A Complete Bibliography of Publications in *Future Internet*

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**Title word cross-reference**

3 [DOB21], κ [TH21], μ [TH21], n × n [TDT+21], t [ZH21].

- Aware [EMHF19]. - Based [ELCS20].

10 [AMZ+20]. 11 [FC19]. 1800 [DMZ+19]. 19 [ABSG21, BCT21, CBRS21, CYC+21, Del21, ESB+20, FFVP21, HGF21, Kra20, MPG20, RRLT20, RFSoHMSB21, SG21a, TC21, YHN21, dCMA21]. 1st [RFSoHMSB21].


4.0 [BPLB+21, CEZC19, DTL+21, DPR+21, LeI19, LBBP+21, Pill18]. 40 [WZG+18]. 4G [AMZ+20].

5G [BCM+19a, CFP19, CGM+19, GMS+20, HAL18, JLG19, KLKP19, KSE+20, LQFI17, LTW21, LCV+17, MMF+19, MGV17, MOAI17, MCH+20, PSM+18, SAM+18, VLC+19, WWB+20, YHSW19]. 5G-Enabled [GMS+20]. 5G-V2X [MCH+20]. 5G/Satellite [CFP19].

5GCAR [CGM+19]. 5th [HUM+21].
61499 [DSM21]. 6G
[AAL+21, AAAAM+21, BTS+21, SAL21].

7R [KS14].

802.11 [MK+18]. 802.16e [SIJA10].

95 [SU17a].

ABC [MMMH19]. Abdominal
[ANAAM21]. ABE [WZX20]. Above
[JDH21]. Above-the-Fold [JDH21]. Abuse
[VYN19]. Abysmal [KRY19]. Academic
[GKK+19, HT14, PCROB21, UFK+10,
VCGOMC+21, YLPW21, RCGSL19].
Accelerating [CBM+20, YHG+21].
Accent
[VLC+19]. Acceptance
[AMAA+21, KA21,
KLTC17, SRM20, SIZD12, TN20, ZY20a].
Access
[AAA+20, AKJB20, BZDP19, CWF13,
DCG12, DL19, GDARM18, GM16, GRRZ18,
HLZ+18, LWY20, MG10, MAW+19, MGV17,
QSF+17, SXX20, TTKZ19, TKH+11,
WZG+18, WLCS17, WXZ20].
Accountability [RBSMRN21]. Accounting
[ZS18]. Accounts
[AZV16, ZAV14].
Accuracy
[ZSF20]. Accurate
[DAMAS+19]. Achieve
[GLRM19, SIJA10].
Acid
[RIS+17]. Acknowledgement
[Fut20, Off14, Off15, Off16, Off17, Off18, Off19].
Acknowledgment
[Fut21]. Acoustic
[LLBB18]. Acquisition
[PG14]. across
[BSEL20, HWZF18, HWCH12, SZFC18].
Action
[AWHF19, MKKS18, PDMK19,
SORS+16, SS14, YCHG18].
Action-Research
[SORS+16]. Actions
[GLRM19, RK19]. Activation
[SDL+19].
Active
[LHW18, LL20c]. Activities
[CFG20, CEZC19, FOJE19]. Activity
[CTM19, FM20a, KKL+20, LSM+12,
MMA10, MMMH19, PHG+20, PHGZ20,
SOA+20, Zaf12]. Activity-Based
[MMMH19]. Actuating
[ZLS19]. Ad
[BRP+13, CGT21, DLK10, FR16, KH19,
SS15, YT18]. Ad-Hoc
[KH19]. Adapted
[OLCMda20, SIZD12]. Adapter
[KMS+12].
Adapting
[Sac19, WKF+21]. Adaptive
[AAR+19, AD20, AS15, AMZ+20, HGJA18,
HF20, HXHP17, KALY17, LSZ21, SU17a,
SCA+19, SLW17, USS19, VFFHF19,
WCM19, XCSM18, XY21, YW16, YPMM12,
ZSZ18]. Adaptively
[WKW18]. Added
[HLLT10]. Adders
[FG17]. Addiction
[DGR20, RNFS20]. Addictions
[RRS20]. Addition
[RK19]. Additional
[ALT20]. Addressing
[PA13, VKK+19]. Adolescent
[ISG20, SRMJ21]. Adopt
[MSC19].
Adoption
[AA20, LFGR20, PR12,
RHHN21, VLMP21, Yan17, ZKV12]. Ads
[PD21]. Adult
[BBM20]. Adults
[HS18b, VYN19]. Advanced
[KGKP20, MAW+19, NSV17, PGSL20].
Advances
[Fe12, HAL18, KTUF19, Mal20, SHC18].
Advancing
[PLL11]. Adversarial
[FHXL19, RD18, VR21]. Advert
[MT17a]. Advertisements
[MT17b]. Advertising
[ZY20a]. Aerial
[LS21]. Affairs
[KP15]. Affect
[BCT21]. Affected
[TC21].
Affecting
[GN16, VLMP21, Yan19]. Affective
[SAF14]. Affiliations
[VKK+19]. African
[GS11, Sni13]. after
[KHAA21, MPG20]. Again
[DGGS19]. Against
[FHXL19, CYC+21, ESB+20].
Ageing
[ACK+16]. Agency
[TTO+19]. Agenda
[HPC12]. Agent
[CTM19, DPR+21, DSM21, HD19, KK21,
LFM+19, MMS+19, ZZY19]. Agent-Based
[DSM21, HD19]. Agent-Oriented
[DPR+21]. Agglomerative
[BOB+20]. Agglutinative
[PLYD20]. Aggregated
[KZ20]. Agile
[IP+18, MUS11, SU17c, UB18]. Aging
[LNB12]. Agreement
[MNN19]. Agribusiness
d[SRDdOT21]. Agricultural
[CH16]. Agriculture
[CGRV20, JGV+21, TL19]. Ahead
[KFP10]. AI
[ZLW21, CDD+21, ELCS20, Pic21,
Approaches [Ala20, GHA21, GZC21, GKS10, KGKP20, KST19, LGV13, MHSH16, SE15].

