

A Complete Bibliography of Publications in *Future Internet*

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

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

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Title word cross-reference **4G** [AMZ+20].

-Aware [EMHF19].

10 [AMZ+20]. **11** [FC19]. **1800** [DMZ+19].
19 [ESB+20, Kra20].

2.0 [ERBL12, NPB12, NB12, PR12,
RMB+12, Whe09]. **230** [DMZ+19].

3.0 [FHS+10]. **3D** [GM20, AWHF19,
DWY19b, VRA+18, YCHG18].
3D-CNN-Based [AWHF19]. **3D-Obstacle**
[GM20]. **3G** [KOJP13]. **3GPP**
[ACM+19, HAL18].

4.0 [CEZC19, Lel19, Pil18]. **40** [WZG+18].

5G [BCM+19a, CFP19, CGM+19, GMS+20,
HAL18, JLGF19, KLKP19, KSE+20,
LQFI17, LCV+17, MMF+19, MGV17,
MOAI17, PSM+18, SAM+18, VLC+19,
WWB+20, YHSW19]. **5G-Enabled**
[GMS+20]. **5G/Satellite** [CFP19].
5GCAR [CGM+19].

7R [KS14].

802.11 [MSK+18]. **802.16e** [SIJA10].

95 [SU17a].

ABC [MMM19]. **ABE** [WZX20]. **Abuse**
[VYN19]. **Abysmal** [RKY20]. **Academic**

[GKK⁺19, HT14, UFK⁺10, RCGSL19].
Accent [VLC⁺19]. **Acceptance** [KLTC17, SIZD12]. **Access** [AAA⁺20, AKJB20, BZDP19, CWF13, DCG12, DL19, GDARM18, GM16, GRRZ18, HLZ⁺18, LWY20, MG10, MAW⁺19, MGV17, QSF⁺17, TTKZ19, TKH⁺11, WZG⁺18, WLCS17, WZX20]. **Accounting** [ZS18]. **Accounts** [AZV16, ZAV14]. **Accuracy** [ZSF20]. **Accurate** [DAMAS⁺19]. **Achieve** [GLRM19, SIJA10]. **Acid** [RIS⁺17]. **Acknowledgement** [Fut20, Off14, Off15, Off16, Off17, Off18, Off19]. **Acoustic** [LLBB18]. **Acquisition** [PG14]. **across** [BSEL20, HWZP18, HWCH12, SZFC18]. **Action** [AWHF19, MKKS18, PDMK19, SOSR⁺16, SS14, YCHG18]. **Action-Research** [SOSR⁺16]. **Actions** [GLRM19, RK19]. **Activation** [SDL⁺19]. **Active** [LHW18]. **Activities** [CEZC19, FOJE19]. **Activity** [CTM19, LSM⁺12, MMA10, MMMH19, SOA⁺20, Zaf12]. **Activity-Based** [MMM19]. **Actuating** [ZLS19]. **Ad** [BRP⁺13, DLK10, FR16, KH19, SS15, YT18]. **Ad-Hoc** [KH19]. **Adapted** [OLCMdA20, SIZD12]. **Adapter** [KMS⁺12]. **Adapting** [Sac19]. **Adaptive** [AAR⁺19, AD20, AS15, AMZ⁺20, HGJA18, HXHP17, KALY17, SU17a, SCA⁺19, SLW17, USS19, VFFHF19, WCM19, XCSM18, YW16, YPMM12, ZSZ18]. **Adaptively** [WKW18]. **Added** [HLLT10]. **Adders** [FG17]. **Addiction** [DIG20]. **Addictions** [RRS20]. **Addition** [RK19]. **Additional** [ALST20]. **Addressing** [PA13, VKK⁺19]. **Adolescent** [ISG20]. **Adopt** [MSC19]. **Adoption** [AA20, PR12, Yan17, ZKV12]. **Adults** [HS18b, VYN19]. **Advanced** [KGKP20, MAW⁺19, NSV17]. **Advances** [Fer12, HAL18, KTUF19, Mal20, SHC18]. **Advancing** [PLL11]. **Adversarial** [FHXL19, RD18]. **Advert** [MT17a]. **Advertisements** [MT17b]. **Affairs** [KP15]. **Affecting** [GN16, Yan19]. **Affective** [SAF14]. **Affiliations** [VKK⁺19]. **African** [GS11, Smi13]. **Again** [DGGS19]. **Against** [FHXL19, ESB⁺20]. **Ageing** [ACK⁺16]. **Agency** [TTO⁺19]. **Agenda** [HPC12]. **Agent** [CTM19, HD19, LFM⁺19, MMS⁺19, ZZY19]. **Agent-Based** [HD19]. **Agglutinative** [PLYD20]. **Aggregated** [KZ20]. **Agile** [IPL⁺18, MUS11, SU17c, UB18]. **Aging** [LNB12]. **Agreement** [MMN19]. **Agricultural** [CH16]. **Agriculture** [TL19]. **Ahead** [KFP10]. **AI** [ZGL20]. **Aided** [DN20]. **Aimed** [OT16]. **Air** [VLC⁺19]. **Algebraic** [KGKP20]. **Algorithm** [ADM⁺19b, Bi14, CZZH15, Han13, JHL⁺18, KKEV17, KLTC17, LWHR14, LSC⁺17, LTY18, LNA17, LW19, LSJ19, LXY17, OLCMdA20, SFEK18, TTKZ19, Tra18, WYX18, WZL⁺20, XQLZ19, XGN19, YC16, YYW20, YWW⁺19, ZWWW17, ZCZ17, ZSZ18]. **Algorithms** [ARAAA19, KHRG19, LN19, MWY19, RZCL19, RPHJ11, SWY⁺18, WL20, WY19, ZZY19]. **Alignment** [GSO⁺10]. **Allocation** [JWRX17, KALY17, LTY18, OFK19, QAM17, SIJA10, SXXH19, SHN⁺19, SNH⁺19, UFK⁺10, WYS17, WSM20, YPMM12]. **Allow** [KLKA19]. **Altering** [YG20]. **Ambient** [GRJ⁺19]. **Ambivalence** [Dav12]. **American** [GS11]. **Americans** [Smi13]. **among** [HS18b]. **Amplify** [SJG18]. **Analysing** [DBD⁺14, HDL⁺14, MKKG19]. **Analysis** [ALDS19, ACAP20, BFVM14, BPG19, CMW18, CGMVdUC19, CL19, DeD16, DWZN16, EvdMB20, FSG⁺16, GMH18, HT14, JXA19, JLW19, KCK⁺19, LS15, LSF19, LLBB18, LFM⁺19, MSR⁺14, OO19, OLCMdA20, PR11, PXC18, RGMFM12, TCG19, WX20, YPG20, YZC⁺20, ZLL18, ZL19a, ZLS19, ZZ19]. **Analytical** [DG13, GLRM19, LAG⁺18, SLY⁺12]. **Analytcs**

[CL19, GMMI16, SPSS17, SJ12, VI16]. **Analytics-as-a-Service** [GMMI16]. **Analyze** [CTM19]. **Analyzing** [JLH⁺13, LF16]. **Android** [CYO⁺17, JLH⁺13, KAS⁺20]. **Anemia** [RHV17]. **Anemia-Like** [RHV17]. **Annealing** [JHL⁺18]. **Annotation** [LPM10, Sor12]. **Annotations** [HG12]. **Annotopia** [HG12]. **Annotopia-Enabling** [HG12]. **Announcing** [Giu18a]. **Anomaly** [GSP15, GKW⁺10, MSN13]. **Anonymity** [OKH13]. **Anonymization** [GM19, MBF⁺12]. **Anonymized** [ACAP20]. **Anonymous** [ZLLW18]. **Answers** [LS15]. **Ant** [GW15, LW19]. **Antenna** [CLZL18, PBAAN19, USS19]. **Anti** [HJA18]. **Anti-Collision** [HJA18]. **Anticipation** [Pin10]. **Any** [Mat20]. **AODV** [SS15]. **AP** [LTY18]. **APBT** [ZWWW17]. **API** [CH16]. **App** [GM16]. **Appliance** [HSM19]. **Application** [AJ18, ADM⁺19b, ALST20, DCHM16, FOJE19, GXWD19, Goe12, Gro17, HP16, LRdLS19, SOB⁺19, ZJX18]. **Application-Aware** [AJ18]. **Application-Partitioning** [ADM⁺19b]. **Applications** [AMCI17, ALLR16, AKJB20, BM14, BCM⁺19b, CFV19, CLZL18, CH16, DBD⁺14, DVED20, DHEK19, FLRS12, FR16, HSC19, HLLT10, KI20, KKS⁺19, NDKBL19, PBAAN19, PNM⁺20, RYY10, SG19, VKM⁺19]. **Applied** [AWHF19, SJ12, XJ10]. **Applying** [HBFJ20, SOSR⁺16]. **Approach** [ARAAA19, ATH18, ACK⁺16, BdCRM10, BC19, BFFZ⁺12, CZY17, Cro19, DGADE14, DCA16, DGKL15, FOJE19, GMRRRQ⁺16, GHFM20, GMH18, GRJ⁺19, Gro17, JHL⁺18, KG18, LLZL19, Mah17, MP16, NLPV12, OFK19, PCC⁺18, Pri10, QAM17, SU17c, SYB⁺18, SWY⁺18, TSZ⁺18, WLHR13, WKW18]. **Approaches** [GKS10, KGKP20, KST19, LGV13, MSH16, SE15]. **Appropriate** [ZL14]. **Approximate** [QSF⁺17]. **ARAAC** [QAM17]. **Arabic** [AA19a, ATH18, AFAAM19]. **Architecting** [AA19b]. **Architectural** [BM14, MZS19, PR11, Tas10]. **Architecture** [AAA⁺19, ACM⁺19, CGM⁺19, EABE19, FWVF19, HEP⁺11, KPP⁺20, LBG⁺14, LW11, LZL⁺17, LFM⁺19, PPR⁺20, Pec18, PCF⁺14, RC18, RDD⁺14, RAA⁺18, SG12, Sem11, SNKG20, TKH⁺11, YHSW19]. **Architectures** [BML19, ELC⁺19, FP19, GKS10, SU17a]. **Architectures-Overlay-Based** [GKS10]. **Archives** [DBD⁺14, HDL⁺14]. **Archiving** [RDD⁺14]. **ARCOMEM** [PCF⁺14, RDD⁺14]. **Area** [DWZN16, YT15]. **Areas** [HD19, Hel15, OT16, OFK19, USS19]. **ARIMA** [CMP⁺19]. **Array** [LWHR14, USS19, WLHR13]. **Arrival** [CZZH15]. **Articles** [KLKA19]. **Artificial** [CL19, DN20, DAMAS⁺19, SG19]. **Aspect** [ZL19a, ZGZ⁺18]. **Aspect-Level** [ZL19a, ZGZ⁺18]. **Aspects** [SE15, Tri14]. **Aspirations** [HT14]. **Assess** [CS11, GDCM19, HBFJ20]. **Assessing** [AZV16, DN20, KAL⁺19, SSR17, VCB14, ZKV12]. **Assessment** [CCM⁺17, FZ15, KZ20, KID⁺15, LZ11, MBF⁺12, TA15, ZL14]. **Assets** [SOSC⁺16]. **Assignment** [KSSF19, YLK⁺19]. **Assist** [VKM⁺19]. **Assistive** [PS17]. **Association** [LTY18]. **Assurance** [AAD⁺12]. **Astronaut** [WBG12]. **Atoms** [Jur12]. **Attachment** [Hua15]. **Attack** [DL19, HSC19, LBC18, SS15, WKW18, WLCS17, ZHZ⁺19]. **Attacks** [BB17, FHXL19, GMGK20, HCXH16, HK18, LMK18, OB13, SK19, SGDT19, YG20, ZHZ⁺19]. **Attention** [LLZL19, LMPT19, SJ20, WX20, WZ18, WCYL20, XDS⁺19, ZLXY19, ZL19a, ZCHG19, ZGZ⁺18]. **Attraction** [GLRM19]. **Attribute** [SYZ19]. **Attributes** [PDTM15, VKK⁺19]. **Audio** [Hor19, Lal14]. **Audio-Visual** [Hor19, Lal14]. **Augmented** [Ant12, BS17, Jur12]. **Australian** [ERBL12].

Austrian [ESB⁺20]. **Authentication** [ADM19a, CCC19, GMS⁺20, RSX18, SBS18]. **Authentication-Based** [GMS⁺20]. **Author** [BHH12]. **Authority** [WZX20]. **Authorizations** [SWGL19]. **Auto** [AMZ⁺20]. **Auto-Closing** [AMZ⁺20]. **Automated** [KMS⁺12, KSE⁺20, PG19]. **Automatic** [GSO⁺10, Ngu19, RK19, VKKA17]. **Automating** [BGD09]. **Automation** [CSIS19, CMH10, LK20, MUS11]. **Autonomic** [ALLR16, AS15, LBG⁺14, SKT⁺19]. **Autonomous** [BZDP19, FAT19, TTO⁺19, YKY18]. **Autoregressive** [CMP⁺19]. **AUV** [LLBB18]. **Availability** [YT18]. **Avatar** [TEE10]. **Average** [CMP⁺19]. **Avoidance** [GM20]. **Award** [Giu18a]. **Aware** [AJ18, Alb19, ALLR16, AKJB20, BHH12, CFP17, GM20, KALY17, Lee17b, LW15, MEO18a, MEO18b, MKK17a, MMS⁺19, PDTM15, TCH18, VL18a, XSX18, EMHF19]. **Awareness** [AS19, GWK17, GRJ⁺19, HSC19, HT14, LCV⁺17, PR12, SAM⁺18]. **Azure** [RHV17]. **Azure-Based** [RHV17].

B2C [TLC15]. **BA** [HJA18, KSO19]. **Back** [SLW17]. **Back-Off** [SLW17]. **Backbone** [SMG13, UFK⁺10]. **Background** [ESB⁺20, HT14, JLW19]. **Backhaul** [VLC⁺19]. **Bagging** [YYW20]. **Balanced** [BdCRM10]. **Balancing** [ARAAA19, GW15, LW19, SHBS19]. **Band** [PBAAN19]. **Bandwidth** [CR11, ELC⁺19, LTY18]. **Bank** [LLHW20, WWYQ19]. **Banking** [CPM17]. **Base** [BZDP19, YPXH19]. **Based** [ADM19a, AA19b, ALLR16, AMZ⁺20, ASL17, AWHF19, AAA⁺20, ADG⁺19, BZDP19, BRP⁺13, CP10, CZY17, CGLR19, CZZH15, CTM19, DQ18, DDPVP18, DVED20, DDZ18, DHEK19, DLX⁺19, DWY19b, FOJE19, FHXL19, FC19, FLRS12, FMA⁺20, FR15, FP19, FR16, GAGB19, GFHK⁺12, GM20, GDARM18, GMH18, GKS10, GNK⁺10, GRRZ18, GVC13, GMS⁺20, GKW⁺10, HD19, HCXH16, HK18, Han13, HLZ⁺18, HEP⁺11, HCHP16, HWZP18, HN18, HG12, HBMS20, HP19, JXA19, JLGf19, JII17, KAM⁺19, KST19, KPC19, KK20, KAL⁺19, KSO19, KFP10, KHRG19, KH19, KKT20, LWY20, LWY⁺15, LNA17, LWX18, LMK18, Li18, LZS18, LW19, LSJ19, LLZL19, LMH19, LLJ16, LXY17, LHW18, LCW⁺18, LCV⁺17, LHSS12, LSM⁺12, LW15, MXT⁺16, MKKS18, MGV17, MWY19, MMMH19, MKM⁺19, MUS11, OT16, PPR⁺20, PPMMS19, PPGC16, PZH⁺18, PCC⁺18, PNM⁺20, QMN19, RIS⁺17, RPB⁺17, RHV17, SU17c, SBS18]. **Based** [SJG18, SCA⁺19, SFEK18, SOB⁺19, SNKG20, SM19, SGDT19, SLY⁺12, SZFC18, SZC19, TTKZ19, TCB⁺19, TFKY19, TL17, Tra18, TKT⁺18, USS19, UANU20, WLH⁺17, WHXL18, WYX18, WCSZ18, WLL⁺19, WWYQ19, WSM20, WL20, WX20, WZG⁺18, WZ18, WY19, WZX20, XDS⁺19, XGN19, YCS17, YCHG18, YPG20, YYW20, YHSW19, YPMM12, YWW⁺19, YPLZ19, YLK⁺19, YLJ⁺19, ZWWW17, ZWZ17, ZLL18, ZL19b, ZCHG19, ZWPL19, Zha19, ZZ19, ZGL20, ZYLM17, ZQCC16, DH18, TADS20]. **Basic** [RMB⁺12]. **Basis** [LLHW20, SSOÁ⁺16]. **BASN** [WCYL20]. **BASN-Learning** [WCYL20]. **Batteries** [RIS⁺17]. **Be** [SE15]. **Beam** [LSJ19]. **Bed** [GNNZRRCRG18]. **Behavior** [BM19, EHJ17, JLH⁺13, RSX18, YKY18]. **Behavioral** [ESLB20]. **Behaviour** [CP10]. **Behavioural** [MT17a]. **Behaviours** [SAF14]. **Beidou** [DLX⁺19]. **Being** [DIG20, HCW20]. **Benchmarking** [HBMS20]. **Benefits** [KAL⁺19]. **Bergen** [DIG20]. **Best** [KTUF19]. **Better** [GLRM19, KID⁺15]. **Between** [BCM⁺19b, GSD⁺17, HT14, Nil12, QWR18, SMG13, THT18, TEE10]. **beyond** [Ves18].

