre-interleaving** [CLC05].

**Predicting** [CC17]. **Prediction** [CSJC17, DG17a, LXL<sup>+</sup>18, MZGY17, SYS17, KW11, SAAH10]. **Predictions** [MATW17]. **Predictive** [KK08, ZWM12a]. **Preference** [LLJW15]. **Preferences** [BC15]. **prefetching** [LJP08]. **presence** [MHT<sup>+</sup>08, YSG<sup>+</sup>06]. **present** [BCG13, Hua13]. **Presentation** [YMX<sup>+</sup>16]. **Presentations** [AMMG16, SLKS12]. **Preservation** [BCP14, LLC11]. **Preserving** [LQH18, SZZT18, SKSZ13]. **principles** [HNS13]. **Printing** [ZDE16]. **Priorities** [FSK<sup>+</sup>15]. **prioritization** [ETF06]. **priors** [LYC<sup>+</sup>12]. **Privacy** [KCC17, SKSZ13, SZZT18, CCG<sup>+</sup>08, MVW08]. **Privacy-Friendly** [KCC17]. **Privacy-Preserving** [SZZT18]. **Probability** [WBB<sup>+</sup>17]. **problem** [FYH10]. **Procedural** [HMVI13]. **Process** [ETF06]. **Processing** [YH14, EGEM06]. **Product** [JLW<sup>+</sup>18, LWL<sup>+</sup>12]. **production** [ETF06]. **Professor** [Ste10]. **profilable** [ZCY<sup>+</sup>13]. **programming** [ASVE13]. **progress** [UTK<sup>+</sup>08]. **Progressive** [CZW15, PB14, SA16, CLC05, COM<sup>+</sup>11, LLP06, MCM<sup>+</sup>09]. **projection** [ULIS07]. **Propagation** [HCWM14, LCL14, WZC<sup>+</sup>13, CML<sup>+</sup>13, HOSS13]. **Propagation-based** [WZC<sup>+</sup>13]. **PROPANE** [PB14]. **properties** [WYM07]. **Proposal** [ZGL<sup>+</sup>18]. **Proposed** [ABR17]. **Protecting** [BCP14, LLC11]. **Protection** [CPSH14, CLC05, CCG<sup>+</sup>08]. **Protocol** [JTZ<sup>+</sup>16, LB15, PB14, OMP07]. **Providing** [ZCL<sup>+</sup>12, ILL08]. **proxies** [LS05]. **Proxy** [RXC14, DY09, ILL08]. **proxy-enabled** [DY09]. **PSNController** [MY15]. **psychophysical** [WAK<sup>+</sup>12]. **punishment** [BAK13]. **pursuing** [LYCJ12]. **pursuit** [DCC<sup>+</sup>13]. **pyramid** [MHT<sup>+</sup>13]. **Python** [GFB<sup>+</sup>14].

**QoE** [SKVHC18a, BRZS18, EWSZ15, FAA18, FSK<sup>+</sup>15, LCT<sup>+</sup>12, MATW17, PFC<sup>+</sup>16, SKVHC18b, WBRZ17, ZGL<sup>+</sup>18].

**QoE-Aware** [FAA18, WBRZ17]. **QoE-Based** [EWSZ15, FSK<sup>+</sup>15, MATW17]. **QoE-Driven** [BRZS18, PFC<sup>+</sup>16]. **QoE-oriented** [LCT<sup>+</sup>12]. **QoS** [EGEM06, KW11]. **QoS-aware** [EGEM06]. **Quality** [BQBLN18, DG17a, HEA14, LB15, LH12, PVWD18, RT14, WBRZ17, WCY<sup>+</sup>18, YCGM14, BDV08, GG06, HAS11, KS09, KO11, NH10, PS05, RHS12, SkFM18]. **Quality-Adaptive** [BQBLN18]. **quality-managed** [PS05]. **Quality-of-Experience** [SkFM18]. **Quantitative** [HM10]. **Quantization** [RSE16]. **Quaternion** [YWNW15]. **queries** [San11]. **Query** [HMOS17, YH14, JYZC12, KP08, LYJ<sup>+</sup>13, LMLC14, ZYM<sup>+</sup>10]. **query-adaptive** [LYJ<sup>+</sup>13]. **Question** [LXL<sup>+</sup>18, PN16]. **questionnaires** [NT08]. **QuGu** [LB15].