Appropriate [ZL14].

Approximate [MPG20, QSF17].

Apps [AP21, CKK21, RRLT20, TPKA20].

ARAAC [QAM17].

Arabic [AA19a, ATH18, AAC21, AFAAM19, GMA20].

Architecting [AA19b, DSM21].

Architectural [BM14, Dun21, MZS19, PR11, Tas10].

Architecture [AAA19, ACM19, BCFP21, CGM19, EABE19, FWVF19, GANT21, HEP11, KGR11, KPP12, LBG14, LW11, LZL17, LFM19, PPKS21, PPR12, Pec18, PFC14, RC18, RDD14, RAA18, SG12, Sem11, SNKG20, TKH11, YHSW19, ZTB20].

Architectures [BML19, CBM20, CFP21, ELC20, FP19, GKS10, GRA20, SU17a].

Architectures-Overlay-Based [GKS10].

Archives [DBD14, HDL14].

Archiving [RDD14].

ARCOMEM [PCF14, RDD14].

Area [DWZN16, OAG21, SYGY21, YT15].

Areas [HD19, Hel15, OTE16, OFK19, US19, VLBMP21].

ARIBC [GK21].

ARIMA [CMP19].

Arising [BTS21].

Array [LWHR14, US19, WLHR13].

Arrival [CZZH15].

Art [KSA21].

Articles [KLKA19, TZE21].

Artificial [CL19, DN20, DAMAS19, ELCS20, Khr20, Min20, MGLBMMSC20, SG19, VCGOMC21].

Aspect [ZL19a, ZGZ18].

Aspects [GPMO20, LJC21, SE15, Tri14].

Aspirations [HT14].

Assembling [LL20a].

Assess [CS11, GDCM19, HBFJ20, RRLT20].

Assessing [AZV16, DN20, KAL19, RABC21, SSR17, SG21a, VCB14, ZKV12, TN20].

Assessment [CCM17, DHO21, FZ15, GL21, KHA21, KKK20, KZ20, KID15, LZ11, MFB12, NE21, PMGG21, Pet20, SW20, TWM20, TMT20, TA15, ZL14].

Assessments [PKCF21].

Assets [SOSC16].

Assignment [KSSF19, YLK19].

Assist [VKM19].

Assistant [VCGOMC21].

Assisted [NE21, SXXW20].

Assistive [PS17].

Association [LYT18].

Assurance [AAD12].

Astronaut [WBG12].

AT-Text [LL20a].

Atoms [Ju12].

Attachment [Hua15].