Bi [ZGZ⁺18]. **Bi-Directional** [ZGZ⁺18]. **Bibliometric** [YMJ20]. **Bidirectional** [ATH18, WZ18]. **Big** [CGLR19, CL19, DVED20, GRRZ18, LG20, MSFM16, Pec18, Pil18, PH16, QMN19, SAZ18, TG13]. **BiGRU** [ZLXY19]. **Binary** [RKY20, WCYL20]. **Binding** [LBC18]. **Biologists** [KH10, NPB12]. **Biometric** [PPR⁺20]. **Bitcoin** [CTM19, LF16, OKH13]. **Bits** [Jur12]. **Black** [BN14, ZHZ⁺19]. **Blackhole** [SS15]. **BlackWatch** [HSC19]. **Blind** [CZK⁺17]. **Blockchain** [AA20, BBGP19, CGLR19, CPM17, ESLB20, GLD⁺18, HWCL17, HW16, HP19, KK20, LLHW20, MZ19, OO19, PPR⁺20, RKT19, SG19, SNKG20, SGDT19, TADS20, VFS⁺19]. **Blockchain-Based** [CGLR19, SGDT19]. **Blockchain-Empowered** [HWCL17]. **Blocks** [DWY19b]. **Blog** [YYW20]. **Blogger** [ZVV12]. **Blogosphere** [ZVV12]. **Blogs** [Zaf12]. **Blueprinting** [NLPV12]. **Bluetooth** [ZSB19]. **Body** [HRAA19]. **Body-to-Body** [HRAA19]. **Boomerang** [BCG10]. **Boost** [ESB⁺20]. **Border** [KSE⁺20]. **Borders** [MAW⁺19]. **Botnet** [HN18]. **Botnets** [SGDT19]. **Bounded** [LYP⁺19]. **Box** [BN14]. **Brand** [Zha19]. **Brazil** [CBB17]. **Brazilian** [Uto13]. **Breakdowns** [BLW⁺17]. **Bridge** [WL20]. **Bridging** [BCL11, HL19]. **Bringing** [GNK⁺10]. **Broadcast** [KH19, NSV17]. **Broadening** [SSS⁺19]. **Browser** [KSO19]. **BS** [BZDP19]. **Budget** [ZY15]. **Buffer** [LW15, YY17]. **Building** [LLJ16]. **Buildings** [ZGL20]. **Built** [ZLS19]. **Built-in** [ZLS19]. **Bus** [DLX⁺19, KAM⁺19, YKY18]. **Business** [HL19, MUS11]. **Button** [PDMK19].

Cache [LNA17, LZS18, ZWZ19]. **Caching** [SSF⁺18, TTKZ19]. **Cadastral** [DGADE14]. **Calculation** [DCHM16]. **Camera** [TCH18]. **Can** [DGGS19, EM09, LPM10, SJ12]. **Canada** [Roy14]. **Capabilities** [KKBD10, UFK⁺10]. **Capacity** [WYL18]. **Capital** [Smi13]. **Capture** [HJA18]. **Car** [ZYLM17]. **Care** [ACBP19, MGFF14]. **Career** [VNJ18]. **Carrier** [Lee17a]. **Carry** [FOJE19, KFP10]. **Cars** [GAGB19, Gog12]. **Cascade** [AD20]. **Case** [ERBL12, FZ15, FMNS11, Gar12, GMMI16, HDK⁺12, Hua15, KG18, MMF⁺19, MMH16, NZ14, SU17b, Sem11, Uto13, ZAV14]. **Cases** [SG19]. **CDNs** [JLGF19]. **Cellular** [AZ19, BCM⁺19a, KP19, KTP17, KFP10, OB13, OFK19, SSF⁺18, SHC18, WSM20, YPXH19, YPG20]. **Cellular-V2X** [BCM⁺19a]. **CEMR** [GXWD19]. **Center** [QAM17]. **Centered** [SIZD12]. **Centers** [AJ18, AGC18, SZFC18]. **Centralized** [ZCZ17]. **Centric** [ACM⁺19, FP19, Fot20, KC19, RYY10, SYB⁺18, SM19, Tri14, ZWZ19]. **Certificateless** [YJSL18]. **CF** [MKK17a]. **Chain** [RKT19, YOI19]. **Chaining** [GGK18, MP16]. **Chains** [GKG19]. **Challenge** [IP16, LMK18]. **Challenge-Based** [LMK18]. **Challenges** [AMAJ12, BOKC19, CBB17, DDZ18, KSE⁺20, KTUF19, Lal14, LAG⁺18, MZS19, MSIP20, SAZ18, SEB⁺19, Ves18, ZR15]. **Change** [CS11, EM09, MMH16]. **Changed** [Den12]. **Changing** [JP13]. **Channel** [AAR⁺19, KOJP13, LWY20, SJG18]. **Channels** [KKBD10, ZSZ18]. **Characteristics** [BM19, CGMVdUC19, MC12, VKKA17, ZVV12]. **Charging** [WHXL18]. **Checking** [BFFZ⁺12]. **Checks** [JLW19]. **Chemists** [KH10]. **Childhood** [NB12]. **Children** [LYMG17]. **China** [HSM19, LLJ16]. **Chinese** [AFAAM19, JLW19, LWX18, LMPT19, WZ18, Yan17]. **Choi** [FC19]. **Choices** [BM14]. **Choosing** [BM18]. **Choreography** [ADG⁺19]. **Choreography-Based** [ADG⁺19]. **Chronological** [ESB⁺20]. **Circular** [WZ18]. **Citation** [RCGSL19]. **Cities** [BZDP19, BFVM14, Mal20, McK20,

OGR⁺20, PSC19, SNKG20, WZL⁺20].
Citizen [DCA16, JP13]. **Citizens** [Gar12, OGR⁺20]. **Citizenship** [Mar17].
City [KAM⁺19, LZ11, MMF⁺19, SSO⁺19, ADG⁺19, Rot12]. **CKMI** [CSIS19]. **Class** [SDL⁺19]. **Classification** [BG09, KVST19, KAS⁺20, LWX18, LLZL19, SYB⁺18, SWD⁺18, YYW20, ZLXY19, ZGZ⁺18].
Classifiers [RPB⁺17]. **Classifiers-Based** [RPB⁺17]. **Classmates** [ISG20].
Classroom [PLSF14, hSgLH17]. **Clean** [Fri13]. **Climate** [CS11, CH16, SLY⁺12].
Clock [DDZ18]. **Closing** [AMZ⁺20]. **Cloud** [AJ18, ADM⁺19b, AMAJ12, AAA⁺19, AGC18, AD18, BSEL20, BB17, BCM⁺19b, DGD⁺19, DCHM16, DVED20, ELC⁺19, FLRS12, FYWS16, FBOC15, GW15, GDARM18, GMH18, GMMI16, HWZP18, HWCH12, IHOW16, JII17, KLZ16, LKIL19, LZS18, MSC19, MMN19, MSIP20, NLPV12, PdRB19, PNM⁺20, QAM17, RGMFM12, SOR16, VFFHF19, WCSZ18, YCS17, YJSL18]. **Cloud-Based** [PNM⁺20].
Cloud-Edge [DVED20]. **Cloud-to-Thing** [BSEL20]. **Clouds** [DGD⁺19, XCSM18].
Clubs [TCG19]. **Cluster** [Jeo20].
Clustered [KKEV17]. **Clustering** [ARAAA19, FAT19, YW16, YWW⁺19, ZQCC16]. **CM** [PLA17]. **CMRS** [PLA17].
CMS [LG20]. **CNN** [AWHF19, YLJ⁺19, ZLXY19, ZWPL19, ZGZ⁺18]. **Co** [FHS⁺10, KKG20, KOJP13]. **Co-Channel** [KOJP13]. **Co-Engineering** [KKG20].
Co-Operation [FHS⁺10]. **Cobot** [SU17b, SU17c]. **Code** [YLJ⁺19]. **Codec** [WLYL20]. **Coding** [BKL⁺19, EMHF19, GVC13, LW15, ZQCC16]. **Coding-Aware** [LW15]. **Cognition** [FHS⁺10, KI20].
Cognitive [AMF⁺10, AKJB20, Bi14, CZK⁺17, FM16, KLTC17, Ler16, Pri10, RRS20, WWYQ19, ZCZ17, ZSZ18].
Coherent [AAR⁺19, AD20, DDZ18, GLW⁺19]. **Coin** [IPL⁺18]. **Coined** [YKC19]. **Collaborates** [OY19]. **Collaboration** [MSR⁺14, Nil12, RMB⁺12]. **Collaborative** [AK19, ADG⁺19, ERBL12, FGBMG19, GDLG18, HK18, LMK18, PFL⁺12, Rot12, SGDT19, Tag20, Whe09, YPLZ19].
Collection [APB⁺16, IMR⁺18].
Collections [CFV19, Cop14]. **Collective** [ISG20, OC20]. **College** [hSgLH17].
Collision [HJA18]. **Collocation** [Bea10].
Colombia [FSG⁺16]. **Colony** [GW15, LW19]. **Color** [MCM⁺10]. **Colored** [DCHM16]. **Coloring** [MCM⁺10].
Combinational [YY17]. **Combined** [LMPT19]. **Combining** [CMP⁺19, HYL19, LS15, SU17a, Whe09, ZLXY19]. **Come** [DGD⁺19]. **Comfort** [ZGL20]. **Comment** [KLKA19, FC19]. **Comments** [LY19].
Commerce [CMP⁺19, TLC15, WYX18].
Common [NDKBL19]. **Communication** [AK18, ADM19a, AMZ⁺20, BF18, BCM⁺19b, FM16, FHS⁺10, HAL18, Jal19, KALY17, LH19, LSJ19, OFK19, RRS20, SGR⁺13, SSS⁺19, SM19, THT18, WY19, YT19, YT18, ZZY19]. **Communications** [ASL17, AP19, CFP17, CFP19, HYL13, KFP10, Lee18, PSC19, PSM⁺18, SHC18, SHN⁺19, WSM20]. **Community** [BLW⁺17, Cop14, GSD⁺17, Hua15, LN19, NZZ13, WZC19, ZVV12, Zha19, ZGH13].
Community-Driven [ZGH13]. **Compact** [CLZL18]. **Comparative** [Jal19, RCGSL19].
Comparison [CTM19, GM16, HF14, NZZ13].
Compensated [LMH19]. **Compensation** [AD20, MMN19]. **Competencies** [SSOA⁺16]. **Competitive** [MATP19].
Complex [CPI⁺18, DLX⁺19]. **Complexity** [FSG⁺16, WZL⁺20]. **Compliance** [BFFZ⁺12]. **Components** [TGS⁺19].
Composite [ZZWP19]. **Composition** [DCHM16, KKT20, MKSV⁺19].
Composting [NPM⁺18]. **Comprehensive** [AMCI17, CSIS19, KKG20, MDT20, YJSL18].
Compressive [GTC19, LX17].

Computation [DeD16, TLC15]. **Computational** [AK19, BOKC19, DVED20, HWCL17, Let16, LAG⁺18, RPHJ11]. **Computations** [PH16]. **Compute** [GVC13]. **Computer** [CB16, TA15]. **Computer-Mediated** [TA15]. **Computing** [AAA⁺19, AGC18, ARC⁺19, AD18, ALDS19, BB17, CPM⁺19, DGD⁺19, GW15, GMH18, IBBA20, IHOW16, KLZ16, MSC19, MDT20, MATP19, NLPV12, Pec18, PdRB19, SEB⁺19, TTKZ19, TL19, VdHH⁺19, VKM⁺19, XQLZ19, YPZ18]. **Concept** [ESB⁺20, GPCP12, GK19, SGR⁺13, VLC⁺19]. **Concepts** [RMB⁺12]. **Conceptual** [BRBC14, For14]. **Concerning** [FZ15]. **Concerns** [GM16, MKKG19]. **Concomitant** [LQFI17]. **Condition** [ZLS19]. **Conferences** [Sem11]. **Conferencing** [TTO⁺19]. **Confidence** [DHEK19]. **Configuration** [BN14]. **Confirmation** [PLL11, UANU20]. **Conflict** [DeD16, MCM⁺10]. **Conflicts** [Kos16]. **Conformal** [WLHR13]. **Conformity** [HC19]. **Congestion** [ALST20, MMMH19, SZFC18]. **Conjecture** [PLL11]. **Conjunction** [DGG19]. **Connected** [KSE⁺20, RZQS18, ZHZ⁺19]. **Connections** [Tsi14]. **Connectivity** [GHFM20, VC19, Zaf12]. **Consensus** [LLW⁺17]. **Consequences** [BM19, Ler16]. **Conservation** [NPB12]. **Considered** [SE15]. **Considering** [CZK⁺17, TGS⁺19, UDF⁺19, WZLW19, YLK⁺19, ZY15]. **Consistency** [DCB19]. **Consolidation** [AJ18, XCSM18]. **Constrained** [dOB19]. **Constraint** [XQLZ19, ZY15]. **Constraints** [AD18, SWGL19, TCH18]. **Construction** [BFFZ⁺12, DG18, DWY⁺19a, LLJ16, PLA17, PLA17]. **Consumer** [EHJ17]. **Consumption** [FGBMG19, HAL18, SMG13, WLHR13, ZWZ19]. **Containers** [YCS17]. **Content** [AA19a, BN14, Cap12, IP16, KC19, LNA17, MAW⁺19, MOAI17, SYB⁺18]. **Content-Centric** [KC19]. **Contents** [BCG10]. **Contests** [Yan19]. **Context** [ALLR16, FZ15, GMH18, GRJ⁺19, HBFJ20, LCMV17, LHSS12, MEO18a, MMS⁺19, PDTM15, PPGC16, PSC19, ZZ18]. **Context-Aware** [ALLR16, MEO18a, MMS⁺19, PDTM15]. **Context-Based** [LHSS12, PPGC16]. **Contexts** [HL19]. **Continuous** [LG20]. **Continuum** [BSEL20]. **Contracts** [GLD⁺18, KPP⁺20]. **Contribution** [TL19]. **Contributions** [GS12, NZZ13]. **Control** [APB⁺16, AAA⁺20, AKJB20, BM20, CSIS19, DCG12, DL19, EW19, GGK18, GRRZ18, HGJA18, LHSS12, MSN13, RRP17, SU17a, SZFC18, Tra18, UFK⁺10, WLCS17, WZX20]. **Controller** [SHBS19, WKW18, YLK⁺19]. **Controlling** [ZGL20]. **Convergecast** [WC17]. **Converged** [MKvD11]. **Conversational** [MMS⁺19]. **Conversion** [LMLW18, LMH19]. **ConvNets** [DWY19b]. **Convolutional** [GTC19, LQY⁺19, SYZ19, WYL18, YCHG18, dOB19]. **Cooperation** [GDLG18, HRAA19, SU17b, TEE10]. **Cooperative** [CFP17, KALY17, MSK⁺18, SU17a, SU17b, ZZY19]. **Coordinate** [ZQCC16]. **Coordinated** [SWY⁺18]. **Coordination** [Pet11, TGS⁺19, TFKY19]. **Coping** [BM19, HJA18]. **Coprocessor** [QMN19]. **Coprocessor-Based** [QMN19]. **Coproduction** [DCA16]. **Copy** [LSC⁺17]. **Copyright** [DN20, ZWWW17]. **Core** [FWVF19, YPG20]. **Correct** [SOSC⁺16]. **Correlation** [GKK⁺19]. **Cosine** [OY19]. **Cost** [CZK⁺17, GDLG18, LLJ16, MDT20, MKK17a, PR11, TPD⁺20, VL18a]. **Cost-Aware** [MKK17a, VL18a]. **Costs** [CPM17, MGV17, RPHJ11]. **Countermeasures** [OB13]. **Countries** [AT14, BZDP19, GMRRRQ⁺16, GPK⁺20, JII17]. **Counts** [RCGSL19]. **Coupled** [ZWPL19]. **Courts** [CBB17]. **Cousins** [BPBF12]. **Cover** [Mah17]. **Coverage** [Cro19, GM20, GHFM20, SSS⁺19, YPG20]. **COVID** [ESB⁺20, Kra20]. **COVID-19**

[ESB⁺20, Kra20]. **CP** [WZX20]. **CP-ABE** [WZX20]. **Crater** [WBG12]. **Crawling** [PCF⁺14]. **Create** [Whe09]. **Created** [Kra20]. **Creating** [HDL⁺14, HPC12]. **Creation** [CYO⁺17, Goe12]. **CRF** [XGN19]. **CRISOLA** [FMNS11]. **Criteria** [DDPVP18]. **Critical** [HBMS20, Roy14]. **Cross** [BM19, BRP⁺13, KSE⁺20, MKKS18, MSR⁺14, SKT⁺19, WZC19]. **Cross-Border** [KSE⁺20]. **Cross-Disciplinary** [MSR⁺14]. **Cross-Layer** [SKT⁺19]. **Cross-Network** [BRP⁺13]. **Cross-Sectional** [BM19]. **Cross-View** [MKKS18]. **Crossing** [MAW⁺19, PCC⁺18]. **Crowd** [Lal14, NPB12, YPZ18]. **Crowdsensing** [KK20, Pil18, SSO⁺19]. **Crowdsensing-Based** [KK20]. **Crowdsourced** [Goe12, NZZ12]. **Crowdsourcing** [DQ18, PG14, PLSF14, Pil18, Yan19]. **Crypto** [DMO⁺19]. **Crypto-Currency** [DMO⁺19]. **Cryptographic** [MKK17b, RPHJ11]. **Cryptography** [HEP⁺11]. **Culture** [GSD⁺17, SOS⁺16]. **Cumulative** [DTTK19]. **Curating** [TG13]. **Curation** [WKPC18, ZGH13]. **Currency** [DMO⁺19]. **Curricula** [SSOA⁺16]. **Customer** [HC19, KPP⁺20, LYP⁺19, ZS18, ZY15]. **Customizing** [SSS⁺19]. **CWM** [KH10]. **Cyber** [AS19, DGD⁺19, FSG⁺16, GW13, HBFJ20, Kos16, LH19, LGV13, SKI⁺19, TKT⁺18, VYN19, WLH⁺17, YOI19, dCdG20]. **Cyber-Physical** [GW13, LH19, TKT⁺18]. **Cyber-Storms** [DGD⁺19]. **Cyberphysical** [KKG20]. **Cybersecurity** [KKG20, Tag20, TSZ⁺18]. **Cyberstalking** [BM19].