**Randomized** [LQZH14, BWA13]. **Ranking** [YBO14]. **Rate** [DMF17, HH08a, MN16, PFC<sup>+</sup>16, ZZLL17, HH08b, HH11b, LCK09, LJP08]. **Rate-distortion** [HH08a, HH08b]. **Re** [GL08, YWH<sup>+</sup>17]. **Re-cinematography** [GL08]. **Re-identification** [YWH<sup>+</sup>17]. **Reactions** [KTK<sup>+</sup>17]. **reading** [ARE13, Dao17]. **Real** [BPM15, DG17a, EGEM06, FHG<sup>+</sup>17, IB10, KMP05, SAZ<sup>+</sup>15, HCKL13, KK08, KW11, SNC12, YSG<sup>+</sup>06]. **Real-Time** [BPM15, DG17a, FHG<sup>+</sup>17, SAZ<sup>+</sup>15, EGEM06, IB10, KMP05, HCKL13, KK08, KW11, SNC12, YSG<sup>+</sup>06]. **Reality** [AWG<sup>+</sup>15, LL15, GYN12]. **realization** [SZ12]. **Reasoning** [DLZ<sup>+</sup>17]. **Rebuffering** [WBB<sup>+</sup>17]. **recall** [AG13, YZL<sup>+</sup>14]. **Receivers** [LPS15, QS10]. **Recognition** [AMC<sup>+</sup>18, ASLA18, FSX14, GZLW18, HZW<sup>+</sup>11, HSZ<sup>+</sup>18, HP17, KP15, PS17, WJ15a, YHQH17, ZLP<sup>+</sup>14, ZLH16, KO11, LZP07, ML11, WT10]. **Recognizing** [LLCH17]. **Recombination** [GAB<sup>+</sup>17]. **Recommendation** [DYSX14, HCWM14,