Attack [DSMM21, DL19, HSC19, KDD20, LBC21, MAVS20, SJ20, WX20, WZ18, WCYL20, XDS19, YLP21, ZLXY19, ZL19a, ZGZ18].

Attentional [SW21a].

Attitude [LL20b, SG21b].

Attitudes [HRKL21].

Attraction [GLRM19].

Attribute [SYZ19, SX20].

Attribute-Based [SX20].

Attributes [PDTM15, VKK19].

Audio [Hor19, ITH21, Lal14].

Audio-Visual [Hor19, ITH21, Lal14].

Augmentation [VR21, WWLZ21].

Augmented [Ant12, BS17, Jur12].

Australian [ERBL12].

Austrian [ESB20].

Authentication [ADM19a, Alb21, ADS20, CCC19, GMS20, RSX18, SBS18].

Authentication-Based [GMS20].

Author [BHH12].

Authority [WZX20].

Authorizations [SWGL19].

Authorship
[ADAB21, WYL18]. **Capital**
[AP21, PKCF21, Smi13]. **Capsicum**
[AMR+21]. **Capsule**
[KYS21]. **Capsule-Based**
[KYS21]. **Captioning**
[LH21a]. **Car**
[CKK21, HZW+20, ZYLM17].
**Car-Following**
[HZW+20]. **Car**

[ACBP19, HMR+21, MGFF14]. **Career**
[VNJ18]. **Carlo**
[PPM21]. **Carrier**
[Lee17a].
**Carry**
[FOJE19, KFF10]. **Cars**

[AKGG19, Gog12]. **Cascade**
[CFOJE19, KFP10]. **Cascade**
[FOJE19, KFP10]. **Cascade**