D2D [ASL17, HWCL17, HAL18, MOAI17, PSM⁺18, SSF⁺18, SHC18, SHN⁺19, Wan17, WSM20]. **D2D-Enhanced** [MOAI17]. **Dashboard** [VI16]. **Dashboards** [Smi15].

Data [AJ18, APB⁺16, AGC18, ARC⁺19, ACAP20, BM20, BBGP19, BC19, BHM⁺19, CMP⁺19, CFV19, CGLR19, CH16, CGMVdUC19, CL19, DGADE14, DVED20, EHJ17, EvdMB20, Fio10, FMNS11, GM16, GM19, GRRZ18, GMS⁺20, HCXH16, HS18a, HWZP18, HN18, HWCH12, JXA19, Jeo20, KST19, KS14, KPCS13, KH19, LG20, LFM⁺19, MXT⁺16, MMH16, MS16, MSR⁺14, MATP19, MSFM16, MP13, NZZ13, Pec18, Pil18, PH16, PM17, PNM⁺20, QMN19, QAM17, RAA⁺18, Roy14, SSR17, SOR16, SAZ18, SZFC18, TG13, UDF⁺19, Ves18, VCB14, WLL⁺19, YJSL18, YWW⁺19]. **Data-Driven** [Ves18]. **Data-Enabled** [MMH16]. **Database** [EvdMB20, GM19]. **Databases** [DGADE14, DCB19]. **Datacenters** [CZY17, IBBA20]. **Dataset** [BGD09, VKKA17]. **Datasets** [BS17]. **Dating** [VYN19]. **Day** [HCXH16]. **DCT** [SS17]. **DDoS** [HK18, HP16, WKW18]. **Deadline** [AD18, XQLZ19]. **Deadlines** [oRL19]. **Debate** [OC20]. **Decentralized** [BM20, CZK⁺17, KPP⁺20, MT17a, SCA⁺19]. **Decision** [BM18, FMA⁺20, MHSH16, PR12, SZC19, YKC19]. **Decision-Making** [MHSH16]. **Decisions** [AK19]. **Decoupled** [MEO18a]. **Decoupling** [DMO⁺19, LWY20]. **Decoupling-Based** [LWY20]. **Deducing** [EHJ17]. **Deep** [Alb19, JXA19, LWX18, LLZL19, RPB⁺17, SWD⁺18, WYL18, YLJ⁺19, ZZSX19]. **DeepDiver** [RKY20]. **Deeply** [RKY20]. **Defeating** [HVS17]. **Defect** [Alb19]. **Defence** [LGV13]. **Defend** [FHXL19]. **Defenses** [BB17]. **Deferred** [KH19]. **Deficit** [SIJA10]. **Defined** [BM14, EW19, GGW18, LXL⁺19, MZS19, MP16, Pap20, SKT⁺19, SAM⁺18]. **Degree** [CEZC19, DH18, DTTK19, LHW18]. **Delay** [BKL⁺19, CL16, MKK17b, QWR18, USS19]. **Delay-Tolerant** [USS19]. **Delivering** [Nil12]. **Delivery** [LNA17, LCW⁺18, SH20].

Delta [SSS⁺19]. **Demand** [DTTK19, KAL⁺19, SWZ18, SWY⁺18]. **Demand-Responsive** [SWZ18, SWY⁺18]. **Demands** [Pin10]. **Democracy** [Rot12]. **Demonstration** [GKG19]. **Denial** [BB17, SGDT19]. **Denial-of-Service** [BB17]. **Denied** [FKK20]. **Dense** [LTY18, LWY20, MGV17]. **Dense/Ultra** [MGV17]. **Dense/Ultra-Dense** [MGV17]. **Densely** [OFK19, YCHG18]. **Densely-Populated** [OFK19]. **Density** [HBMS20, YPXH19, YW16, ZQCC16]. **Density-Based** [HBMS20]. **Dependability** [BBGP19, Tri14]. **Dependent** [JLGF19, ZGH13]. **Deployed** [KOJP13, RS17]. **Deployment** [MKS⁺19, NPB⁺19]. **Depth** [DHEK19, RKY20, TCH18]. **Description** [GL12]. **Design** [ALDS19, BM14, CSIS19, Ciu19, CFX20, DL10, HDK⁺12, Hua15, JLZ18, KG18, KPCS13, LLHW20, Let16, LN19, LYMG17, MZS19, MMH16, NPB⁺19, PR11, RIS⁺17, Sem11, SH20, SIZD12, SWZ18, SWY⁺18, Tag20, Tri14]. **Design-Two** [HDK⁺12]. **Designing** [CHH⁺16, KID⁺15, RS17]. **Destination** [OT16]. **Detect** [LMLW18, WKW18]. **Detecting** [RD18, SFEK18]. **Detection** [AdMTJ20, FHXL19, FMA⁺20, GMMI16, GKW⁺10, HCXH16, HP16, HN18, HBMS20, KVST19, LMK18, LQY⁺19, LRdLS19, LN19, MCM⁺10, MSN13, RPB⁺17, SSF⁺18, SQK⁺17, SGDT19, TLM⁺20, VKKA17, WCF⁺16, WLL⁺19, XSX18, YZC⁺20, ZHZ⁺19, ZZ18, ZCHG19, ZZSX19, MGFF14]. **Detections** [SWGL19]. **Detectors** [GSP15]. **Determinants** [Zha19]. **Develop** [SOSR⁺16]. **Developing** [AT14, CYO⁺17, DWY⁺19a, GMRRRQ⁺16, JII17, ML20]. **Development** [ESB⁺20, FLRS12, GS12, HPC12, LWY⁺15, MS16, NZZ13, PLL11, RIS⁺17, SSOÁ⁺16, SS14, THT18]. **Developments** [NZ14]. **Device** [ADM19a, CFP17, JWRX17, KTP17, KALY17, NSV17, ZLS19]. **Device-to-Device** [ADM19a, CFP17, JWRX17, KALY17, NSV17]. **Devices** [BKSS19, RC18, RSX18, RPHJ11, YZC⁺20, dOB19]. **Diabetes** [NB12]. **Diagnosis** [WZL⁺20]. **Diesel** [Tra18]. **Differences** [GS11]. **Differential** [AMZ⁺20, DQ18]. **Differentiation** [Söd13]. **Digital** [AT14, BCL11, Cop14, FR15, GLRM19, GWK17, GS11, Gra13, HSM19, IP16, IL14, LNB12, Lee17a, MSIP20, OGR⁺20, SPSS17, Söd13, TCG19, Yan17]. **Digitizing** [APB⁺16]. **Dimensional** [Goe12, YLJ⁺19]. **Dimensionalities** [McK20]. **Direction** [CZZH15]. **Directional** [ZGZ⁺18, ZZY19]. **Directions** [BSEL20, BPG19]. **Directory** [BC19]. **Disabilities** [CWF13]. **Disability** [Söd13]. **Disadvantage** [Smi13]. **Disaggregation** [PPGC16, YWW⁺19]. **Disambiguation** [Bea10, OY19]. **Disassociation** [ACAP20]. **Disaster** [UUT⁺19, UANU20, YT15]. **Disasters** [BOKC19]. **Disastrous** [PFL⁺12]. **Disciplinary** [MSR⁺14]. **Discourse** [DL10]. **Discover** [KKBD10]. **Discovery** [KS19, WZC19, YZC⁺20]. **Discriminant** [DWZN16]. **Discriminative** [SQK⁺17]. **Discussion** [Hel15]. **Displacement** [WL20]. **Display** [HSM19]. **DISSECT** [MKK17a]. **DISSECT-CF** [MKK17a]. **Dissemination** [BRP⁺13, GMS⁺20, UDF⁺19]. **Distance** [ERBL12]. **Distortion** [Lee17a]. **Distributed** [BB17, HEP⁺11, LSF19, MXT⁺16, MBF⁺12, SGDT19, Tas10, VdHH⁺19, VKM⁺19, WYS17]. **Distribution** [AMZ⁺20, EW19, MT17a, MT17b, YG20]. **Distributions** [GNK⁺10]. **Disturbances** [TGELGH13]. **Diverse** [Bi14]. **Divide** [AT14, BCL11]. **Diving** [RKY20]. **DNS** [HN18]. **Do** [Mar13]. **DOA** [LWHR14, WLHR13]. **Document** [PPR⁺20]. **Domain** [DCG12, GPCP12, KS19, MMS⁺19, SAM⁺18, ZWZ17].

Domain-Specific [KS19]. **Domains** [HWCH12]. **Dominance** [GPK⁺20]. **Dominant** [ARAAA19]. **Dominating** [ZHZ⁺19]. **Don't** [Tsi14]. **Doocing** [FC19]. **DOORS** [Tas10]. **Double** [BCG10, RD18]. **Double-Boomerang** [BCG10]. **Down** [Kra20]. **Downlink** [MEO18a, SHN⁺19]. **Downlinks** [KLKP19]. **Downloading** [BC19]. **Downward** [WCM19]. **Downward/Upward** [WCM19]. **DPIA** [HBFJ20]. **Driven** [AS15, PLL11, RDD⁺14, Sof19, Ves18, YPM12, ZGH13]. **Driver** [LQY⁺19]. **Driverless** [ZYLM17]. **Driving** [Gog12, LLR19, YKY18]. **Drones** [RS17]. **DSP** [DDZ18, GDARM18, WZG⁺18]. **DSP-Based** [DDZ18, GDARM18, WZG⁺18]. **DTN** [OT16, THT18, YT15]. **Dual** [DYS15, PBAAN19, ZHZ⁺19]. **Dual-Band** [PBAAN19]. **Dualism** [Ant12]. **Duplex** [AZ19, SNH⁺19]. **Duqu** [BPBF12]. **during** [PS17]. **Duty** [SWGL19]. **Dynamic** [ADM⁺19b, BCG10, CZY17, DH18, FSG⁺16, GW15, Gro17, HVS17, KP19, KKT20, Lee17b, MP16, MATP19, PDTM15, RC18, RAA⁺18, SHBS19, SZFC18, UFK⁺10, VL18a, WZLL19, XCSM18, XDS⁺19, XQLZ19, YLK⁺19, ZL19b]. **Dynamical** [TLC15]. **Dynamics** [MGFF14]. **Dynamis** [PDTM15].

E-Commerce [CMP⁺19, TLC15, WYX18]. **E-Democracy** [Rot12]. **E-Government** [JII17, Yan17, AZV16, DGKL15, GS12, ZKV12, ZAV14]. **E-Health** [Nil12, AMAJ12, SIZD12]. **E-Learning** [ESB⁺20]. **E-Training** [ACBP19]. **EAOA** [GM20]. **Early** [GMMI16, HP16]. **Earth** [BC19, Kra20]. **Earthquake** [PFL⁺12]. **Ease** [BFFZ⁺12, KMS⁺12]. **EASY** [LSM⁺12]. **ECG** [Ciu19]. **ECHO** [KP15]. **Ecological** [ACK⁺16]. **Economic** [KAL⁺19]. **Economy** [LGMZ19]. **Ecosystem** [FSG⁺16, Fri13, Li18].

Ecosystemic [Giu18b]. **Ecosystems** [FYWS16, HPC12]. **EDAS** [AS15]. **Edge** [ALDS19, BCM⁺19b, CPM⁺19, DVED20, DHEK19, IG10, LKIL19, MATP19, SSF⁺18, SEB⁺19, TTKZ19, VKM⁺19, VLC⁺19, YPZ18, ZZWP19]. **Edited** [MC12]. **Editor** [DeD16]. **Educate** [SAF14]. **Education** [ERBL12, Mar17]. **Education-Case** [ERBL12]. **Educational** [TA15]. **Effect** [DTTK19, HCW20, HC19, HJA18, WZLW19, ZS18]. **Effective** [AK19, PDTM15]. **Effectiveness** [ELC⁺19, KID⁺15]. **Effects** [BHH12, DPBG18, ESB⁺20, GL19, PDMK19]. **Efficiency** [HRAA19, SKI⁺19, SNH⁺19, Wan17, YPG20]. **Efficient** [AK19, CFP19, JWRX17, KFP10, KSSF19, LCW⁺18, LXL⁺19, LHSS12, MMA10, Mah17, PZH⁺18, RRP17, SOR16, WYS17, XZ19, YPXH19, YLH⁺17]. **Effort** [Alb19]. **Effort-Aware** [Alb19]. **eHealth** [HP19, IKP⁺13]. **Elastic** [AD18, VdHH⁺19, YCS17]. **Elderly** [FR16, PS17]. **eLearning** [Smi15]. **Electric** [YKY18]. **Electrocardiogram** [Ciu19]. **Electroencephalography** [HYLP19]. **Electromyography** [DAMAS⁺19]. **Electronic** [PPR⁺20]. **Element** [WX20, XGN19]. **Elgamal** [ADM19a]. **Eliminating** [DCG12, Söd13]. **Elliptic** [ADM19a]. **Elliptic-Elgamal-Based** [ADM19a]. **Elusive** [VI16]. **Embedded** [BKSS19, PPMMS19, SS17, ZZSX19]. **Embedding** [FR15]. **Emergencies** [Han13]. **Emergency** [DG13, DCA16, GW13, LGV13]. **Emerging** [IG10]. **Emissions** [SSO⁺19]. **Emote** [DG18]. **Emoticon** [YKC19]. **Emotion** [HYLP19, LY19]. **Emotional** [CCM⁺17, YKC19]. **Empire** [Ant12]. **Empirical** [HSM19, ISG20]. **Empowered** [HWCL17]. **Empowerment** [FBOC15]. **Emulating** [Mat20]. **Enable** [KMS⁺12, SU17c]. **Enabled** [GMS⁺20, Lee17a, Lee17b, MMH16, SG12, ZZWP19].