KZGH15, WWHW14, WSLM18, YSXH16, KS13, TBC<sup>+</sup>11, WWL13]. **Reconfigurable** [LYJ<sup>+</sup>15]. **Reconstructed** [WWH17]. **Reconstruction** [HSR18, JGZ<sup>+</sup>11]. **records** [LT14]. **Reduction** [YMA17, HCS12, JP11]. **REED** [AH12]. **Reference** [LLHS12]. **Refined** [LCW16]. **Region** [HWHL18, WLHL13, FDKB11, LYC<sup>+</sup>12]. **Region-** [WLHL13]. **region-of-interest** [FDKB11]. **Regions** [KP15, SZTL16]. **registration** [DE12]. **Regression** [ZZL<sup>+</sup>17]. **rehabilitation** [CXS<sup>+</sup>08]. **Reidentification** [LKM17, ZZY18]. **reindexing** [WC12]. **Reinforcement** [WWHW14]. **Relationships** [YH14]. **Relevance** [DNPG<sup>+</sup>17, WWL13]. **reliable** [ZC12]. **Relying** [WKE16]. **remapping** [CCD07]. **remote** [SNC12]. **rendering** [KTM<sup>+</sup>06, SNC12]. **repairing** [DCM13]. **Replays** [JSEI16]. **report** [RJ05]. **Representation** [SZTL16, ZZL<sup>+</sup>17, MGCH13, MHT<sup>+</sup>13]. **Representation-Based** [ZZL<sup>+</sup>17]. **Representations** [TAPP<sup>+</sup>15]. **Representing** [RT14]. **reranking** [TTR12]. **research** [CBS08, Eff13, RJ05, She13]. **Resolution** [LCC<sup>+</sup>14a, KP08]. **resources** [FLM<sup>+</sup>06, MRS11]. **responses** [NT08]. **Restoration** [CH15]. **Result** [TJN14]. **Retargeting** [ZLN<sup>+</sup>16]. **Retreat** [RJ05]. **Retrieval** [DNPG<sup>+</sup>17, DLZ<sup>+</sup>17, FWLA15, HLX<sup>+</sup>14, LQH18, MGS18, PDD16, SBU<sup>+</sup>17, SZTL16, WJ15a, YSZ15, ZZY<sup>+</sup>14, Cha13, DP06, FLM<sup>+</sup>06, Han13, hHLC10, LSDJ06, LBD08, LLW<sup>+</sup>13, LYJ<sup>+</sup>13, QLSQ12, TCJ08, Whi13, YGHH12, ZG08, ZHLY11]. **retrieving** [CW10]. **retrospective** [LWLZ13]. **reuse** [MRS11]. **revenue** [ILL08]. **revenue-rewarding** [ILL08]. **reversible** [NC13]. **review** [TV07]. **Reviewers** [Ste13a]. **revision** [LT14]. **revisited** [BZ05]. **revocation** [YH13]. **revolution** [Swa13]. **reward** [BAK13]. **reward-and-punishment-based** [BAK13]. **rewarding** [ILL08]. **Reweighted** [WB16]. **RGB** [WCLC18]. **RGB-D** [WCLC18]. **Rich** [WCX<sup>+</sup>14, SWH06, TBC<sup>+</sup>11]. **rights** [SEK12]. **roadmap** [SZ12]. **Robust** [CCD07, DCC<sup>+</sup>13, GKSB17, LML<sup>+</sup>13, LPC<sup>+</sup>18, SG07, SZZT18, YWNW15, AP10, CWC10, GZHD12, MB08, VPSS<sup>+</sup>13]. **route** [ZYZ<sup>+</sup>13]. **rules** [BAK13]. **SABR** [BRZS18]. **SAfeDJ** [HDZ<sup>+</sup>15]. **Saliency** [CBSC18, ZWL<sup>+</sup>17]. **Salient** [TB05]. **sample** [DCC<sup>+</sup>13]. **sampling** [LK07, WDCX07]. **Save** [SLP15]. **Saving** [HSN<sup>+</sup>14]. **Scalable** [GSM<sup>+</sup>08, GFB<sup>+</sup>14, SZTL16, FKFB05, HH08a, HH08b, HH11c, JKKL08, RHS12, SAAH10, TCJ08, LCSX11]. **Scale** [BQBLN18, LSK<sup>+</sup>15, CE10, CML<sup>+</sup>13, ML11, SX11, VGNL10, Whi13, WLZ08, ZLLT13]. **Scale-Adaptive** [BQBLN18]. **ScaleFFS** [JKKL08]. **scaling** [WCK05]. **Scattering** [YLCC18]. **Scene** [GF17, WCLC18, PJ13, SG07]. **scenic** [ZYZ<sup>+</sup>13]. **Scent** [MLQM14, LCSX11]. **Scheduling** [SLP15, RWW05, WLQL12, ETF06]. **Scheme** [CPSH14, CXC<sup>+</sup>17, GZH17, GZHD12, ILL08, LLHS12, LC12, PBS12, ZC12, WWGT09]. **schemes** [HM10]. **score** [HCS12]. **Screen** [BFAS15, MFL<sup>+</sup>16, CBR14]. **Screens** [NSJB17, KS09]. **SDN** [KCC17]. **Seamful** [NHP<sup>+</sup>16]. **Search** [AR15, CLP17, HMOS17, HLX<sup>+</sup>14, JLW<sup>+</sup>18, TJN14, WHF<sup>+</sup>18, HTT<sup>+</sup>11, JYZC12, LZP07, NW08, RW12, TTR12, YZL<sup>+</sup>14, ZYM<sup>+</sup>10, ZR13, ZLLT13]. **search-from** [ZR13]. **searching** [HCW<sup>+</sup>07]. **Secret** [Lin15]. **Section** [YNC18, BSH08, CDGJ09, GPHOH12, KZHC13, NLS13, SHOG12]. **Secure** [BWA13, HZL<sup>+</sup>16, SRAA17, ZC12]. **Securing** [YMA17]. **security** [Kan12]. **See** [SkFM18]. **seen** [YZL<sup>+</sup>14]. **segment**