[AD20, IAG+21]. **Cascaded**
[TH21]. **Case**
[AP21, CR21, ERBL12, FZ15, FMNS11, Gar12, dPCGM20, GMMI16, HKF+12, 
Hua15, JHC+20, KP19, KTP17, KFP10, OB13, OFK19, SSF+18, SHC18, SXXW20, 
WSM20, YPPH19, YPG20, YK21].
**Cellular-V2X**
[BCM+20]. **CEMR**
[GMWD19]. **Center**
[LZL+21, QAM17].
**Centered**
[SIZD12]. **Centerline**
[DOB21].
**Centers**
[AAJ18, AGC18, SFC18].
**Central**
[CMS21]. **Centralized**
[ZCZ17]. **Centric**
[ACM+19, FP19, Fof20, KC19, LSH21, LH21b, RY10, SYB+18, SM19, SNSZ21, 
Tri14, WZ21].
**Certificateless**
[YJSL18].
**CF**
[MKK17a].
**CFO**
[SLS20].
**Chain**
[RKT19, YO19, Ynu2a, Ynu2b].
**Chaining**
[GGK18, MP16].
**Chains**
[GGK19].
**Challenge**
[IP16, LMK18].
**Challenge-Based**
[LMK18].
**Challenges**
[AMAJ12, AAM+21, BFL+20, BOKC19, 
CBRS21, CCA+20, CB17, DZ18, GZC21, 
IZK+20, KSA+21, KSE+20, KTUF19, Lai14, 
LAG+18, LGFR20, MZS19, MSIP20, SAZ18, 
SEB+19, TPJ21, TMTMB20, Ves18, ZR15].
**Championship**
[CR21].
**Change**
[CS11, CFGD20, EM09, MMH16].
**Changed**
[Den12].
**Changing**
[JP13, Pet20, SYGY21].
**Channel**
[AMR19, DSM21].
**Channels**
[KKBD10, TH21, ZSZ18].
**Characteristics**
[AAAAM+21, BM19, 
CGMVdUC19, MC12, VKKA17, ZVV12].
**Characterization**
[HOPGR21, RMLAZOC21].
**Chatbot**
[MV20].
**Checking**
[BFFZ+12].
**Checks**
[JLW19].
**Chemists**
[KH10].
**Chevy**
[VR21].
**Children**
[HP20, NB12].
**Choreography**
[ADG+19].
**Choreography-Based**
[ADG+19].
**Chronological**
[ESB+20].
**Chunks**
[YL21].
**Churn**
[AC21].
**CIAA**
[TPKA20].
**CIAA-RepDroid**
[TPKA20].
**Cinematic**
[LL20c].
**Circular**
[WZ18].
**Citation**
[RCGSL19].
**Citie**
[BMS20].
**Cities**
[BZDF19, BFVM14, GHA+21, 
Mal20, McK20, GGR+20, SFC19, 
SNK20, TWM20, WZL+20].
**Citizen**
[DCA20, JP13, MT20].
**Citizens**
[Gar12, GGR+20].
**Citizenship**
[Mar17].
**City**
[KAM+19, LZ11, LMY21, MMF+19, 
SSO+19, ADG+19, Rot12].
**Civic**
[AGN19].
**CKMI**
[CS19].
**CLASS**
[GSL20a, SDL+19, YSEK20].
**Classification**
[BPLB+21, BG09, BCMP21, 
CGnCD20, CT20, ITH+21, KVST19, KAS+20, LWX18, 
LLZ19, LBBP+21, MM21, PHG+20, 
SYB+18, SWD+18, YYW20, YZZ+20, 
YLP21, ZLY19, ZGZ+18].
**Classification-Based**
[ITH+21].
**Classifier**
[KDD+21].
**Classifiers**
[MAM20, RPB+17].
**Classifiers-Based**
[RPB+17].
**Classifying**
[HP21].
**Classmates**
[ISG20].
**Classroom**
[PLS14, hSg1H17].
**Clean**
[Fri13].
**Climate**
[CS11, CH16, SYL+12].
**Clock**
[DDZ18]. Closing [AMZ+20]. Cloud
[AJ18, ADM+19b, AMAJ12, AAA+19, AGC18, AD18, BSEL20, BB17, BCM+19b, CBRs21, DGD+19, DCHM16, DVED20, Dua21, ELC+19, ELCS20, FLRS12, FYWS16, FBOC15, GW15, GL21, GDARM18, GMH18, GMMI16, HWZP18, HWCH12, HOM16, JII17, KLZ16, LKL19, LZS18, LFGR20, MSC19, MMN19, MSIP20, NLPV12, PPKS19, PNR+20, QAM17, RGMFM12, SOR16, VFFHF19, WCSZ18, YCS17, YJSL18]. Cloud-Based
[CBRS21, GL21, PNM+20]. Cloud-Edge
[DVED20], Cloud-Native [Dua21], Cloud-to-Thing [BSEL20]. Clouds
[DGD+19, XCM18]. Clubs [TGC19].
Cluster [Jeo20]. Clustered [KKEV17].
Clustering
[ARAAA19, BOB+20, CCK+21, CTG21, FAT19, YW16, YWW+19, ZQC16].
Clusters [VLPR20], CM [PLA17], CMOS
[KPP+20b], CMRS [PLA17], CMS [LG20].
CNN [AWHF19, CT20, GMA20, SJ21, YLJ+19, ZLXY19, ZWPL19, ZGZ+18].
CNN-LSTM [GMA20]. CNNs [DSMM12].
Co [FHS+10, KKG20, KOJP13].
Co-Channel [KOJP13]. Co-Engineering
[KKG20], Co-Operation [FHS+10], Cobot
[SU17b, SU17c]. Code [YLJ+19]. Codec
[WLYL20]. Codes [PTM20]. Coding
[BKL+19, CCK+21, EMHF19, GVC13, LW15, MTA+20, ZQCC16]. Coding-Aware
[LW15]. Coexistence [SRM12].
Cognition [FHS+10, KI20]. Cognitive
[AMF+10, AKJB20, Bi14, CZK+17, FM16, KLC17, Ler16, Min20, Pri10, RRS20, SAL21, WWYQ19, ZCZ17, ZSZ18].
Coherent
[AAR+19, AD20, DDZ18, GLW+19]. Coin
[IPL+18]. Coined [YKB19]. CoKnowEMe
[AAL+21]. Collaborates [OY19].
Collaboration [MSR+14, Ni12, RMB+12].
Collaborative [AK19, ADG+19, CBRs21, ERBL12, FGBMG19, GDLG18, GCCY20, HK18, LMK18, PFL+12, Rot12, SYGY21, SGD19, Tag20, Weo09, YLL21, YPLZ19].
Collecting [HP21]. Collection
[APB+16, IMR+18]. Collections
[CFV19, Cop14]. Collective
[ISG20, KPP+20b, MS20, OC20, OC20, SAL21].
College [Gao21, hSGLH17]. Collision
[HJA18]. Collisions [YK21]. Collocation
[Bea10]. Colluding [TH21]. Colombia
[FSG+16, MFO+20]. Colony
[GW15, LW19]. Color [GB20, MCM+10].
Color-Avoiding [GB20]. Color-Favored
[GB20]. Colored [CHM16]. Coloring
[MCM+10]. Combat [CBRS21].
Combinational [YY17]. Combined
[LMPT19]. Combining
[CMP+19, HYL19, LS15, MGBG21, SU17a, TZE+21, Weo9, ZLY19]. Come
[DGD+19, JDH21]. Comfort [ZGL20].
Comment [KLKA19, FC19]. Comments
[LY19]. Commerce
[CMP+19, Kh20, TLC15, WXY18].
Common [NDBL19]. Commonly
[JG+21]. Communication
[AK18, ADM19a, Alb21, AF21, AMZ+20, BCNS20, BF18, BCM+19b, BBK+20, FM16, FHS+10, GPMO20, HAL18, HS20, Ja19, KALY17, LH19, LSJ19, LA20, NMH+21, OFK19, PLA+21, RRS20, SGR+13, SSS+19, SM19, SXXW20, THT18, WY19, YT19, YT18, YK21, ZZY19].
Communication-Historical [GPMO20].
Communications [ASL17, AP19, CFP17, CFP19, HYL13, KFP10, Lec18, MCH+20, PSC19, PSM+18, SHC18, SHN+19, WSM20].
Community [BLW+17, Cop14, GSD+17, Hua15, LN19, NZZ313, PZC21, WZC19, ZVV12, Zha19, ZGH13].
Community-Driven [ZGH13]. CoMP
[ENT21]. CoMP-Enabled [ENT21].
Compact [CLZL18]. Company [SLS20].
Comparative
[GRA21, Ja19, KK21, MF20, RCGS19]. Comparing
[KKTK21]. Comparison
[AS19, CPP+20, DGD+19, DSM13, FSG+16, GW13, HBFJ20, Kos16, LH19, Lee20, LGV13, MKHR21, OCCB20, PGSL20, SKI+19, SYLL21, TKT+18, VYN19, WLH+17, YO19, dCdg20].
Cyber-Physical
[CPP+20, DSM13, GW13, LH19, MKHR21, OCCB20, PGSL20, TKT+18].
Cyberstalking [BM19, BM20]. Cyst [IKS+21].