Enabling [FM16, GDARM18, HG12, KGKP20, PSM⁺18]. **Encrypted** [GKG19, HWZP18, SOR16, Uto13]. **Encryption** [KHRG19]. **End** [BdCRM10, HS18a, MS16, NPB⁺19]. **End-To-End** [NPB⁺19, BdCRM10]. **End-User** [MS16]. **Energy** [AGC18, CFP19, EHJ17, GL13, GM20, HRAA19, HAL18, JWRX17, KAL⁺19, KFP10, Lee17b, LYP⁺19, LXL⁺19, MMA10, Mah17, OO19, PPGC16, RPHJ11, SXXH19, SNH⁺19, WLHR13, WYS17, Wan17, WZL⁺20, YPXH19, YPG20, YG20, YLH⁺17, ZWZ19]. **Energy-Aware** [GM20]. **Energy-Based** [KAL⁺19]. **Energy-Efficient** [JWRX17, LXL⁺19, YPXH19]. **Energy-QoS** [GL13]. **Energy-Saving** [LYP⁺19]. **Engagement** [ACBP19, Gar12]. **Engine** [KH10, Tra18, VG20]. **Engineering** [AS19, DL10, KKG20, RRP17, SK19, UB18, ZLL18]. **English** [AdMTJ20, GPK⁺20, hSg LH17]. **Enhance** [Hua15, HYLP19, KMS⁺12, PLSF14]. **Enhanced** [DWZN16, FPT20, LSJ19, MEO18a, MOAI17, Pec18, SE15, SS15]. **Enhancements** [WC17]. **Enhancing** [ACM⁺19, BGGP19, PNM⁺20, Smi13, TA15]. **Enough** [GLD⁺18]. **Enriching** [DBD⁺14]. **Ensemble** [Alb19, WLL⁺19]. **Enterprise** [Pet11]. **Entitle** [Zha19]. **Entity** [ATH18, GXWD19, LMPT19]. **Enumerated** [Tsi14]. **Environment** [AK18, Gra13, Jal19, JP13, LWY⁺15, McK20, MSIP20, NPB⁺19, RZQS18, RK19, SPSS17, VFFHF19, ZJ18, ZYLM17]. **Environmental** [Cro19, FZ15, GAGB19, GN16, LZ11]. **Environmental-Based** [GAGB19]. **Environmentally** [XSX18]. **Environments** [ALLR16, ARC⁺19, AD18, CPI⁺18, DGKL15, DPBG18, FMCT09, GSD⁺17, HXHP17, RGMFM12, SKT⁺19, VFS⁺19, YOI19]. **Epidemic** [ESB⁺20, HD19]. **Episodes** [ML20]. **Equipment** [KWI⁺19]. **Era** [BCM⁺19a, DGD⁺19, Yan17]. **ERM OCTAVE** [MSC19]. **Error** [WX20]. **Escape** [WLCS17, FAT19]. **ESTA** [SS15]. **Estimates** [ALST20]. **Estimation** [DWY19b, KWI⁺19, LWHR14, LLJ16, WLHR13]. **Estimations** [Cop14]. **Ethical** [VI16]. **EU** [GPK⁺20]. **Europe** [TCG19]. **European** [FMNS11]. **EV** [WHXL18]. **Evacuation** [DG13, FAT19]. **Evacuees** [Bi14]. **Evaluate** [GMRRRQ⁺16, dCdG20]. **Evaluating** [CEZC19, KTUF19]. **Evaluation** [AS15, BS17, BCG10, DHEK19, HCXH16, KP19, KAS⁺20, MMMH19, SSOÁ⁺16, hSg LH17]. **Event** [AS15, RAA⁺18, SJ20, VdHH⁺19, WZ18]. **Event-Driven** [AS15]. **Events** [PFL⁺12, TADS20]. **Everything** [MAEP18, SNKG20]. **Evidence** [HCHP16, ISG20, Lal14]. **Evolution** [DYS15, Giu18b, HD16, Let16, MP20, MKvD11, NZZ12, ZZ19]. **Evolving** [MUS11]. **Ex** [LAG⁺18]. **Examination** [Roy14]. **Examine** [HT14]. **Examining** [GS11, HCW20]. **Example** [GL19]. **Excellence** [GKK⁺19]. **Exchange** [CGLR19, HWCH12, Jeo20]. **Exclusion** [PE13, WT13]. **Exhibitors** [VNJ18]. **Expectation** [LNA17]. **Experience** [EMHF19, FC19, HCW20, KTS18, KPC19, PDMK19, SS14, TKT⁺18]. **Experiences** [Øie12]. **Experiential** [Dav12]. **Experiment** [TL19]. **Experimental** [BRP⁺13, FGBMG19]. **Experimenting** [LGMZ19]. **Expert** [SSOÁ⁺16]. **Expertise** [ZGH13]. **Exploiting** [GKW⁺10, HDL⁺14, KKBD10, NSV17, VL18b]. **Exploration** [VRA⁺18]. **Explorative** [GDCM19]. **Exploratory** [Sac19]. **Exploring** [BHH12, GPK⁺20, McK20, PM17]. **Exposed** [FKK20]. **Exposing** [TG13]. **Expressions** [HYLP19]. **Extended** [BLW⁺17]. **Extensible** [PG19]. **Extension** [MKK17a, SSR17, LSM⁺12]. **Extensive** [TEE10]. **Extraction** [WZ18].

Fabric [LLHW20]. **Face** [Gar12, RSX18, ZZ18]. **Face-to-Face** [Gar12]. **Facebook** [GM16]. **FaceMashup** [MS16]. **Facial** [HYLP19, LQY⁺19, SWD⁺18]. **Facilitating** [LSM⁺12]. **Factors** [GN16, Yan19, ZVKK19]. **FaDe** [CGLR19]. **Failure** [GMMI16, PG19]. **Fair** [CGLR19, HWCL17, KSSF19, MSK⁺18]. **Fairness** [DPBG18, LWY20, SIJA10]. **Fairs** [VNJ18]. **Fairway** [Ngu19]. **Fake** [AdMTJ20]. **Fallacy** [DGGS19]. **Farm** [LSM⁺12]. **Farms** [GMRRRQ⁺16]. **Fast** [AMZ⁺20, EMHF19, NSV17, ZZ18]. **Fatigue** [LQY⁺19]. **Fault** [RK19, WZL⁺20]. **Fault-Tolerance** [RK19]. **Feasibility** [PS17]. **Feature** [AWHF19, LQY⁺19, SQK⁺17, TCB⁺19, ZWWW17, ZY18, ZLXY19, ZCHG19]. **Feature-Based** [TCB⁺19, ZWWW17]. **Features** [AdMTJ20, AFAAM19, LPM10, MKKS18, MSN13, WZ18, YPZ18]. **Fed** [Giu18b]. **Federated** [DDPVP18]. **Feedback** [SAF14, TA15, WYX18]. **Feeder** [SWZ18, SWY⁺18]. **Felix** [PG19]. **Femtocells** [HGJA18, KOJP13]. **Fi** [BCM⁺19a, Lee17a, Lee17b]. **Fiber** [MG10, GLW⁺19]. **fiber-induced** [GLW⁺19]. **Fiber-Wireless** [MG10]. **Field** [XJ10]. **Files** [Uto13]. **Filter** [WWYQ19]. **Filtering** [DH18]. **Filters** [AD20]. **Financial** [PS16]. **Finding** [HP16]. **Findings** [KP15]. **Fingerprinting** [SOA⁺20]. **Finite** [DeD16]. **Finite-State** [DeD16]. **Fire** [XSX18]. **Firefighter** [SGR⁺13]. **Firework** [MLM14]. **Firms** [DWY⁺19a, PLA17]. **First** [LF16, VLC⁺19]. **Fisher** [DWZN16]. **FiWi** [MG10]. **Fixed** [OT16]. **Fixed-Route** [OT16]. **Fixing** [FKK20]. **Flame** [BPBF12]. **Flat** [EW19, LHW18]. **Fleet** [RS17]. **Flexible** [Gro17, KAL⁺19, Sor12]. **Floating** [PDMK19]. **Flow** [SU17b, TCH18]. **Focus** [Gar12, GSO⁺10, ZQCC16]. **Focused** [DBD⁺14]. **Fog** [ADM⁺19b, ARC⁺19, MDT20, Pec18, PdRB19, SNKG20, SEB⁺19, VdHH⁺19]. **Followers** [ZAV14]. **FollowMe** [YPLZ19]. **Food** [BYS⁺15, PPMMS19, BYS⁺15]. **Football** [TCG19]. **Forcing** [GVC13]. **Forecast** [HLZ⁺18, MSIP20, WX20]. **Forecasting** [CMP⁺19]. **Forensic** [SKI⁺19]. **Forensics** [HCHP16, IL14]. **Forest** [XSX18]. **Forex** [DMO⁺19]. **Forgery** [LMLW18]. **Format** [KMS⁺12]. **Forward** [GVC13, KFP10, LCW⁺18, SJG18, XGN19]. **Forward-Looking** [XGN19]. **Forwarding** [KTUF19]. **Foster** [ACK⁺16]. **Fostering** [CL19]. **Foundations** [FHS⁺10]. **Four** [LF16]. **Fractional** [CL16]. **Fragmentation** [SIJA10]. **Frame** [Lee18, LMLW18, LMH19]. **Framework** [ACBP19, BRBC14, BG09, BKSS19, BLW⁺17, BM18, CCM⁺17, DQ18, Fio10, GMS⁺20, IOW16, JLH⁺13, JII17, KVST19, KP19, KS14, KKT20, LZL⁺17, LNG19, MSC19, PPN18, PG19, RD18, Sor12, VdHH⁺19, VCB14]. **Frameworks** [DWY⁺19a]. **Franchise** [SOB⁺19]. **Fraud** [LRdLS19, MT17a]. **Frauds** [VKKA17]. **Frequency** [Lee17a, OFK19]. **Friendly** [RRP17]. **Fronthaul** [MGV17]. **Frontline** [SGR⁺13]. **FttC** [MGV17]. **FttC-Based** [MGV17]. **Full** [AZ19, SNH⁺19]. **Full-Duplex** [SNH⁺19]. **Fully** [Pri10]. **Function** [ELC⁺19, GGK18, GKG19, Pap20]. **Functions** [MP16]. **Fused** [AWHF19]. **Fusepool** [KS14]. **Fusion** [LQY⁺19, WX20, YWW⁺19, ZZ18, ZLXY19, ZCHG19, ZQCC16]. **Future** [BSEL20, BLU⁺15, BPG19, CFV19, DPH17, DPH19, DDPVP18, FC19, FGBMG19, Fra18, Fri13, GAGB19, GPCP12, GW13, HS09, IBBA20, IKP⁺13, KGKP20, KHN⁺11, LZL⁺17, LCMV17, MG10, MMF⁺19, MSIP20, MKvD11, MAEP18, NZ14, Pri10, SG19, Fut20, Giu18a, Off15, Off16, Off17, Off18, Off19]. **Fuzzy**

[DDPVP18, DCHM16, HWZP18, KKEV17, PCC⁺18, Tra18, YPMM12]. **Fuzzy-Based** [PCC⁺18]. **Fuzzy-NN** [KKEV17]. **Fuzzy-Rule-based** [YPMM12].

G [FG17]. **G-Networks** [FG17]. **G.723.1** [WLYL20]. **Game** [AZ19, LSF19, MEO18a, MSH16, TKT⁺18]. **Game-Theoretic** [LSF19]. **Gamification** [MKKG19]. **Gaming** [BHH12]. **Gated** [SJ20]. **Gauss** [BPBF12]. **Gaussian** [TGELGH13]. **Gazetteers** [Lau15]. **GB** [WZG⁺18]. **GB/s** [WZG⁺18]. **GDPR** [Ves18]. **Gender** [AT14, GSD⁺17, Mar13, VYN19]. **General** [LNG19]. **Generalized** [SIJA10]. **Generated** [FR16]. **Generating** [JLH⁺13]. **Generation** [FWVF19, HEP⁺11, HLLT10, IG10, KP19, MKSV⁺19, RYY10, SAZ18, WZG⁺18, YKY18]. **Generators** [CHH⁺16]. **Genetic** [JHL⁺18, SWY⁺18, TTKZ19]. **Genres** [Hor19]. **GEO** [KLKP19, PLSF14]. **Geo-Wiki** [PLSF14]. **Geocache** [GN16]. **Geocentric** [Mat20]. **Geodata** [Goe12]. **Geographic** [CR11, FZ15, Lau15, NZZ13, NZ14, PA13]. **Geographical** [PLSF14]. **Geography** [PLSF14]. **Geolocalization** [MCCHO19]. **Geomatics** [HDK⁺12]. **Geometric** [TCH18]. **Geospatial** [BGD09, LW11, PFL⁺12, RMB⁺12]. **Geostationary** [Mat20]. **Geovisual** [SJ12, SLY⁺12]. **Germany** [NZZ12]. **Gesture** [RSX18, ZL19b]. **GitHub** [WKPC18]. **GLI-Split** [MHK13]. **Global** [KH10, Kos16, LPM10, Mal20, MHK13]. **Globes** [SPC⁺11]. **Go** [PdRB19]. **Gold** [CTM19]. **Google** [CMP⁺19, RCGSL19, ZVKK19]. **Governance** [Roy14, Tag20]. **Government** [AZV16, DGKL15, GS12, HPC12, JII17, Sca14, Yan17, ZKV12, ZAV14]. **GPU** [RPB⁺17]. **GPU-Powered** [RPB⁺17]. **GPUs** [XZ19]. **Gradient** [SDL⁺19]. **Gradient-Weighted** [SDL⁺19]. **Graph** [DG13, EvdMB20, HCHP16, OKH13, OFK19, SYZ19]. **Graph-Labeling** [OFK19]. **Graphs** [VRA⁺18]. **Gray** [HLZ⁺18, ZHZ⁺19]. **Greece** [SS14, ZKV12, ZAV14]. **Greek** [ZVV12, Zaf12]. **Grid** [GM20, LLW⁺17, Mal20]. **Grid-Based** [GM20]. **Gridded** [CH16]. **Gridless** [AAR⁺19]. **Group** [ASL17, DGG19, THT18, XDS⁺19, YJSL18]. **Grouping** [ZLLW18, ZZY19]. **Grouping-Proof** [ZLLW18]. **Groups** [ISG20]. **Growth** [MAEP18]. **Guarantee** [Pin10]. **Guidelines** [HF14, KP15, Sof19]. **Guiding** [PS17].

H [FC19]. **Habit** [LMSC19]. **Handheld** [RPHJ11]. **Handoff** [CZK⁺17]. **Handover** [DYS15, MEO18a, MEO18b]. **Handshake** [YT15]. **Hard** [YPG20]. **Hard-Core** [YPG20]. **Hardware** [CPM⁺19]. **Harnessing** [GLW⁺19]. **Harvesting** [SXXH19]. **haul** [GLW⁺19]. **Hazards** [Cro19]. **HBase** [MXT⁺16]. **HDMM** [Tas10]. **Health** [AMAJ12, BGW16, BN14, KP15, Nil12, SIZD12, SCM12]. **Healthcare** [BHM⁺19, BGW16, HBMS20, LQF117, Tri14]. **Healthcare-Data** [BHM⁺19]. **Heart** [GMMI16]. **Heaven** [LCS12]. **Heavily** [MC12]. **Help** [FOJE19]. **Henhouse** [LWY⁺15]. **Heterogeneous** [AA20, DDPVP18, MZS19, MEO18b, XQLZ19, YPXH19, YPG20]. **HEVC** [EMHF19]. **Hidden** [RKY20, WY19]. **Hiding** [Fio10, GM19]. **Hierarchical** [DGKL15, LHW18, SJ20]. **High** [CR11, IBBA20, KKS⁺19, KLTC17, LTY18, SZC19, YCS17]. **High-Dense** [LTY18]. **High-Level** [SZC19]. **High-Performance** [IBBA20, YCS17]. **High-Speed** [KKS⁺19]. **Higher** [SIZD12]. **Highly** [CYO⁺17]. **HiiMap** [HEP⁺11]. **HMM** [WKW18]. **HMM-R** [WKW18]. **Hoc** [DLK10, FR16, KH19, SS15, YT18, BRP⁺13].

Hole [ZHZ⁺19]. **Holonic** [SU17a]. **Home** [GRJ⁺19, HSM19, HXHP17, KHN⁺11, LYP⁺19, LK20, PPN18]. **Homes** [KCK⁺19, LNB12, PPGC16]. **Homomorphic** [KHRG19]. **Honeypots** [LSF19]. **Hop** [LXL⁺19]. **Hopping** [DL19]. **Horizontal** [LBG⁺14]. **Host** [HCXH16]. **Hot** [HP16, WZC19]. **Hot-IP** [HP16]. **HRI** [KG18]. **HTTP** [KMS⁺12]. **Hub** [LH19]. **Human** [CB16, CYO⁺17, HDK⁺12, LMSC19, Ler16, MKKS18, McK20, SOA⁺20, Tsi14, YCHG18]. **Human-Computer** [CB16]. **Human-Like** [CYO⁺17]. **Human-Smart** [McK20]. **Humanoid** [PS17]. **Hunting** [RKY20]. **Hybrid** [JLZ18, JHL⁺18, KPCS13, LSC⁺17, LLBB18, SCA⁺19, XY18, YW16, YLK⁺19]. **Hybrid-Copy** [LSC⁺17]. **Hyperledger** [LLHW20].