[TCJ08]. **segment-event-object-based** [TCJ08]. **Segmentation** [LZP07, ZCD15, ML11]. **Segments** [TKK<sup>+</sup>17]. **Selected** [PSS05]. **Selecting** [VV11]. **Selection** [HZC<sup>+</sup>16, HSZ<sup>+</sup>18, TAPP<sup>+</sup>15, YBO14, ZZLL17, AKO07, CE10]. **Self** [YWH<sup>+</sup>17, DCM13]. **self-similarity** [DCM13]. **Self-Trained** [YWH<sup>+</sup>17]. **Semantic** [DLZ<sup>+</sup>17, TJN14, WZNM14, YZX16, ZZY<sup>+</sup>14, ZLN<sup>+</sup>16, JP11, MTTH13, Yan10, ZI13, FLM<sup>+</sup>06]. **Semantics** [GLC05, SWH06]. **Semi** [hHLC10, ZYL<sup>+</sup>17, ZHLY11]. **Semi-Supervised** [ZZL<sup>+</sup>17, hHLC10, ZHLY11]. **send** [CBJ<sup>+</sup>09]. **Sensations** [RD17]. **Sensing** [APV08, EC16, HJMY15, LL15, ZDE16, DE12, JYZC12, MVW08]. **Sensor** [EC16, VCO15, YHQH17, CW10, FKFB05, Hae10, LCS09]. **Sensor-enhanced** [LCS09]. **Sensor-Enriched** [VCO15]. **Sensorial** [GTLG14a, Ano13]. **Sensors** [Chu15, SVF12]. **Sensory** [RT14, RHS10]. **Sentiment** [PN16]. **sequences** [HH08a, HH08b, LK07]. **serendipitous** [CY11]. **Series** [LPC<sup>+</sup>18]. **Server** [CE10, SLP15, AH12, HB08, LJP08]. **Service** [FAA18, REV<sup>+</sup>12, ZCL<sup>+</sup>12]. **Services** [CZC15, PVWD18, SKVHC18a, SKVHC18b]. **set** [WDCX07]. **SEVA** [LCS09]. **Shared** [CS17, CLS17, LCS17]. **Shares** [SA16]. **Sharing** [LCL14, Lin15, MFL<sup>+</sup>16, SZZT18, CBJ<sup>+</sup>09, CY11, CBR14, CSJ<sup>+</sup>08, CL12, SX13]. **Shoe** [HLX<sup>+</sup>14]. **shooter** [AH12]. **Shopping** [AWG<sup>+</sup>15, JWF18]. **ShotVis** [ZZC<sup>+</sup>15]. **SIFT** [ZLLT13]. **Sightseeing** [FMIS17]. **SIGMM** [RJ05]. **Sign** [GZLW18]. **Signal** [YP15]. **signals** [And13]. **signatures** [ASVE13]. **Similarity** [AR15, HMOS17, LCW16, DCM13, HOSS13, KS13, LZP07, NW08, VV11]. **simplification** [YK07]. **Simulate** [RD17]. **Simulating** [SKW<sup>+</sup>15]. **Simulation** [SHIE15]. **simulcast** [HH11c]. **Simultaneous** [LCC<sup>+</sup>14b, CCG<sup>+</sup>08, DCC<sup>+</sup>13]. **Single** [CH15, HSR18]. **singular** [BWA13]. **Situation** [HDZ<sup>+</sup>15]. **Situation-Aware** [HDZ<sup>+</sup>15]. **Skeleton** [ZLP<sup>+</sup>14]. **Sketch** [LMF<sup>+</sup>14]. **Sketch-Based** [LMF<sup>+</sup>14]. **skew** [SOC<sup>+</sup>13]. **Skews** [AMMG16]. **skimming** [LGX<sup>+</sup>08]. **Skipped** [PLZW18]. **small** [KS09]. **Smart** [HJMY15, NSJB17, RK15, MVW08, SCFL14]. **Smartening** [BPT<sup>+</sup>15]. **Smartphone** [BFAS15, LL15, SCXC15, VCO15, ZZC<sup>+</sup>15]. **Smartphone-Based** [SCXC15, ZZC<sup>+</sup>15]. **Smartphone-Controlled** [BFAS15]. **smell** [GA12a]. **SMIL** [BB11]. **Smooth** [YSG<sup>+</sup>06]. **Social** [CSJC17, LCL14, LSK<sup>+</sup>15, MY15, QZXH14, SX13, SZZT18, TAS16, TVK18, Yan17, ZGL<sup>+</sup>18, APV08, BRA<sup>+</sup>09, BGP11, BLJX10, BJLX11, CBJ<sup>+</sup>09, CYMW07, LCSX11, LSDK12, MHT<sup>+</sup>08, RSB11, SX11, TBC<sup>+</sup>11, WWL13, WZC<sup>+</sup>13]. **social-aware** [WZC<sup>+</sup>13]. **socialized** [CL12]. **Socially** [BCG13]. **Socially-aware** [BCG13]. **software** [IB10, MPSR05]. **Solfège** [SDJ17]. **Solution** [BQBLN18, SRPH16]. **Source** [GIL<sup>+</sup>10]. **sources** [XC06]. **space** [ML11]. **Sparse** [TTR12, ZZL<sup>+</sup>17, CML<sup>+</sup>13]. **sparsity** [JGZ<sup>+</sup>11, LYC<sup>+</sup>12]. **Spatial** [RHS10, YH14, YSZZ14]. **Spatial-geometric** [RHS10]. **Spatial-Temporal** [YSZZ14]. **spatio** [CWC10]. **spatio-temporal** [CWC10]. **Speaker** [HKYW14, FYH10]. **Speaker-Following** [HKYW14]. **Special** [BSH08, CCO15, GS11a, GTLG14a, HT15, ODMD17b, SCXC15, SKVHC18a, YNC18, ZZMS14, BLJX10, BJLX11, CCK06, CDGJ09, CBS08, GPHOH12, GDGC07, Hae10, Kan12, KZHC13, NLS13, SHOG12]. **specific** [ADCB07]. **Spectators** [JSEI16]. **Spectrum** [WBRZ17]. **Spectrum-Based** [WBRZ17]. **Speech** [KP15, WWH17, YMA17, CL07].