D [DOB21]. D-UNet [DOB21]. D2D
[ASL17, HWCL17, HAL18, MOAI17, PSM+18, SSF+18, SHC18, SHN+19, Wan17, WSM20]. D2D-Enhanced [MOAI17].

Daily [CFG20]. Dairy
[CNC+21, VLMP21, VLBMRP21]. Damage
[BZP+21, KHAA21]. Dashboard
[VI16, dCMA21]. Dashboards [SmI15].

Data
[AJ18, APB+16, AGC18, ARCh19, ACAP20, BM20, BMS20, BBGP19, BC19, BHM+19, CMO+21, CBRS21, CMP+19, CFV19, CCK+21, CGLR19, CH16, CGMVdUC19, CL19, DGADE14, DHGH+20, DVED20, EJH17, EvMB20, Fio10, FMNS11, GSL20a, GPMQ20, GL21, GM16, GBM+21, GM19, GRHZ18, GMS+20, HCXH16, HS18a, HWZP18, HBM+21, HN18, HWCH12, JX19, Jee19, JP20, KST19, KS14, KSW21, KPCS13, KH19, LG20, LTT21, LZL+21, LF+19, MXT+16, MMH16, MS16, MT20, MSR+14, MATP19, MSFM16, MKHR12, MP13, NZZ13, Pec18, PST+21, PYC21, Pil18, PHG+20, PHGZ20, PPM21, PR20, Por21, PH16, PM17, PMN+20, QMN19, QAM17, RAA+18, Roy14, SSR17, SLSK21, SH21, SOR16, SAZ18, SZFC8, TG13, TC21, TZE+21, UDF+19, VPC20, VR21, Ves18, VCB14, WLL+19, WWLZ21, WKF+21, WC20, YJS18, YL21, YSEK20]. Data
[YWW+19, Z21]. Data-Driven
[Ob18, WKF+21]. Data-Enabled
[MM16]. Data-Intensive [CMO+21].

Database
[ARM20, EvdMB20, GM19, KHA21]. Databases [DGAE14, DCB19, FK21].