I/O [JLH⁺13]. **IaaS** [XCSM18]. **IBM** [GMMI16]. **ICN** [Fot20, JLGF19, LNA17]. **ICN-Based** [JLGF19]. **ICT** [RRS20, Hua15]. **Identification** [PPR⁺20, Tag20, ZCZ17]. **Identifier** [LHW18, MHK13]. **Identify** [JLW19, ZHZ⁺19]. **Identifying** [FMCT09, MKKG19, WLH⁺17]. **Identities** [KHN⁺11, LBC18]. **Identity** [FR15, Gla11, SG12, VFFHF19]. **Identity-as-a-Service** [VFFHF19]. **Identity-Based** [FR15]. **Identity-Enabled** [SG12]. **Idling** [Kra20]. **IDS** [HCXH16, GSP15]. **IEEE** [MSK⁺18, SIJA10]. **III** [VI16]. **Ill-Structured** [VI16]. **Illicit** [KS19]. **Image** [BS17, CCC19, GRRZ18, KTS18, LPM10, SS17, TCB⁺19, USS19, WYL18, ZWWW17, ZWZ17, ZQCC16]. **Imagery** [CL19]. **Images** [Cop14]. **Imaging** [XZ19]. **Imbalanced** [JXA19]. **Immersive** [DHEK19, FOJE19, KTS18, ML20]. **Impact** [FC19, Hel15, KPC19, KKS⁺19, YLK⁺19]. **Impacting** [APB⁺16]. **Impacts** [HSM19]. **Impaired** [FBOC15]. **Implementation** [JLZ18, KPP⁺20, KPCS13, MMF⁺19, MMMH19, NPM⁺18, TPD⁺20]. **Implementations** [SG19]. **Implementing** [CHH⁺16, HLLT10, SE15]. **Implications** [DN20, MZ19]. **Implicit** [WYX18]. **Importance** [SOSC⁺16, YPLZ19]. **Importance-Based** [YPLZ19]. **Important** [ZVKK19]. **Improve** [CP10, LPM10, PPN18, YT19]. **Improved** [ADM⁺19b, AFAAM19, GXWD19, JHL⁺18, KC19, LLZL19, TL17, ZSZ18]. **Improvement** [HRAA19]. **Improvements** [LK20]. **Improving** [ACBP19, GKW⁺10, KID⁺15, LWY20, MLM14, RRP17, SKI⁺19, ZSF20, ZVKK19]. **In-Network** [KKBD10]. **In-Situ** [GRRZ18]. **Incidence** [LCV⁺17]. **Inclusion** [PE13]. **Income** [LRdLS19]. **Incorporating** [JLW19]. **Increasing** [HSC19, RSX18]. **Independent** [AdMTJ20, TPD⁺20, WY19]. **Index** [LNA17, WLYL20]. **Indexed** [YMJ20]. **Indicators** [SSR17]. **Indices** [KZ20]. **Individual** [GDCM19, MZ19]. **Individuals** [PS17]. **Indoor** [DWZN16, Goe12, MCCHO19]. **induced** [GLW⁺19]. **Industrial** [BML19, CSIS19, CMW18, CMH10, Jal19, LG20, MSN13, Pil18, SU17a, UB18]. **Industry** [BFFZ⁺12, CTM19, CEZC19, Lel19, Pil18]. **Inefficiency** [GSP15]. **Inequalities** [CWF13]. **Inequality** [Gra13]. **Infeasible** [AZ19]. **Inference** [dOB19]. **Infinite** [Tsi14]. **Influence** [DGGs19, ESLB20, LMK18, RZCL19, WZLW19, YPZ18, ZVV12]. **Influential** [SSF⁺18]. **Information** [ACM⁺19, BRP⁺13, CP10, DGADE14, FZ15, FP19, Fot20, GL19, ICF⁺11, Ler16, LW11, MWY19, MHSH16, NZZ13, NZ14, OT16, PS16, PA13, RRS20, SYB⁺18, SOSR⁺16, Sof19, SM19, Tri14, Uto13, UUT⁺19, Zha19, ZWZ19]. **Information-Centric** [ACM⁺19, FP19,

Fot20, SYB⁺¹⁸, SM19, ZWZ19].
Information-Driven [Sof19].
Infrastructure [CSIS19, HEP⁺¹¹, KMS⁺¹², NPB⁺¹⁹, SSS⁺¹⁹, Tas10, VFFHF19].
Infrastructures [HBMS20, KGKP20].
Initial [IPL⁺¹⁸]. **Initiatives** [OO19, VCB14]. **Injection** [SCA⁺¹⁹].
Innovation [ACK⁺¹⁶, CMK⁺¹⁶, CGMVdUC19, OGR⁺²⁰]. **Innovations** [GMRRRQ⁺¹⁶]. **Innovative** [SIZD12].
Input [AFAAM19, CFX20, oRL19, Smi15].
Insights [VDE⁺²⁰]. **Instagram** [BGW16, HS18b, IP16]. **Installation** [SOSR⁺¹⁶]. **Instance** [YLJ⁺¹⁹].
Instruments [PS16]. **Insurance** [GLD⁺¹⁸, MMN19]. **Integer** [GVC13].
Integrated [CMP⁺¹⁹, FMNS11, Li18, MKM⁺¹⁹, VLC⁺¹⁹, ZLL18]. **Integrating** [IP16]. **Integration** [DMZ⁺¹⁹, SOSK12, Tri14, VLC⁺¹⁹].
Integrity [HP19, XGN19]. **Intellectual** [CWF13]. **Intellectually** [FBOC15].
Intelligence [AK19, CL19, DN20, GRJ⁺¹⁹, ISG20, IG10, OC20, SKI⁺¹⁹, SG19, dCdG20]. **Intelligent** [BF18, DPH17, DPH19, IL14, MATP19, MKM⁺¹⁹, PSC19, SYB⁺¹⁸, VFS⁺¹⁹, WCF⁺¹⁶, ZJ18, ZGL20, ZZY19]. **Intensity** [CMW18]. **Intention** [HSM19, HC19, WLL⁺¹⁹]. **Inter** [BKL⁺¹⁹, Lee18, YT19]. **Inter-Frame** [Lee18]. **Inter-Packet** [BKL⁺¹⁹].
Inter-Vehicle [YT19]. **Interaction** [CB16, FR16, GNNZRCRG18, HC19, SU17a].
Interactions [BM20, DeD16, McK20].
Interactive [OOM⁺¹⁸, SPB⁺¹¹, VRA⁺¹⁸].
Interactivity [Zha19]. **Intercell** [TFKY19].
Interest [DTTK19, HS18b, Sor12].
Interestingness [MGFF14]. **Interface** [BS17, BHH12]. **Interference** [AZ19, HGJA18, HJA18, KTP17, KOJP13, Lee17b, TFKY19]. **Interference-Aware** [Lee17b]. **Internet** [FC19, AA20, AA19b, AS15, BML19, BBMR19, BZDP19, BYS⁺¹⁵, BLU⁺¹⁵, BCM^{+19b}, CPM⁺¹⁹, CMK⁺¹⁶, CFV19, CWF13, CMW18, CZY17, DDPVP18, DWY^{+19a}, Far12, FMA⁺²⁰, Fri13, Gog12, GS11, HRAA19, HEP⁺¹¹, HT14, Hel15, HF14, HS09, IG10, Jal19, Jia19, KHRG19, KH10, Lel19, Li18, LZL⁺¹⁷, MAEP18, NDKBL19, Off14, ORK⁺¹⁹, OC20, Pet11, Pri10, QSF⁺¹⁷, RIS⁺¹⁷, RKT19, SNKG20, Söd13, SGDT19, UB18, VC19, WZL⁺²⁰, WY19, ZR15, ZJX18, ZSF20, ZZY19, Fut20, Giu18a, Off15, Off16, Off17, Off18, Off19].
Internet-of-Things [FMA⁺²⁰]. **Internets** [Gog12]. **Internetworking** [Jia19].
Interoperability [HG12, KMS⁺¹², Lel19].
Intersection [YT19]. **Intra** [EMHF19].
Intra-Prediction [EMHF19]. **Intrinsic** [BdCRM10, SSR17]. **Introduction** [CB16, Far12, Fer12, Gra13, Sac19].
Intruders [WCF⁺¹⁶]. **Intrusion** [FMA⁺²⁰, HCXH16, LMK18, SQK⁺¹⁷, ZHZ⁺¹⁹].
iNUIT [CMK⁺¹⁶]. **Invariant** [MKKS18].
Investigating [LMK18, SMG13].
Investigation [BHM⁺¹⁹, HBMS20].
Involvement [SS14]. **IoH** [GRJ⁺¹⁹]. **IOT** [VL18b, ARC⁺¹⁹, ALDS19, AKJB20, BM20, BBGP19, CFP19, CDBF19, DGD⁺¹⁹, FOJE19, Jeo20, KAM⁺¹⁹, LWY⁺¹⁵, MKK17a, MOAI17, MKM⁺¹⁹, NPM⁺¹⁸, NPB⁺¹⁹, PPMMS19, RC18, SH20, TPD⁺²⁰, VDE⁺²⁰, YZC⁺²⁰, ZKKK19, ZGL20, dOB19]. **IoT-Oriented** [CDBF19]. **IoTs** [Lee17a, Lee17b]. **IP** [HP16, Pin10].
IP/Optical [Pin10]. **IPTV** [KKBD10].
IPv6 [HF14, IKP⁺¹³]. **Irradiance** [KLKP19]. **Irrigation** [KKEV17]. **ISA** [SU17a]. **ISA-95** [SU17a]. **Isolated** [GKG19]. **Isolation** [GGK18]. **Issue** [CB16, Far12, Fer12, Gra13, JP13, PSC19].
Issues [AS19, AIR⁺¹⁸, AAD⁺¹², GPCP12, MSFM16, VKK⁺¹⁹]. **Italian** [BM19, GSD⁺¹⁷]. **Italy** [FZ15, ZL14].
Iterative [LXY17].

J [FC19]. **Japan** [CS11]. **Japanese** [UFK⁺10]. **Jitter** [LW15]. **Join** [CFV19]. **Joint** [JLGF19, LTY18, SXXH19, SHN⁺19, YPXH19]. **Journalism** [DN20]. **JTAG** [VL18b]. **Jump** [ZYLM17]. **Junctions** [PCC⁺18]. **Jurimetrics** [CBB17]. **Just** [Alb19]. **Just-In-Time** [Alb19].

Key [CSIS19, HEP⁺11, LCMV17, MKK17b]. **Keyword** [HWZP18]. **Kim** [FC19]. **Kits** [DG18]. **Know** [KPP⁺20]. **Knowledge** [For14, ICF⁺11, KS19, PG14, PLL11, SU17c, SCM12, ZY20, ZGH13]. **KPIs** [SPSS17]. **kV** [AMZ⁺20]. **KYC** [KPP⁺20].

L [WKW18]. **L-DDoS** [WKW18]. **Lab** [ACK⁺16]. **Labeling** [OFK19]. **Laboratories** [ZJ18]. **Land** [MGUD12]. **Landscape** [PR11, SPC⁺11, SPB⁺11]. **Lane** [WZG⁺18]. **Language** [AdMTJ20, GPK⁺20, KI20, KKT20, PLYD20]. **Language-Independent** [AdMTJ20]. **LANs** [Lee18]. **L'Aquila** [ADG⁺19]. **Large** [JXA19]. **Large-Scale** [JXA19]. **Largest** [Kra20]. **Latency** [VKM⁺19, YLK⁺19]. **Latency-Based** [YLK⁺19]. **Latent** [ZY20]. **Latest** [HAL18]. **Latitude** [Mat20]. **Law** [LAG⁺18]. **Layer** [GTC19, GVC13, ORK⁺19, SKT⁺19]. **Layer-Wise** [GTC19]. **Layered** [QWR18]. **LBCS** [MGUD12]. **Lead** [RIS⁺17]. **Lead-Acid** [RIS⁺17]. **Leaks** [FKK20]. **Learner** [VI16]. **Learner-Managed** [VI16]. **Learning** [Alb19, ESB⁺20, ERBL12, FOJE19, FHXL19, FMCT09, GMGK20, HXHP17, HN18, Hua15, JXA19, KALY17, KID⁺15, LS15, LWX18, LG20, LYMG17, MAW⁺19, MKM⁺19, MP13, OOM⁺18, Pec18, QWR18, SE15, SJ12, TSZ⁺18, TFKY19, TCH18, TKT⁺18, VI16, WLL⁺19, Whe09, WCYL20, YLJ⁺19, ZKKK19, ZZSX19, ZY20, GLW⁺19]. **Learning-Based** [JXA19, MKM⁺19]. **Learning-Using** [VI16]. **Learnt** [KG18].

Legacy [YLK⁺19]. **Legal** [DN20, Fra18, HWCH12, LAG⁺18]. **Legislative** [SS14]. **Legislators** [Ves18]. **Lessons** [KG18]. **Level** [CGM⁺19, LMLW18, MMN19, SZC19, ZL19a, ZGZ⁺18]. **Leveraging** [RKT19, SSF⁺18]. **Librarie** [TG13]. **Libraries** [IP16]. **Library** [Cop14, SPB⁺11]. **License** [RPB⁺17]. **Light** [KC19, PCC⁺18]. **Light-Weight** [KC19]. **Lightweight** [ADM19a, SBS18, SFEK18, ZZ18]. **Like** [CYO⁺17, RHV17]. **Likelihood** [SJG18]. **Limitations** [CR11]. **Limited** [BZDP19, BM18]. **Limited-Resource** [BM18]. **Limits** [Ler16]. **Linda** [DGGS19]. **Linguistic** [AFAAM19]. **Linked** [RAA⁺18]. **Links** [Mat20]. **Listed** [LS15]. **Listless** [SS17]. **Lists** [DCG12]. **Literature** [AAA⁺20, BG09, CGMVdUC19, GWW18, SE15]. **Live** [AGC18, LSC⁺17]. **Livestock** [GMRRRQ⁺16]. **Living** [ACK⁺16]. **Load** [ARAAA19, BdCRM10, GW15, LW19, MKM⁺19, OT16, SHBS19, YG20, YWW⁺19]. **Load-Balanced** [BdCRM10]. **Local** [DQ18, DWZN16, DWY19b, GS12, MSR⁺14, MHK13, USS19, Yan17, ZYLM17, ZQCC16]. **Localization** [PG19, RPB⁺17]. **Location** [BHH12, DQ18, DLX⁺19, JLGF19, KH19, RSX18, VKK⁺19]. **Location-Aware** [BHH12]. **Location-Based** [KH19]. **Location-Dependent** [JLGF19]. **Locative** [Øie12]. **Locator** [LHW18, MHK13]. **Lock** [CZZH15]. **Log** [SJG18]. **Logic** [GL12, Tra18]. **Logistic** [SQK⁺17]. **Lognormal** [KP19]. **Long** [DYS15, FM20, GLW⁺19]. **long-haul** [GLW⁺19]. **Long-Range** [FM20]. **Long-Term** [DYS15]. **Longevity** [Jeo20]. **Look** [KFP10]. **Look-Ahead** [KFP10]. **Looking** [XGN19]. **Loop** [CZZH15]. **LoRaCommunication** [KKEV17]. **LoRaWAN** [BZDP19, BPG19, EABE19, MCCHO19, VC19]. **Lose** [Tsi14]. **Lot** [TCB⁺19]. **Low**

[BKL⁺19, LW15, PR11, TPD⁺20, VKM⁺19, WLHR13, WZL⁺20, YT19, YWW⁺19]. **Low-Complexity** [WZL⁺20]. **Low-Cost** [PR11, TPD⁺20]. **Low-Jitter** [LW15]. **Low-Priority** [YT19]. **Loyalty** [GLRM19]. **LSTM** [AWHF19, XGN19, ZWPL19, ZGZ⁺18]. **LSTM-CNN** [ZGZ⁺18]. **LSTM-CRF** [XGN19]. **LTE** [AMZ⁺20, DMZ⁺19, NSV17, TFKY19]. **LTE-Advanced** [NSV17].

M [FC19]. **M2M** [LBG⁺14]. **MAC** [TPD⁺20, MSK⁺18, ORK⁺19, YLH⁺17]. **Machina** [LAG⁺18]. **Machine** [AFAAM19, DeD16, DL19, GMGK20, HN18, LSC⁺17, LG20, MKM⁺19, PLYD20, QWR18, TSZ⁺18, WLCS17, ZKKK19, GLW⁺19]. **Machine-Learning** [LG20]. **Main** [MSFM16, TCG19]. **Maintaining** [TTO⁺19]. **Maintenance** [SOSR⁺16]. **Major** [MKKG19]. **Makers** [Ves18]. **Making** [Let16, MSHS16, PR12, SZC19]. **Male** [VYN19]. **Malicious** [ZCZ17]. **Malta** [FMNS11, For14]. **Malware** [KAS⁺20, Uto13]. **Managed** [VI16]. **Management** [AZ19, APB⁺16, BSEL20, BN14, CSIS19, DDPVP18, DCA16, FC19, FLRS12, GW13, Gla11, HGJA18, IP16, ICF⁺11, KTP17, KOJP13, KLZ16, KID⁺15, LYP⁺19, LCMV17, LCV⁺17, LGV13, LSM⁺12, LW15, MSC19, MKK17b, MMMH19, PPMMS19, PLA17, PCC⁺18, QMN19, RC18, RKT19, RZQS18, SOSR⁺16, SOSC⁺16, Sof19, SKT⁺19, TADS20, WLZ18, YCS17, YPMM12, YY17]. **Managing** [Han13, Lal14, SSS⁺19]. **MANETs** [MLM14, PZH⁺18, ZHZ⁺19]. **Manufacturing** [LHSS12, SU17c, WCSZ18, ZLL18]. **Map** [DHEK19]. **Mapper** [AJ18]. **Mapping** [JLGF19, KMS⁺12, LHW18, PR11, UUT⁺19, VDE⁺20]. **Maps** [AWHF19, NZZ12, PFL⁺12, SDL⁺19].