**speech-to-text** [CL07]. **Spider** [KH13]. **Sports** [CED<sup>+</sup>16, TCJ08, XC06, XXD<sup>+</sup>08]. **Spot** [VVSV17]. **Spott** [VVSV17]. **Sprite** [CDA12]. **State** [GTLG14b, LSDJ06]. **Statistical** [GHP<sup>+</sup>06, HH11b]. **Status** [PVWD18]. **Steganalysis** [YI14, LSQ11]. **Steganalytic** [Ber18]. **Stereo** [YP15, DÇ07]. **Stereoscopic** [CED<sup>+</sup>16, Chu15]. **stills** [TB05]. **Stimulation** [RD17]. **Stimuli** [LGF<sup>+</sup>14]. **stochastic** [GL12]. **Storage** [EG17]. **stories** [RSB11]. **story** [JSL07, JWL06]. **story-oriented** [JSL07]. **Strategies** [CDZ<sup>+</sup>17]. **Strategy** [HZC<sup>+</sup>16, FLZ<sup>+</sup>12]. **Stream** [GKSBI7, KMP05, FLAP08]. **streamed** [DCM13, HH11b]. **Streaming** [BPM15, BRZS18, BQBLN18, CED<sup>+</sup>16, CDZ<sup>+</sup>17, GGB14, HSN<sup>+</sup>14, JSEI16, LYJ<sup>+</sup>15, LCS17, MN16, MATW17, PB14, PFC<sup>+</sup>16, PVWD18, RXC14, SS17, SYS17, TAPP<sup>+</sup>15, WCO15, WCY<sup>+</sup>18, ZLP<sup>+</sup>14, Bag11, COM<sup>+</sup>11, GS11b, GSM<sup>+</sup>08, GKW08, HH08a, HH11a, ILL08, JC10, LLP06, LCK09, LLKL11, LWLZ13, LLSC12, LCT<sup>+</sup>12, LH12, MCM<sup>+</sup>09, REV<sup>+</sup>12, SKSZ13, SAAH10, SZ12, Swa13, TSHP05, TNEcC08, WKST08, WWGT09, WCK05, WLZ08, WLQL12, WLZ12, ZSO13, ZC12]. **Streams** [BXMH15, AKO07, HM10, JP11, LZP07, LSDK12, QS10, San11]. **stroke** [CXS<sup>+</sup>08]. **Structure** [WCLC18, LSDK12, SG07, XMST07]. **Structure-Aware** [WCLC18]. **Structured** [BH05, ZLP<sup>+</sup>14, JKKL08]. **Student** [BPT<sup>+</sup>15]. **study** [DY09, TSHP05, WKST08]. **Studying** [RD17]. **style** [SWH06]. **subjective** [NH10]. **subset** [AKO07]. **Subspace** [YWH<sup>+</sup>17]. **Subtitles** [HKYW14]. **success** [GA12a]. **successes** [Row13]. **Suggesting** [JYZC12]. **suggestion** [ZYM<sup>+</sup>10]. **summaries** [VM12, MA10]. **Summarization** [GWM<sup>+</sup>14, HP17, TVK18, ZZZ14, HTT<sup>+</sup>11, LGX<sup>+</sup>08, MTTH13, SXM<sup>+</sup>06]. **sung** [ML11].