Datacenters [CZV17, IBB20]. Dataset
[BGD09, HP21, MVA20, VKA17].

Datasets [BS17]. Dating
[VYN19]. Day
[HCXH16]. dBFT [CCA+20]. DCT [SS17].

DeDoS
[HK18, HP16, WKW18].

De-Clustering [CCK+21].

De-Identification [LTTS21]. Deadline
[AD18, XQLZ19]. Deadlines [oRL19].

Debate
[VLPR20, OC20]. Decentralized
[ACA+21, BM20, CKB+17, KPP+20a, MT17a, SCA+19]. Decentralizing
[CTN+21, Yiu21a]. Deception
[ITZ20, RFSOIB21]. Decision
[ARM20, BM18, CRR20, DCPG21, FMA+20, LLL21, MMH16, PR12, SJ21, SW20, SCL19, YKC19].

Decision-Making
[MM16]. Decisions
[AK19]. Declarative
[OTR+20]. Decoding
[MTA+20]. Decoding-Complexity
[MTA+20]. Decoupled
[MOE18a].

Decoupling
[DMO+19, LWY20].

Decoupling-Based
[LWY20]. Deducing
[EHJ17].

Deep
[Alb19, BCM21, CBM21, CASN21, FM20a, GRA21, HBM+21, JX19, LWW18, LLLZL19, PLL20, PHG+20, RRT20, RPB+17, RKS+21, SJ21, SWD+18, TLK+20, VR21, WYL18, YJL+19, ZL20, ZSXY19, ZXWZ21].

DeepDiver
[RK20]. Deepfake
[KYS21].

Deeply
[RK20]. Defeating
[HVS17].

Defect
[Alb19, ZZ+21]. Defence
[LG13].

Defend
[FHXL19]. Defenses
[BB17].
Defensive [PH20]. Deferred [KH19].
Deficit [SIA10]. Defined [AA21, BCFP21, BM14, EW19, GGW18, IZK+20, LXL+19, MZS19, MP16, Pmp20, SKT+19, SAM+18, TRC+21, VL20].
Definitions [BFL20]. Degradation [SMVP21]. 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, Khr20, KAL+19, SWZ18, SWY+18]. Demand-Responsive [SWZ18, SWY+18].
Denial-of-Service [BB17]. Denied [FKK20]. Dense [LTY18, LWY20, LL20a, MGV17].
Deployments [ADAB21, BOK+21]. Depressive [BBM20]. Depth [DHEK19, RKY20, TCH18]. Description [GL12]. Descriptive [SSS21]. Design [ALDS19, BM14, CSIS19, CFP+21, Cia19, CFLX20, DL10, HDK+12, Hua15, JLZ18, KG18, KPCS13, LHW20, Let16, LL20c, LN19, LYMG17, MZS19, MV20, MHH16, MBAS20, NPB+19, PR11, RIS+17, Sen11, STG+20, SH20, SZID12, SWZ18, SWY+18, Tag20, Tri14, WYL+21, YXL+21].
Design-Two [HDK+12]. Designing [AA21, CHI+16, KID+15, RS17].
Destination [OT16]. Detect [KDD+21, LMLW18, WKW18]. Detecting [RD18, SFEK18]. Detection [AdMTJ20, AA21, BZP+21, BCNS20, BOB+20, BMP21, CPTRS20, DYL+21, FHXL19, FMA+20, GMA20, GMM16, GKW+10, HCHX16, HP16, HN18, HBMS20, ITZ20, JP21, KVST19, KYS21, LMK18, LL20a, LQY+19, LRDLS19, LN19, MCM+10, MAVS20, MSN13, MFO+20, MSP21, MF20, PZC21, RPB+17, SSF+18, SQK+17, SGDT19, TLK+20, TLM+20, VPCE20, VKKA17, VSEH+21, WCF+16, WLL+19, WWLZ21, XSY18, XY21, YZC+20, ZHZ+19, ZZ18, ZCHG19, ZZSX19, MGFF14].
Development [ACA+21, ESB+20, FLRS12, GS12, HPC12, LKY+15, MBAS20, MS16, MGB1M20, NZZ13, PLL11, RIS+17, SSOA+16, STG+20, SS14, SLSK21, ST20, THT18].
Developments [NZ14]. Device [ADM19a, ADAB21, CFP17, JWRX17, KTP17, KALY17, NSV17, SXXW20, ZLS19]. Device-to-Device [ADM19a, CFP17, JWRX17, KALY17, NSV17, SXXW20].