Maria [WBG12]. **Marine** [Jia19, LLBB18, Tra18, ZJX18]. **Maritime** [ML20]. **Marked** [SDL⁺19]. **Market** [DMO⁺19, MATP19]. **Marketing** [GLRM19, SPSS17, WLL⁺19]. **Marketplace** [PNM⁺20]. **Markov** [SJG18]. **Markup** [DL10]. **Mars** [BC19, WBG12]. **Masculine** [VYN19]. **Mashup** [FMCT09, HS18a]. **Mashups** [BG09, Whe09]. **Masses** [GNK⁺10]. **Massive** [WYS17, Wan17]. **Master** [ZL14]. **Masterplans** [FZ15, LZ11]. **Matching** [MEO18a, ZY20]. **Matérn** [YPG20]. **Mathematical** [KSSF19]. **Matrix** [BFVM14]. **Matter** [Mar13]. **Mature** [GLD⁺18]. **Maximization** [GHFM20, RZCL19, SNH⁺19, WZLW19]. **Maximize** [dOB19]. **MCCM** [GHFM20]. **Mean** [ARAAA19]. **Meaningful** [DGADE14]. **Measurement** [DHEK19, MBF⁺12, PXC18, YPMM12]. **Measurement-Based** [YPMM12]. **Mechanism** [ADM⁺19b, Lee17b, LWY20, LLZL19, LMPT19, SLW17, WHXL18, WCYL20, XDS⁺19, ZLXY19, ZCHG19]. **Mechanisms** [ARC⁺19, CCC19]. **Media** [Dav12, DIG20, FZ15, HC19, JP13, Jur12, MGFF14, TKH⁺11, WLL⁺19]. **Media-Related** [FZ15]. **Mediated** [DCA16, RRS20, TA15]. **Mediation** [HL19]. **Medical** [ACBP19, HRAA19]. **Medium** [AKJB20]. **Meet** [Jur12]. **Meets** [PFLT12]. **Mega** [WYL18]. **Members** [THT18]. **Memory** [DTTK19, RC18, WZLW19]. **MEMP** [ZL19b]. **Mental** [ZS18]. **Merkle** [CCC19]. **Mermaids** [MP20]. **MES** [WCSZ18]. **Mesh** [CDBF19, EW19, KLTC17]. **Message** [GKW⁺10, HC19, THT18, YCS17]. **Messages** [UDF⁺19]. **Metadata** [BGD09, Bea10, Gla11, Tas10]. **Meteorological** [MXT⁺16]. **Meter** [EHJ17]. **Method** [Alb19, AZV16, BGD09, DCHM16, DH18, DLX⁺19, GXWD19, HCHP16, HXHP17,

SOSR⁺¹⁶, hSgLH17, TCB⁺¹⁹, WLH⁺¹⁷, WZLL19, WZX20, YYW20, YKY18, YWW⁺¹⁹, ZZ18, ZYLM17, ZQCC16]. **Methodological** [GMRRRQ⁺¹⁶]. **Methodology** [DVED20, SOSR⁺¹⁶, Uto13, dCdG20]. **Methods** [CFX20, GM16, HP16, KKS⁺¹⁹, OC20, PR11, VKKA17]. **Metric** [YT18]. **Metrics** [ALDS19, HC19]. **MHBase** [MXT⁺¹⁶]. **Micro** [YYW20]. **Micro-Blog** [YYW20]. **Microblog** [HL19]. **Microblogs** [EM09, JLW19]. **Microgrid** [KAL⁺¹⁹]. **Microgrids** [TGS⁺¹⁹]. **Microsoft** [RCGSL19]. **Middleware** [HVS17]. **Middlewares** [FMCT09]. **Migration** [AGC18, KMS⁺¹², LSC⁺¹⁷, RGMFM12, TTKZ19, WZLL19]. **Military** [GPCP12, GGW18, LMPT19]. **Millimeter** [LSJ19]. **Millimeter-Wave** [LSJ19]. **MIMO** [WYS17, Wan17]. **Minercraft** [For14]. **MinHash** [HWZP18]. **MinHash-Based** [HWZP18]. **Minimizing** [Mah17]. **Minimum** [NDKBL19]. **Mining** [CTM19, LMSC19, LY19, OOM⁺¹⁸, RZCL19, SMGL19]. **Mirror** [BBGP19]. **Misbehavior** [AMF⁺¹⁰]. **Mitigate** [SS15]. **Mitigating** [GMGK20]. **Mitigation** [CS11, HK18, VL18b, YZC⁺²⁰, GLW⁺¹⁹]. **Mobile** [AAA⁺¹⁹, ALLR16, ALST20, BKSS19, BCL11, BHH12, DYS15, Far12, FWVF19, FR16, FBOC15, GL13, Gog12, GKS10, Jur12, KMW18, LBC18, MT17b, MATP19, OB13, PSC19, PH16, RSX18, RPB⁺¹⁷, SFEK18, SS15, SIJA10, TEE10, WCM19, YT18, YY17, YPZ18]. **Mobile-Sensor** [WCM19]. **Mobility** [ADG⁺¹⁹, IMR⁺¹⁸, KC19, KSE⁺²⁰, MLM14, OGR⁺²⁰, Sof19, WC17, ZZWP19]. **Mobility-Enabled** [ZZWP19]. **Mode** [DDZ18]. **Model** [AAA⁺²⁰, BBGP19, CMP⁺¹⁹, CTM19, DHEK19, DL19, ESLB20, FHXL19, GFHK⁺¹², GDCM19, GGK18, GRRZ18, HL19, HP19, KWI⁺¹⁹, KP15, KSO19, KSSF19, LWX18, LY19, MKKS18, PLYD20, PM17, TLC15, WWB⁺²⁰, WLCS17, WY19, XGN19, ZLXY19, ZGZ⁺¹⁸]. **Model-Based** [GFHK⁺¹²]. **Modeling** [DTTK19, FYWS16, GL19, GNK⁺¹⁰, LMSC19, MDT20, RSX18, YOI19]. **Modelling** [GWK17, MSH16]. **Models** [CFV19, DG13, DCB19, HD19, HAL18, OC20, Smi15, SM19, ZGH13]. **Moderated** [HL19]. **Moderating** [HCW20]. **Moderation** [HC19]. **Modern** [KKS⁺¹⁹]. **Modified** [HJA18]. **Modulation** [WLYL20]. **MongoDB** [CFV19]. **Monitoring** [LWY⁺¹⁵, LLBB18, RS17, RIS⁺¹⁷, RHV17, SSO⁺¹⁹, VGS⁺¹⁹, WL20, XSX18, ZJ18]. **Monocular** [TCH18]. **Monopole** [CLZL18, PBAAN19]. **MONs** [YPLZ19]. **Mood** [WLH⁺¹⁷]. **Moroccan** [FOJE19]. **Motion** [LMH19, OOM⁺¹⁸, ZWPL19]. **Motion-Compensated** [LMH19]. **Motives** [HS18b]. **Move** [KC19]. **Moving** [CMP⁺¹⁹]. **MU** [YLJ⁺¹⁹]. **Multi** [DDPVP18, DDZ18, KK20, LWY20, LQY⁺¹⁹, LXL⁺¹⁹, LFM⁺¹⁹, MP16, MWY19, PLYD20, RZCL19, oRL19, SOR16, SAM⁺¹⁸, TTKZ19, WL20, WX20, WZX20, XCSM18, ZZ18, ZLXY19, ZL19a, ZZWP19, ZQCC16]. **Multi-Access** [TTKZ19]. **Multi-Agent** [LFM⁺¹⁹]. **Multi-Attention** [ZLXY19, ZL19a]. **Multi-Authority** [WZX20]. **Multi-Blockchain** [KK20]. **Multi-Context** [ZZ18]. **Multi-Criteria** [DDPVP18]. **Multi-Domain** [SAM⁺¹⁸]. **Multi-Element** [WX20]. **Multi-Facial** [LQY⁺¹⁹]. **Multi-Focus** [ZQCC16]. **Multi-Hop** [LXL⁺¹⁹]. **Multi-Input** [oRL19]. **Multi-Mode** [DDZ18]. **Multi-Output** [oRL19]. **Multi-Provider** [MP16]. **Multi-Rate** [LWY20]. **Multi-Social** [RZCL19]. **Multi-Source** [PLYD20]. **Multi-Targets** [WL20]. **Multi-Thresholds** [XCSM18]. **Multi-Topology** [MWY19]. **Multi-User** [LXL⁺¹⁹, oRL19, SOR16, ZZWP19].

Multicast [CFP17, CFP19, DLK10, JWRX17, KKBD10, PSM⁺¹⁸, YC16]. **Multicell** [KTP17]. **Multidiscipline** [ZLL18]. **Multihop** [NSV17]. **Multilevel** [HT14]. **Multilingualism** [Lau15]. **Multimedia** [BCG10, HDL⁺¹⁴, WY19]. **Multimodal** [CCM⁺¹⁷]. **Multipath** [KSSF19, KLTC17, WY19]. **Multiple** [HLZ⁺¹⁸, HWZP18, RIS⁺¹⁷, SWZ18]. **Multitier** [DGKL15]. **Municipal** [FZ15, ZL14]. **Municipality** [Yan17]. **Mutual** [AdMTJ20]. **My** [MSR⁺¹⁴, UDF⁺¹⁹]. **myDIG** [KS19].

Name [Bea10, FP19]. **Name-Based** [FP19]. **Named** [ATH18, ARC⁺¹⁹, GXWD19, KST19, KH19, LMPT19]. **Nano** [MAEP18]. **Nano-Things** [MAEP18]. **Narratives** [DGGS19]. **Nationality** [Mar13]. **Natives** [GWK17]. **Natural** [ICF⁺¹¹, NPB⁺¹⁹]. **Navigation** [Ngu19, ZYLM17]. **NB** [MOAI17]. **NB-IoT** [MOAI17]. **NDN** [WZX20]. **Need** [LNG19]. **Needs** [Tag20]. **Negative** [FC19, KPC19]. **Negotiation** [WHXL18]. **Neither** [FKK20]. **NeoGeography** [For14]. **Nerve** [SWD⁺¹⁸]. **NetKAT** [PG19]. **Nets** [DCHM16]. **Network** [ATH18, BZDP19, BKSS19, Bi14, BRP⁺¹³, CMH10, DWZN16, DLX⁺¹⁹, DAMAS⁺¹⁹, EW19, ELC⁺¹⁹, FC19, FWVF19, GVC13, Han13, HLZ⁺¹⁸, HGJA18, HCHP16, HD16, HWCL17, IG10, KGKP20, KWI⁺¹⁹, KPC19, KSO19, KLTC17, KKBD10, LLW⁺¹⁷, LLZL19, LF16, LQY⁺¹⁹, LXL⁺¹⁹, MMA10, MSN13, MP16, MS16, MGV17, MBF⁺¹², NZZ12, Pap20, PPMMS19, PXC18, RS17, RD18, SMG13, SQK⁺¹⁷, SSS⁺¹⁹, Smi13, SXXH19, SYZ19, SKT⁺¹⁹, UFK⁺¹⁰, WLH⁺¹⁷, WZLW19, WSM20, WZ18, WYL18, YPXH19, YT18, YY17, YLJ⁺¹⁹, ZL19b, ZL19a, ZCHG19, Zha19, ZSF20, PPN18]. **Network-Based** [Han13, Zha19]. **Networked** [Tag20, TEE10]. **Networking** [ACM⁺¹⁹, ARC⁺¹⁹, BM14, CDBF19, FP19, Fot20, GJ15, GPCP12, KST19, KH19, MZS19, Pap20, QSF⁺¹⁷, SYB⁺¹⁸, Smi13, SM19, ZWZ19]. **Networks** [AAR⁺¹⁹, ADM^{+19b}, AIR⁺¹⁸, AMZ⁺²⁰, AMF⁺¹⁰, BdCRM10, BF18, BCG10, BKL⁺¹⁹, BRP⁺¹³, CZK⁺¹⁷, DPH17, DPH19, DMZ⁺¹⁹, DLK10, FMA⁺²⁰, FWVF19, FG17, GDARM18, GWW18, GTC19, Gro17, GSP15, HLLT10, IKP⁺¹³, KMW18, KLKP19, KTP17, KHN⁺¹¹, KC19, KTUF19, LBG⁺¹⁴, LMK18, LCW⁺¹⁸, LCMV17, LRdLS19, LN19, MCM⁺¹⁰, MG10, MEO18b, MP20, MP16, MKK17b, MWY19, MKvD11, OB13, OLCMdA20, Pin10, PSM⁺¹⁸, QAM17, RZCL19, oRL19, RSX18, SSF⁺¹⁸, SSS⁺¹⁹, SS15, SIJA10, SWD⁺¹⁸, SAZ18, SLW17, SAM⁺¹⁸, TFKY19, TL17, USS19, WCF⁺¹⁶, WCM19, WZC19, WWB⁺²⁰, WZG⁺¹⁸, XSX18, YCHG18, YKC19, YPG20, YHSW19, YW16, YLH⁺¹⁷, dOB19]. **Neural** [ATH18, DAMAS⁺¹⁹, GTC19, Han13, KWI⁺¹⁹, LLZL19, LRdLS19, PLYD20, RSX18, SWD⁺¹⁸, WZ18, dOB19]. **Neurologist** [SWD⁺¹⁸]. **Neutrality** [Cap12]. **Newly** [YKC19]. **News** [AdMTJ20, DN20, KLKA19, Oie12]. **Next** [FWVF19, HEP⁺¹¹, HLLT10, IG10, KP19, MKSV⁺¹⁹, RYY10, SAZ18, WZG⁺¹⁸]. **Next-Generation** [FWVF19, IG10, RYY10, WZG⁺¹⁸]. **NFV** [Pap20]. **NGN** [MKvD11]. **NN** [KKEV17]. **No** [DHEK19, KS19]. **No-Reference** [DHEK19]. **Node** [LCW⁺¹⁸, MMA10, MCM⁺¹⁰, VLC⁺¹⁹, WLZ18, WY19]. **Nodes** [DYS15, OT16, RZCL19, SFEK18]. **Noise** [LMLW18, TGELGH13]. **NOMA** [ASL17, WSM20]. **NOMA-Based** [WSM20]. **Non** [DWY19b, FOJE19]. **Non-Immersive** [FOJE19]. **Non-Local** [DWY19b]. **Nonlinear** [ZLS19]. **nonlinearity** [GLW⁺¹⁹]. **nor** [FKK20]. **Norm** [HD16]. **Norms** [VYN19]. **Norwegian** [VNJ18]. **NoSQL** [DCB19]. **Notifications** [LBC18].

Notion [AAD⁺12]. **Novel** [ARAAA19, LWHR14, LSC⁺17, LXY17, MKKS18, OLCMdA20, QWR18, TTKZ19, WZL⁺20, WSM20, XCSM18, YC16, ZQCC16]. **Nudge** [LGMZ19]. **Number** [Tsi14].

O [JLH⁺13]. **Object** [BCM⁺19b, SPB⁺11, Sor12, ZCHG19]. **Object-of-Interest** [Sor12]. **Objectives** [LS15, Tag20]. **Objects** [DG18, GNNZRRCRG18, MAW⁺19, MC12]. **OBS** [BdCRM10]. **Observation** [CH16, SOSK12]. **Observing** [Yan17]. **Obstacle** [GM20]. **OCARI** [MMA10]. **Occlusion** [TCH18]. **Occlusion-Aware** [TCH18]. **Occupancy** [TCB⁺19]. **Oceans** [Jia19, ML20]. **ODK** [APB⁺16]. **OFDM** [GLW⁺19]. **Off** [LMK18, SLW17]. **Offering** [FGBMG19]. **Offerings** [IPL⁺18]. **Offline** [ZLLW18]. **Offloading** [ADM⁺19b, DVED20, MATP19, QWR18]. **Offs** [GL13]. **Offset** [Lee17a]. **Old** [Roy14]. **Older** [LNB12]. **On-Demand** [DTTK19]. **On-Off** [LMK18]. **Onboard** [ML20]. **One** [SU17b, YPLZ19]. **Ongoing** [AS19]. **Online** [AIR⁺18, BLW⁺17, CS11, DWY⁺19a, Gar12, HCW20, ISG20, ICF⁺11, LS15, LY19, SPB⁺11, Sor12, VKKA17, WT13, Yan19, ZS18]. **Ontological** [KPCS13]. **Ontological-Relational** [KPCS13]. **Ontologies** [BYS⁺15, Lau15]. **Ontology** [CP10, GSO⁺10, LZ11, LLJ16, MGUD12, SU17c, SOB⁺19, SZC19, ZL14]. **Ontology-Based** [CP10, LLJ16, SU17c, SOB⁺19]. **Open** [Ciu19, CGMVdUC19, HPC12, KS14, Li18, MZS19, NB12, PFL⁺12, Roy14, Sca14, VCB14, VDE⁺20]. **OpenFlow** [BM14]. **OpenGov** [SS14]. **Opening** [BN14]. **OpenStreetMap** [MC12, NZZ12, NZ14, PM17, SSR17]. **Operation** [FAT19, FHS⁺10, KSE⁺20, SBS18, TGS⁺19]. **Operational** [LCMV17]. **Operations**

[CFV19, GL19, KP15]. **Opinion** [MGFF14, YKC19]. **Opportunistic** [KTUF19, Lee17b, LCW⁺18, TL19, UDF⁺19, YY17]. **Opportunities** [AMAJ12, BOKC19, CWF13, KG18, Rot12, Roy14, TA15, ZR15]. **Optical** [AAR⁺19, AD20, DDZ18, Gro17, KLKP19, LLBB18, Pin10, TCH18, GLW⁺19]. **Optical-Acoustic** [LLBB18]. **Optimal** [LYP⁺19, SXXH19, SWZ18, YC16, ZY15]. **Optimally** [Han13]. **Optimisation** [Gro17]. **Optimization** [AGC18, DYS15, DLX⁺19, GW15, LTY18, LKIL19, LZS18, LW19, SYB⁺18, SCA⁺19, SKT⁺19, SWGL19, TGS⁺19, TGELGH13, Tra18, VG20, YPXH19, YWW⁺19, ZWZ19]. **Optimized** [BCM⁺19b]. **Optimizing** [FHXL19]. **Optimum** [AAR⁺19]. **Orbit** [Mat20]. **Orchestration** [ARC⁺19, LHSS12]. **Organisation** [Tag20]. **Organizational** [YOI19]. **Organize** [SU17a]. **Oriented** [CDBF19, KPP⁺20, LW11, MP16, TKH⁺11]. **Other** [Ler16]. **Outcome** [FC19, KPC19]. **Output** [oRL19, Smi15, Uto13]. **Over-The-Air** [VLC⁺19]. **Overlay** [GKS10]. **Overview** [AP19, BGW16, SM19, SEB⁺19, YMJ20]. **Owners** [ZSF20].