**Supervised** [QZXH14, ZZL<sup>+</sup>17, hHLC10, ZHLY11]. **Supplement** [Ano11, Ano12, Ano14, TOM12]. **supplemental** [Dao17]. **Support** [PB14, TB17, ARE13, ONH07]. **Supporting** [AWG<sup>+</sup>15, FDKB11]. **Surveillance** [GZH17, NAK15, SKR09, SVF12]. **Survey** [GF17, NAK15, NSJB17, ODMD17a, SKVHC18b, ZDE16, ZGL<sup>+</sup>18, HMVI13, KS13, SCFL14]. **SVC** [FSK<sup>+</sup>15]. **sweet** [GA12a]. **Switch** [DMF17]. **Switch-Based** [DMF17]. **switching** [HH11c]. **Synchronization** [MLQM14, XW17, HNS13]. **synthesis** [MSL10, YK07]. **synthesized** [LBD08]. **System** [CS17, DMF17, LCC<sup>+</sup>14a, LLJW15, LCC<sup>+</sup>14b, LGF<sup>+</sup>14, MY15, MFL<sup>+</sup>16, RPE<sup>+</sup>17, SRAA17, TB17, WCY<sup>+</sup>18, YBO14, ARE13, BBT<sup>+</sup>05, CEE09, JWL06, JKKL08, KH13, ONH07, RWW05, SNC12, TCJ08, VGNL10, WT10, YH13, ZRCH08]. **systematic** [TV07]. **Systems** [MN16, NAK15, SS17, SCXC15, TB17, CCK06, CPP<sup>+</sup>13, CE10, CW10, DY09, GDGC07, HAS11, ILL08, JKKL08, She13, SKR09, Sun13, TSHP05, YH13, ZCL<sup>+</sup>12, ZSO13, CPP<sup>+</sup>14].

**Table** [Ano11, Ano12, Ano14, Dao17, TOM12]. **Tactile** [KTK<sup>+</sup>17]. **Tag** [YSZZ14, CBJ<sup>+</sup>09, MPE<sup>+</sup>11]. **tagging** [TCW<sup>+</sup>13, YYS13]. **Tags** [PDD16, Yan17, LYC11]. **tamper** [NC13]. **Tampering** [SRAA17]. **Tape** [CFP15]. **targeted** [RW12]. **Task** [WYM18, AG13]. **Taste** [RD17]. **TCP** [GKW08, TNEcC08, WKST08, WWGT09, WCK05]. **TCP-friendly** [WCK05]. **TDMA** [BOZ17]. **team** [XC06]. **Techniques** [VVSV17, DY09]. **Technologies** [SCXC15, FKFB05]. **tele** [WAK<sup>+</sup>12, YWN<sup>+</sup>10a, YWN<sup>+</sup>10b].

**tele-immersive**[WAK<sup>+12</sup>, YWN<sup>+10a</sup>, YWN<sup>+10b</sup>].**Telehaptic** [GNC17]. **Teleoperation**[CXC<sup>+17</sup>]. **Telephone** [Cho13].**Teleportation** [Cho13]. **Television**[VSV17, CVV06, CBS08, MHT<sup>+08</sup>,OBBW12, Cho13]. **Temporal** [CFGW05,LPC<sup>+18</sup>, YHQH17, YSZZ14, BZ05, CWC10,HNS13, LK07, MHT<sup>+13</sup>, QHR<sup>+08</sup>, WCK05].**ten** [JPS05]. **terminals** [CVV06, LC12].**terminology** [ENHN09]. **testbed** [HH12b].**text** [CL07, JWL06]. **Textual** [YMX<sup>+16</sup>].**them** [Dao17]. **theoretic** [PBS12]. **Theory**[Zho16, ZWM12a]. **thousands** [ZR13].**Throughput** [MATW17]. **Time**[BPM15, BZDX<sup>+18</sup>, DG17a, DYSX14,FHG<sup>+17</sup>, LPC<sup>+18</sup>, SAZ<sup>+15</sup>, EGEM06,