P4 [MMM19, MMMH19]. **P4-ABC** [MMM19]. **PACER** [KAS⁺20]. **Packet** [Bi14, BKL⁺19]. **Pages** [DH18]. **Pakistan** [APB⁺16]. **Pallor** [RHV17]. **Paradigm** [PPMMS19, Rot12]. **Paralysis** [SWD⁺18]. **Parameters** [DYS15]. **Parcel** [SH20]. **Park** [FC19]. **Parking** [KK20, TCB⁺19]. **Parliament** [DBD⁺14]. **Participation** [DCA16, Gar12, GSD⁺17, Smi13, Yan19, YPZ18, ZS18, Zha19]. **Participatory** [Hua15]. **Particle** [Tra18]. **Partitioning** [ADM⁺19b, dOB19]. **Passenger** [SWZ18, VGS⁺19]. **Passive** [YLH⁺17]. **Path** [GM20, ZYLM17]. **Patient** [HBMS20, MKM⁺19, NB12, Tri14].

Patient-Centric [Tri14]. **Pattern** [FLRS12, GMH18]. **Pattern-Based** [FLRS12, GMH18]. **Patterns** [BHM⁺19, DVED20, FAB⁺12, KVST19]. **Peaks** [ZQCC16]. **Pedagogical** [LS15]. **Pedestrian** [PCC⁺18, SYZ19]. **Peer** [GKS10, HWCH12]. **Peer-to-Peer** [GKS10]. **Penetration** [CMW18]. **People** [CWF13, FR16, GN16, LNB12, Söd13]. **Perception** [CCM⁺17, GM16, GSD⁺17, HL19]. **Percolation** [BBMR19]. **Performance** [AZV16, GKK⁺19, IBBA20, KP19, KKS⁺19, KHRG19, KAS⁺20, LLBB18, MGV17, MBF⁺12, OLCMdA20, PXC18, RRP17, WWB⁺20, YCS17]. **Period** [ZSZ18]. **Permissioned** [HP19]. **Personal** [Cop14, FOJE19, FMCT09, GM19, LRdLS19]. **Personalised** [SWY⁺18]. **Personality** [CPI⁺18, YYW20]. **Personalized** [KS19, TKH⁺11, WYX18]. **Perspective** [CDBF19, JII17, MDT20, SSO⁺19, SAZ18, ZS18]. **Perspectives** [BCM⁺19a, CMH10, Mar13, PSC19, VNJ18]. **Perturbations** [RD18]. **Pervasive** [ALLR16]. **Petri** [DCHM16]. **PhD** [Giu18a]. **Phones** [BCL11, MT17b]. **Phubbing** [GDCM19]. **Physical** [GW13, GVC13, HBFJ20, LH19, QWR18, TKT⁺18]. **Physically** [OOM⁺18]. **Pico** [YPXH19]. **Pico-Base-Station** [YPXH19]. **Pillars** [Pil18]. **Pitfalls** [AS19, NDKBL19]. **PKI** [TADS20]. **Placement** [LKIL19, ZWZ19]. **Plan4all** [FMNS11]. **Plane** [EW19, GGK18]. **Planes** [VRA⁺18]. **Planning** [DGADE14, GM20, KAL⁺19, MGUD12, PG14, PFL⁺12, Rot12, SPC⁺11, SPB⁺11, YKY18, ZYLM17]. **Plans** [ZL14]. **Plate** [RPB⁺17]. **Platform** [ACBP19, ALLR16, DCHM16, GRJ⁺19, GMMI16, KAS⁺20, LGMZ19, Li18, LG20, MKSV⁺19, RPB⁺17, SSO⁺19, SS14, Tri14, VdHH⁺19, VDE⁺20, ZLL18]. **Platforms** [DVED20, FGBMG19, MKvD11, MKSV⁺19, XQLZ19, ZGH13, dCdG20, LAG⁺18]. **Plausible** [GL12]. **Play** [LXY17]. **Player** [BHH12, OOM⁺18]. **Playful** [LYMG17]. **Plug** [LXY17]. **Plug-and-Play** [LXY17]. **Point** [Mar17, SH20, ZYLM17]. **Polarity** [YKC19]. **Policies** [CS11, DGKL15, HWCH12]. **Policy** [Let16, TPD⁺20, Ves18, YPMM12]. **Policy-Driven** [YPMM12]. **Policy-Makers** [Ves18]. **Polish** [OC20]. **Politeness** [LLR19]. **Political** [ZVV12, Zaf12]. **Polymediation** [Hor19]. **Pooling** [YCHG18]. **Popularity** [UDF⁺19]. **Populated** [OFK19]. **Population** [Gla11]. **Port** [HVS17]. **Portal** [NB12, Tas10]. **PORTAL-DOORS** [Tas10]. **Portals** [Sor12]. **Portuguese** [AdMTJ20]. **Pose** [TCH18]. **Position** [SOR16]. **Positioning** [CZZH15, DWZN16]. **Positive** [LNB12]. **Possession** [YJSL18]. **Possible** [OB13]. **Post-Compensation** [AD20]. **Potential** [GNK⁺10]. **Power** [DMZ⁺19, HGJA18, JWRX17, SMG13, SXXH19, SNH⁺19, WYS17, WLZ18, YPXH19, YG20]. **Powered** [RPB⁺17, SNH⁺19, WLZ18]. **Powerful** [MKKS18, NPB12]. **Practical** [FOJE19, Gro17, OB13, TL19]. **Practice** [GS11, KS14, NS12]. **Practices** [DN20, IPL⁺18, KLKA19, KTUF19, NDKBL19, Zaf12]. **Practitioners** [ACBP19]. **Pre** [AD20, Lee17a]. **Pre-Distortion** [Lee17a]. **Pre/Post** [AD20]. **Pre/Post-Compensation** [AD20]. **Precision** [KKS⁺19]. **Pre-coded** [GVC13]. **Predict** [GNK⁺10, LCW⁺18]. **Predicting** [AA19a, BS17]. **Prediction** [Alb19, DAMAS⁺19, EMHF19, KTS18, LMH19, MKM⁺19, SJ20, WX20, ZWPL19, ZZ19]. **Prediction-Based** [LMH19]. **Predictive** [Smi15, WLZ18, YCS17]. **Prefix** [SYB⁺18]. **Preliminary** [KP15]. **Preparedness** [For14]. **Presence** [RK19]. **Present** [MSIP20]. **Preservation** [Cop14, YJSL18]. **Preserving** [CFV19, DQ18, VFFHF19].

Preventing [DL19, MT17a, WLCS17]. **Prevention** [ACBP19]. **Price** [WHXL18]. **Prices** [CMP⁺19]. **Pricing** [JLGF19]. **Principles** [DCG12]. **Printed** [CLZL18]. **Priorities** [oRL19]. **Prioritisation** [Tag20]. **Priority** [CL16, YT19]. **Priors** [LXY17]. **Privacy** [AIR⁺18, DQ18, DGKL15, FKK20, FC19, Fri13, GJ15, GM16, GSD⁺17, HXHP17, HBFJ20, HBMS20, KMW18, KPP⁺20, KPC19, MKKG19, PPN18, PH16, SG12, Sca14, Ves18, VKK⁺19, VFFHF19, YJSL18, ZR15]. **Privacy-Oriented** [KPP⁺20]. **Privacy-Preserving** [VFFHF19]. **Private** [DMZ⁺19, MT17b]. **Proactive** [LW11, SSF⁺18]. **Probabilistic** [ZLL18]. **Problem** [GDLG18, SU17b]. **Problem-Solving** [GDLG18]. **Problems** [Lal14, VI16]. **Process** [ER10, FMNS11, Tra18, WCSZ18, YPG20]. **Processes** [APB⁺16, LHSS12, PE13, Pil18, PR12, ZLL18]. **Processing** [RAA⁺18, SSR17, VdHH⁺19]. **Procurement** [DWY⁺19a]. **Producer** [KC19]. **Products** [CMP⁺19, HSM19, NDKBL19]. **Products-Empirical** [HSM19]. **Professionals** [Nil12]. **Profile** [LCW⁺18]. **Profiles** [OOM⁺18]. **Profiling** [ZGH13]. **Prognosis** [SCM12]. **Program** [APB⁺16]. **Programming** [CZY17, DH18, KS19]. **Programs** [AS19, GL12]. **Programs-Pitfalls** [AS19]. **Project** [CGM⁺19, FMNS11]. **Projects** [OC20, PR11]. **Promote** [ALST20]. **Pronunciation** [KI20]. **Proof** [GKG19, ZLLW18]. **Proof-of-Concept** [GKG19]. **Proposed** [KKEV17]. **Prosumerism** [PE13]. **Protection** [AMZ⁺20, HXHP17, HWCH12, ZWWW17]. **Protocol** [AKJB20, EABE19, GMS⁺20, HLZ⁺18, HS18a, HF14, HJA18, KMS⁺12, KKEV17, KC19, MSK⁺18, OLCMdA20, RRP17, SCA⁺19, SS15, WCM19, YT19, YT15, YW16, YLH⁺17, ZLLW18].

Protocols [AK18, BM14, GKW⁺10, Jal19, KTUF19, ORK⁺19, SBS18]. **Prototype** [AS15, LSM⁺12, Tri14, WBG12]. **Provable** [YJSL18]. **Provide** [ALST20]. **Provided** [LS15]. **Provider** [MP16]. **Providing** [CH16]. **Provisioning** [BdCRM10, ELC⁺19, KOJP13, MG10, YC16]. **Proximate** [KKBD10]. **Psychological** [VGS⁺19]. **Psychometrics** [WLH⁺17]. **Public** [CS11, Cop14, FAT19, Gar12, HEP⁺11, SS14, VKKA17]. **Publication** [GM19]. **Publishing** [ACAP20, Fra18, LCS12, PR11]. **Punishment** [Mar13]. **Purchase** [HSM19]. **Push** [LBC18, SM19]. **Push-Based** [SM19]. **Pyramid** [YCHG18].

QGIS [SSR17]. **QoE** [EMHF19, BS17, DTTK19]. **QoS** [AZ19, BdCRM10, BS17, BCG10, CL16, DLK10, GL13, KOJP13, KC19, MG10, Pin10, UFK⁺10, YC16, YPMM12]. **Qualitative** [NB12]. **Qualities** [ALDS19]. **Quality** [ASL17, CMH10, CR11, DHEK19, EMHF19, GKK⁺19, KTS18, KZ20, PZH⁺18, PDMK19, SYB⁺18, SMG13, SSR17, hSg LH17, TKT⁺18, YT18, Zha19]. **Quantitative** [LS15]. **Quantization** [WLYL20]. **Query** [HN18, MXT⁺16, XY18]. **Questions** [LS15]. **Queue** [RZQS18]. **Queues** [CL16].

R [WKW18, YLJ⁺19]. **R-CNN** [YLJ⁺19]. **Racial** [WT13]. **Rack** [CZY17]. **Radio** [AMF⁺10, CZK⁺17, FM20, SKT⁺19, WWYQ19, ZSZ18]. **Raising** [PR12]. **Random** [Han13]. **Range** [FM20]. **Rank** [ZVKK19]. **Ranking** [RCGSL19]. **Rapid** [GPCP12]. **Rare** [TADS20]. **Rate** [LWY20, LMLW18, LMH19, QWR18, RRP17, WZG⁺18, dOB19]. **Rating** [FPT20]. **Ratio** [KLTC17, SJG18]. **Rational** [QAM17]. **Rationality** [LYP⁺19]. **Raw** [DGADE14]. **RDF** [VRA⁺18]. **RDTIDS** [FMA⁺20]. **Re** [HCW20, MAW⁺19].

Re-examining [HCW20]. **Re-Use** [MAW⁺19]. **Reachability** [MLM14]. **Readability** [MG12]. **Reader** [JLZ18]. **Reader/Router** [JLZ18]. **Readiness** [ESB⁺20]. **Reading** [Øie12]. **Real** [AMCI17, For14, GSP15, IMR⁺18, ISG20, LCS12, LBC18, MXT⁺16, MMF⁺19, NPM⁺18, OO19, RIS⁺17, VGS⁺19]. **Real-Time** [AMCI17, IMR⁺18, MXT⁺16, RIS⁺17, VGS⁺19]. **Real-to-Virtual** [For14]. **Real-World** [GSP15, NPM⁺18, OO19]. **Realistic** [MGV17]. **Reality** [Ant12, KTS18]. **Reasoning** [DCHM16, DGGS19, GL12, HCHP16, LLJ16, SU17c]. **Receiver** [AAR⁺19, YT15]. **Receiver-Triggered** [YT15]. **Recipe** [GDLG18]. **Recognition** [ATH18, AWHF19, GXWD19, HYLP19, LMPT19, MKKS18, RPB⁺17, SOA⁺20, SYZ19, SDL⁺19, USS19, XGN19, YCHG18, ZL19b, ZZSX19]. **Recognition-Based** [USS19]. **Recommendation** [GAGB19, LPM10, WYX18, XY18, XDS⁺19, ZSF20]. **Recommendations** [TL17]. **Recommender** [SOB⁺19]. **Reconfigurable** [IBBA20, WWYQ19]. **Recovering** [BLW⁺17]. **Recovery** [DDZ18, ZS18]. **Recruiters** [VNJ18]. **Recruitment** [VKKA17]. **Recurrent** [ATH18, SJ20]. **Reduce** [SOSR⁺16]. **Reducing** [ELC⁺19, OT16, SAF14]. **Redundancy** [Fio10]. **Reference** [BML19, DHEK19]. **Referral** [ZY15]. **Reflective** [VI16, Whe09]. **Reframing** [KG18]. **Regards** [SOSC⁺16]. **Regions** [NZZ13]. **Registers** [Gla11]. **Regression** [SQK⁺17, YWW⁺19]. **Regulation** [BFFZ⁺12, LGMZ19]. **Rehabilitation** [MMS⁺19, SCM12]. **Reinforcement** [FHXL19, KALY17, QWR18, TFKY19, TKT⁺18, WZLW19, ZY20]. **Related** [FZ15, FGBMG19, YMJ20, ZL14]. **Relation** [DGADE14]. **Relational** [KPCS13]. **Relations** [PM17]. **Relationship** [CPI⁺18, HT14, Mar13]. **Relationships** [TL17]. **Relay** [CFP17, DYS15, SJG18, SXXH19, SNH⁺19]. **Relaying** [KFP10, SJG18, SXXH19]. **Relevance** [RCGSL19, XY18]. **Relevant** [CDBF19]. **Reliability** [DCHM16, FAB⁺12]. **Reliable** [CFP19, Lee17a, NSV17]. **Remote** [Ciu19, LWY⁺15]. **Removal** [Fio10]. **Renewable** [KAL⁺19]. **Repetition** [LMLW18]. **Replacement** [LNA17]. **Replicas** [LZS18]. **Report** [MT17a]. **Reporting** [KAS⁺20]. **Repositories** [WKPC18]. **Repository** [KPCS13]. **Representation** [LLJ16, SU17c, SCM12]. **Representational** [DGADE14]. **Reproducing** [Söd13]. **Reputation** [CPI⁺18, DPBG18, KST19, LGMZ19, TLC15]. **Reputation-Based** [KST19]. **Request** [JLGF19, LNA17]. **Requests** [VL18a]. **Requirement** [ZZ19]. **Requirements** [AZ19, CPM⁺19, LCMV17]. **Rescue** [KVST19, SZC19]. **Research** [CEZC19, GPCP12, GW13, HPC12, NZ14, Ngu19, OC20, SOSR⁺16, SEB⁺19, TSZ⁺18, WZLL19, Yan19, ZZY19]. **Resolution** [LHW18]. **Resource** [AJ18, BSEL20, BM18, HWCL17, ICF⁺11, JWRX17, KALY17, KSSF19, KLZ16, LHSS12, SIJA10, SHN⁺19, UFK⁺10, WSM20, YPMM12]. **Resource-Efficient** [LHSS12]. **Resources** [ELC⁺19, ICF⁺11, KAL⁺19, TCG19]. **Response** [Cro19, PFL⁺12]. **Responses** [CS11, HC19]. **Responsive** [SWZ18, SWY⁺18]. **REST** [HS18a, LNG19]. **REST-Security** [LNG19]. **RESTful** [KMS⁺12]. **Results** [BRP⁺13]. **Retrieving** [Uto13]. **Review** [AK18, AAA⁺20, BG09, DIG20, ER10, GDARM18, GGW18, HP16, HAL18, KGKP20, LGV13, SE15, ZKKK19]. **Reviewers** [Fut20, Off14, Off15, Off16, Off17, Off18, Off19]. **Reviewing** [AS19]. **Revisiting** [IBBA20]. **Revocable** [WZX20]. **Revolution** [Jur12]. **Revolutionize** [LQFI17]. **Reward** [ZY15]. **RF** [XZ19].

RFID

[HJA18, JLZ18, PPMMS19, PBAAN19, SBS18, SOA⁺20, WCSZ18, ZLLW18].

RFID-WSN [JLZ18]. **Rights** [Tsi14].

Rikki [Tsi14]. **Risk** [AAA⁺20, BPG19, FC19, GDCM19, MSC19, PLA17, PR12].

Risk-Based [AAA⁺20]. **Risks**

[HBFJ20, PS16, Rot12]. **Risky**

[JLW19, SAF14]. **RLXSS** [FHXL19]. **Road**

[ADG⁺19, LLW⁺17, USS19, YT19]. **Robin**

[SIJA10]. **Robogames** [OOM⁺18]. **Robot**

[PS17, SU17a, SZC19, TTO⁺19]. **Robotic**

[TEE10]. **Robotics**

[CCM⁺17, DG18, KG18, SU17b].

Robotics-Case-Study [SU17b]. **Robots**

[CYO⁺17, KG18, LYMG17]. **Robust**

[SS17, YHSW19, ZWZ17]. **Robustness**

[HCXH16]. **Rogue** [AA19a]. **Role**

[DTTK19, FC19, GSD⁺17, HCW20, KPC19,

SWGL19, TG13]. **Role-Mining** [SWGL19].

Roll [ZWPL19]. **Rosenbrock** [LSJ19].

Rotation [LWHR14, SBS18]. **Rotational**

[Tra18]. **Round** [SIJA10]. **Route**

[OT16, YT18]. **Router** [JLZ18]. **Routers**

[YLK⁺19]. **Routes** [OT16]. **Routines**

[NS12]. **Routing** [BdCRM10, Bi14, ELC⁺19,

Goe12, KLTC17, LCW⁺18, LXL⁺19, LW15,

MMA10, MWY19, MLM14, OT16, PZH⁺18,

VL18a, WCM19, WY19, YC16, YW16].

Routing-Delivery [LCW⁺18]. **RPL**

[WC17]. **RSS** [SOA⁺20]. **Rule**

[KKT20, Let16, YPMM12]. **Rule-Based**

[KKT20]. **Rules** [FMA⁺20]. **Rural**

[Hel15, Hua15, RS17]. **Russian** [Ant12].

S [FC19, WZG⁺18]. **SAES** [Sac19]. **Safe**

[ML20]. **Safety** [FAT19, HT14, HYL13,

KKG20, ML20, UANU20]. **Same** [LLW⁺17].

Sample [BM19, LRdLS19, VYN19].

Sampling [JHL⁺18, LXY17, YWW⁺19].

Santa [WBG12]. **Sardinia** [FZ15, ZL14].

Satellite

[CFP19, HLZ⁺18, KLKP19, VLC⁺19].

Satisfaction [SWZ18, ZS18]. **Saving**

[Lee17b, LYP⁺19]. **Savings** [CPM17].

Sayonara [CYO⁺17]. **SCADA** [TSZ⁺18].

Scalable [PNM⁺20]. **Scale**

[GMRRRQ⁺16, JXA19]. **Scales** [DIG20].

Scan [APB⁺16]. **Scanning** [HVS17].

Scenario [SZC19]. **Scenarios** [AMF⁺10,

MGV17, MSH16, SYZ19, SEB⁺19, WC17].

Scheduler [AGC18]. **Scheduling**

[ARAAA19, AD18, KAL⁺19, LW19,

MMA10, oRL19, SU17b, SIJA10, SZFC18,

TGS⁺19, WHXL18, XQLZ19, YCS17].

Scheme [AJ18, ADM19a, AZ19, CGLR19,

CCC19, HK18, LCW⁺18, LN19, MXT⁺16,

Mah17, PZH⁺18, QMN19, SJG18, SXXH19,

WSM20, XSX18, YY17, YPLZ19, ZWZ17].

Scholar [RCGSL19]. **Science** [BBMR19,

BOKC19, Let16, LAG⁺18, YMJ20].

Scientific [AD18, EM09, ER10, WBG12].

Scientists [Ves18]. **SciFlow** [ER10].

SCMC [Mah17]. **Scopus** [RCGSL19].

Scores [FPT20]. **SDMw** [HVS17]. **SDN**

[Pap20, HK18, MWY19, PG19, SHBS19,

SZFC18, WKW18, YHSW19]. **SDN-Based**

[MWY19, YHSW19]. **SDNs** [YLK⁺19].

Search [CP10, FPT20, HWZP18, KVST19,

KH10, SOR16, SZC19, VG20, XJ10,

ZYLM17, ZVKK19, KH10]. **Searching**

[XJ10]. **Secondary** [HT14]. **Secret**

[BLU⁺15]. **Sectional** [BM19]. **Sector**

[SS14]. **Secure** [ADM19a, GPCP12,

GMS⁺20, HVS17, KHN⁺11, Lee18, MT17b,

PZH⁺18, RC18, SS15]. **Security**

[AS19, AIR⁺18, AS15, BPG19, CMH10,

DGD⁺19, ESLB20, FAB⁺12, FYWS16,

FSG⁺16, FP19, GWK17, GKS10, HF14,

IHOW16, KMW18, LZL⁺17, LNG19,

MSFM16, PS16, PPN18, RYY10,

RGFMF12, SBS18, SOSR⁺16, SOSC⁺16,

SAF14, SWGL19, SAM⁺18, VFFHF19,

YHSW19, YOI19, YZC⁺20, ZR15]. **Seed**

[RZCL19]. **Segment** [ELC⁺19].

Segmentation [YLJ⁺19]. **Select** [Cop14].

Selected [NZZ13]. **Selection** [CZK⁺17,

CFP17, CFX20, EMHF19, GL13, PDTM15,

SJG18, SQK⁺¹⁷, SXXH19, ZZWP19].

Selective [Fio10]. **Self** [DYS15, KOJP13, LMPT19, Sac19, SU17a, WLL⁺¹⁹, XCSM18, YW16]. **Self-Adapting** [Sac19]. **Self-Adaptive** [XCSM18, YW16]. **Self-Attention** [LMPT19]. **Self-Media** [WLL⁺¹⁹]. **Self-Optimization** [DYS15]. **Self-Organize** [SU17a]. **Self-Provisioning** [KOJP13]. **Semantic** [ALLR16, FPT20, GNNZRCRG18, HWCH12, HG12, LCS12, PFLT12, PA13, PNM⁺²⁰, RDD⁺¹⁴, SOSK12, SJ20, VRA⁺¹⁸, WZ18, ZGH13, BFFZ⁺¹², DBD⁺¹⁴, Fra18, PFLT12]. **Semantic-Based** [ALLR16]. **Semantic-Driven** [RDD⁺¹⁴]. **Semantically** [KMS⁺¹²]. **Semi** [GSO⁺¹⁰, TTO⁺¹⁹, ZJX18]. **Semi-Automatic** [GSO⁺¹⁰]. **Semi-Autonomous** [TTO⁺¹⁹]. **Semi-TCF** [ZJX18]. **Sending** [HYL13]. **Senior** [ACK⁺¹⁶]. **Sense** [GSD⁺¹⁷, OY19, TTO⁺¹⁹]. **Sensemaking** [GPCP12, VI16]. **Sensing** [HGJA18, Hel15, Øie12, WWYQ19, XZ19, ZCZ17]. **Sensor** [BF18, CH16, CMH10, CFX20, MMA10, MCM⁺¹⁰, MP13, SLW17, WCF⁺¹⁶, WCM19, WLZ18, XSX18, YW16, YLH⁺¹⁷, ZLS19]. **Sensorial** [BKSS19]. **Sensors** [TEE10]. **Sentiment** [JLW19, LLZL19, PPN18, YYW20, ZL19a, ZZ19]. **Sentimental** [JXA19]. **SEO** [GKK⁺¹⁹, KLKA19]. **Separation** [SWGL19]. **Separation-of-Duty** [SWGL19]. **Sequence** [ARAAA19]. **Series** [KLKP19, WX20]. **Server** [PXC18, ZZWP19]. **Servers** [HWZP18]. **Service** [ARC⁺¹⁹, AAD⁺¹², ASL17, BB17, CL16, CH16, CMH10, Ciu19, DCHM16, ESLB20, GL13, GMMI16, GKG18, GKG19, IKP⁺¹³, KTS18, KMS⁺¹², KG18, KKT20, LBG⁺¹⁴, LW11, MP16, MMN19, MKvD11, MKSV⁺¹⁹, NSV17, NPM⁺¹⁸, PDTM15, PZH⁺¹⁸, PNM⁺²⁰, SYB⁺¹⁸, SMG13, SGDT19, SWY⁺¹⁸, TKH⁺¹¹, UB18, VFFHF19, WWB⁺²⁰].

Service-Oriented [LW11, MP16]. **Services** [CHH⁺¹⁶, CFP19, CR11, DTTK19, FC19, Fer12, FAB⁺¹², FGBMG19, Fra18, KMS⁺¹², KPC19, LW11, MKSV⁺¹⁹, PSM⁺¹⁸, SIZD12, SWZ18, Tri14, WZLL19, Yan17, YKC19, ZKV12, ZZWP19]. **Serving** [LG20]. **Set** [ACAP20, GM19, Mah17, ZHZ⁺¹⁹]. **Set-Valued** [ACAP20, GM19]. **Sets** [HCXH16]. **Settings** [AAR⁺¹⁹, BLW⁺¹⁷, BM18]. **Setup** [KP15, SOR16]. **Shadowing** [KP19]. **Shapelet** [KVST19]. **Shared** [YJSL18]. **Shares** [BLU⁺¹⁵]. **Sharing** [AGC18, CGLR19, FM16, FMNS11, HWCL17, ZAV14]. **Shift** [ARAAA19]. **Ship** [Ngu19, ZZSX19]. **Shop** [SU17b]. **Short** [FR15]. **Should** [MGFF14, PdRB19]. **Side** [PXC18]. **Sidecar** [BCM^{+19b}]. **Sidelink** [BCM^{+19a}]. **SIEM** [KPCS13]. **Signal** [LLW⁺¹⁷]. **Signals** [DAMAS⁺¹⁹]. **Signature** [FR15]. **Signatures** [DMO⁺¹⁹]. **Silence** [ZSZ18]. **Similarity** [DH18, OY19]. **Simple** [AK19, Gro17, KWI⁺¹⁹]. **Simplifying** [ER10]. **Simulated** [JHL⁺¹⁸]. **Simulating** [BSEL20, GDLG18, SEB⁺¹⁹]. **Simulation** [KHRG19, MDT20]. **Simulation-Based** [KHRG19]. **Simulators** [ALDS19]. **Single** [DDZ18]. **Single-Mode** [DDZ18]. **Sites** [Smi13]. **Situ** [GRRZ18]. **Situational** [LCV⁺¹⁷]. **Situations** [LLR19, UANU20]. **Size** [EMHF19]. **Slum** [PR11]. **Slum-Upgrading** [PR11]. **Small** [GMRRRQ⁺¹⁶]. **Small-Scale** [GMRRRQ⁺¹⁶]. **Smart** [ARC⁺¹⁹, BZDP19, BFVM14, DAMAS⁺¹⁹, EHJ17, FM16, GAGB19, GLD⁺¹⁸, Giu18b, GNNZRCRG18, HXHP17, IMR⁺¹⁸, KAM⁺¹⁹, KPP⁺²⁰, KCK⁺¹⁹, KK20, KAL⁺¹⁹, LNB12, LMSC19, Let16, Mal20, MAW⁺¹⁹, Mar17, McK20, OGR⁺²⁰, PPGC16, PCC⁺¹⁸, PSC19, PPN18, RHV17, SSO⁺¹⁹, SNKG20, SZC19, TL19, WZL⁺²⁰, ZKKK19, ZLS19]. **Smarter** [Mal20]. **Smartness** [McK20]. **Smartphone** [BRP⁺¹³, UDF⁺¹⁹]. **Smartphone-Based**

[BRP⁺13]. **SMEs** [SOSC⁺16]. **Snack** [KWI⁺19]. **SNS** [THT18]. **SOAP** [KMS⁺12]. **Social** [AS19, AIR⁺18, ACK⁺16, BOKC19, CFP17, CCM⁺17, Dav12, DIG20, FC19, Far12, FZ15, FBOC15, GJ15, GPCP12, Gog12, HT14, HCW20, Jur12, KG18, KPC19, Let16, MP20, MMH16, MS16, MGFF14, MOAI17, PFLT12, RZCL19, RDD⁺14, SK19, Smi13, THT18, TL17, TKT⁺18, Ves18, VKK⁺19, VCB14, WLH⁺17, WZC19, WZLW19, YKC19, YPLZ19, Zha19, ZSF20, CB16]. **Social-** [RDD⁺14]. **Social-Aware** [CFP17]. **Socialism** [HW16]. **Socially** [PS17]. **Societal** [MZ19]. **Societies** [Let16]. **Society** [ACK⁺16, Tsi14]. **Soft** [CFX20]. **Software** [AA19b, AAA⁺19, BM14, EW19, GGW18, LXL⁺19, MZS19, MP16, Pap20, RKY20, SKT⁺19, SAM⁺18]. **Software-Defined** [BM14, LXL⁺19, MZS19, MP16, SAM⁺18]. **Softwarized** [RS17]. **SOLIOT** [BM20]. **Solution** [SU17b, VI16]. **Solutions** [GPCP12, KSE⁺20]. **Solver** [Yan19]. **Solving** [GDLG18]. **Some** [BZDP19]. **Source** [Li18, PLYD20, PFL⁺12, ZZY19]. **Sourced** [Lal14]. **Sourcing** [NPB12]. **Space** [Lee18, MWY19, Whe09]. **Spaces** [LMSC19, Whe09]. **Spacing** [AAR⁺19]. **Spammers** [AA19a]. **Spanish** [AdMTJ20, Hor19]. **SPARQL** [RAA⁺18]. **Sparse** [SQK⁺17]. **Spatial** [DQ18, FMNS11, LMH19, PG14, SS14, WX20, YCHG18, ZWZ17]. **Spatial-Temporal** [WX20]. **Spatio** [EvdMB20]. **Spatio-Temporal** [EvdMB20]. **Special** [CB16, Far12, Fer12, Gra13, LMK18, PSC19]. **Specialists** [JP13]. **Species** [GNK⁺10]. **Specific** [GPCP12, KS19, LY19, MSN13]. **Specifications** [MUS11]. **Spectrum** [CZK⁺17, FM16, Wan17, WWYQ19, ZCZ17]. **Speed** [DWY19b, GAGB19, KKS⁺19, Tra18].

Sphere [PE13]. **Spherical** [Mat20]. **SPIHT** [SS17]. **Spillover** [RZQS18]. **Split** [MHK13]. **Spots** [ALST20]. **Spreading** [HD19]. **Stack** [JLH⁺13]. **Stacking** [WLL⁺19]. **Stacking-Based** [WLL⁺19]. **Staging** [CYO⁺17]. **Stalking** [GJ15]. **Standard** [SWD⁺18]. **Standardization** [HAL18]. **Standards** [FAB⁺12, dCdG20]. **Star** [SOB⁺19]. **State** [CCM⁺17, DeD16, SJG18]. **States** [WLH⁺17]. **Static** [BdCRM10, GSP15]. **Station** [YPXH19]. **Stations** [BZDP19]. **Statistical** [CMW18, Smi15]. **Statistics** [SJ12]. **Status** [SCM12]. **Stay** [PdRB19]. **Stealth** [HCXH16]. **Steganalysis** [WLYL20]. **Steganography** [WYL18, WCYL20, WLYL20]. **StegNet** [WYL18]. **Steps** [For14, LCS12]. **Stereotypes** [Söd13]. **Stickiness** [HL19]. **Stochastic** [ZQCC16]. **Stopovers** [ALST20]. **Stops** [KAM⁺19]. **Storage** [LZS18, MMN19, YJSL18]. **Store** [KFP10]. **Store-Carry** [KFP10]. **Storms** [DGD⁺19]. **Storytelling** [BHH12]. **Strategic** [FZ15, LZ11]. **Strategies** [AK19, BdCRM10, BM19, KFP10, MP20, RRP17, XJ10]. **Strategy** [FAT19, GW15, LZS18, LYP⁺19, SIZD12, TTKZ19, XCSM18, ZWZ19, ZZY19]. **Stream** [GL12, LQY⁺19, VdHH⁺19]. **Streaming** [LNA17, VdHH⁺19]. **Streams** [Pec18]. **Street** [MSR⁺14, NZZ12]. **Stress** [FC19, KPC19, VGS⁺19]. **Stress-Outcome** [FC19, KPC19]. **Stressor** [FC19, KPC19]. **Stroke** [NS12]. **Structure** [Jeo20, KK20, OKH13, TCG19, ZY20]. **Structured** [HS18a, VI16]. **Structures** [GKW⁺10, Sac19]. **Structuring** [BML19]. **Student** [SSOÁ⁺16]. **Students** [BM19, FOJE19, Giu18a, HT14]. **Studies** [ERBL12, HDK⁺12, MMH16, SLY⁺12, Uto13, YMJ20]. **Study** [ARC⁺19, BM19, CFV19, FZ15, FGBMG19, Gar12, GLRM19, GMMI16, HSM19, Hua15,

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