HCKL13, IB10, KK08, KMP05, KW11,

SAAH10, SNC12, YSG<sup>+06</sup>]. **Time-Aware**[DYSX14]. **Timing** [CSJC17]. **Today**[LXL<sup>+14</sup>]. **TOMCCAP** [Geo05]. **TOMM**[Dao17]. **Tongue** [RD17]. **Tool**[SDJ17, BB11]. **Top** [GWM<sup>+14</sup>].**Top-Down** [GWM<sup>+14</sup>]. **Topic**[BXMH15, SX11]. **topographic** [WYM07].**topography** [VPSS<sup>+13</sup>]. **Topological**[LCW16]. **topologies** [WLZ08]. **Touchable**[CEE09]. **Tourist** [DNPG<sup>+17</sup>]. **track**[WYM07]. **Tracking**

[CZW15, GZH17, LL15, ZX14, ADCB07,

CCD07, FPH<sup>+08</sup>, GDGC07, KO11, WT10].**Traffic** [KW11, GIL<sup>+10</sup>]. **Trained**[YWH<sup>+17</sup>]. **Training**[PDD16, LGX<sup>+08</sup>, WDCX07].**Transactions** [BLJX10, Geo05].**Transcoding**[SLP15, LS05, LLSC12, LC12, LCT<sup>+12</sup>].**Transfer** [YZXY15, TTR12, YYS13].**Transform** [YWNW15]. **transformation**[GZHD12]. **Transmission**

[BOZ17, EWSZ15, CLC05, KW11, LC12,

MC11, PBS12]. **transport**[OMP07, YSG<sup>+06</sup>]. **transport-level**[OMP07]. **tree** [LS05]. **Trees** [LQZH14].**Triplet** [JWF18]. **Trust** [MY15]. **Tucker**[ZYL<sup>+17</sup>]. **TV** [HH12b, HH11c, KS09,UTK<sup>+08</sup>, WWL13, YH13]. **twenty**[Eff13, She13, Tur13]. **Twitter** [DYSX14].**Two** [LWLZ13].**Ubiquitous**[BPT<sup>+15</sup>, SSTK07, ARE13, CTGP08].**unconscious** [And13]. **Under-Exposure**[HSR18]. **Understanding** [BBT<sup>+05</sup>, GF17,LCL14, VGNL10, YNC18, YZX16]. **unequal**[CLC05]. **Unexpanded** [SA16]. **Unified**[YSXH16, ZZY<sup>+14</sup>, YGHH12]. **Uniform**[LQZH14]. **Unpleasant** [KYVE14].**Unwanted** [MY15]. **Up-Fusion** [WRK14].**update** [LW07]. **Uplink** [EWSZ15]. **Urban**[LB15]. **usage** [MMW10]. **User**[YSZ15, CCK06, SSTK07]. **User**[BC15, CS17, EG17, FHG<sup>+17</sup>, GA12b,LLJW15, LCC<sup>+14b</sup>, YSXH16, YBO14,YCGM14, ZZZ14, And13, GG06, ZYM<sup>+10</sup>,ZCY<sup>+13</sup>, ZSO13]. **user-generated**[ZCY<sup>+13</sup>]. **User-Preference-Aware**[LLJW15]. **users** [CY11, HWY<sup>+11</sup>]. **Using**[ASLA18, BZDX<sup>+18</sup>, CSJC17, Chu15,FSK<sup>+15</sup>, FHG<sup>+17</sup>, HMOS17, HH11c, KP15,LQZH14, LCS17, LCC<sup>+14a</sup>, MATW17,PS17, RSE16, SRAA17, TBC<sup>+11</sup>, VSV17,

WYM07, WSLM18, Yan17, YWNW15,

YP15, ZGL<sup>+18</sup>, APV08, ASVE13, AH12,

BAK13, CDA12, CLS17, DL14, ETF06,

GFB<sup>+14</sup>, GHP<sup>+06</sup>, HCW<sup>+07</sup>, HOSS13,

HCS12, JC08, MSL10, MVW08, NT08,

REV<sup>+12</sup>, RW12, TNEcC08, YQH12].**Utility** [RT14].**V** [HP17]. **V-JAUNE** [HP17]. **validation**[SEK12]. **Value** [AR15, BWA13]. **vantage**[VV11]. **variable** [HH11b].**variable-bit-rate** [HH11b]. **Variables**[MGS18]. **Variate** [LPC<sup>+18</sup>]. **VBR** [KW11].**Vector** [CZW15]. **Vehicular**[BOZ17, LB15]. **Verb** [PRH14].**Verification** [Lin15, ASVE13, ZLLT13].

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