E-Commerce [CMP+19, Khr20, TLC15, WYX18]. E-Customer [KA21]. E-Democracy [Rot12]. E-Government
[JII17, Yan17, AZV16, DGKL15, GS12, VLM821, ZKV12, ZAV14]. **E-Health**
[Nil12, RHHN21, AMAJ12, SIZD12].

**E-Learning** [ESB+20, PLA+21, JGV+21].

**E-Mail** [SG21b].

**E-Marketplace** [MBAS20]. **E-Training** [ACBP19]. **EAOA** [GM20].

**Early** [GMMI16, HP16]. **Earth** [BC19, Kra20].

**Earthquake** [PF+212].

**Ease** [BFFZ+21, KMS+12]. **East** [JAS21].

**EASY** [LSM+12, DSMM21].

**Eavesdroppers** [TH21]. **Eavesdropping** [HS20].

**Ebooks** [SC20].

**ECG** [Ciu19].

**ECHO** [KP15].

**Ecological** [ACK+16].

**Economic** [KAL16].

**Ecosystem** [DGHH+20, FSG+16, Fri13, Li18].

**Ecosystemic** [Gui18b].

**Ecosystems** [FYWS16, HPC12]. **EDAS** [AS15].

**Edge** [AAL+21, AAMA+21, ALDS19, BCM+19b, CPN+19, DSMM21, DVED20, DHEK19, DVL21, IG10, LKIL19, MATP19, PPKS21, SGL220, SER+19, TTKZ19, VKM+19, VLM+19, YPZ18, ZZWP19].

**Edited** [MC12]. **Editor** [DeD16].

**Educate** [SAI14].

**Education** [BBK+20, DeD21, ERBL12, LL20c, Mar17, RMLAZOP21, TPJ21, UW21, ZLW21, BPLB+21, LBBP+21].

**Education-Case** [ERBL12].

**Educational** [MGLBMMSC20, OMFTFL21, SRM21, TA15].

**EEG** [BCMPW21].

**Effect** [DTT19, HC19, HA18, HJ18, LL21, OCB18, WZ19, ZS18].

**Effective** [AK19, PDT15].

**Effectiveness** [EBC+19, KID+15].

**Effects** [BHH12, DPBG18, ESB+20, GL19, LLZ21, LTV21, PDL21, PDM19].

**Efficiency** [HRAA19, SK1+19, SN1+19, Wan17, YPG20].

**Efficient** [AK19, CBM+20, CFP19, ENT21, JWRX17, KFP10, KSSF19, LL20a, LCW+18, LXL+19, LHSS12, MA10, Mah17, PZH+18, RRP17, SGL220, SOR16, TH20, WYS17, XZ19, YP1H19, YLM+17, ZBN21].

**Effort** [Alb19].

**Effort-Aware** [Alb19]. **eHealth** [HP19, IKP+13]. **Elastic** [AD18, VdHH+19, YCS17]. **ElasticSearch** [BSE+21].

**Elderly** [FR16, HMR+21, LA20, PS17].

**eLearning** [SC20, SMI15].

**Electric** [YKY18].

**Electrocardiogram** [Ciu19].

**Electroencephalography** [HYLP19].

**Electromyography** [DAMAS+19].

**Electronic** [BBK+20].

**Electronics** [AS15].

**Element** [BBK+20, WX20, XZ21].

**Elgamal** [ADM19a].

**Eliminating** [DCG12, SOD+19].

**Elliptic** [ADM19a].

**Elliptic-Elgamal-Based** [ADM19a].

**Elusive** [VI16].

**Embedded** [BU19, SS17].

**Emotions** [SO+19].

**Emote** [DG18].

**Emoticon** [YKC19].

**Emotion** [HYLP19, LY19, RSG21, SGMMR21].

**Emotional** [CCM+17].

**Empirically** [BCH17].

**Empowerment** [FBOC15].

**EmuCD** [CSL+20].

**Enabling** [BBK+20, ENT21, GMS+20, Lee17a, Lee17b, MH16, SG12, TWS+21, TH20, TZE+21, YI21b, ZZWP19].

**Enabling** [FS16, GDAR18, HG12, KG19, PP1K20, PPS21, PSM+18, POK20].

**Enclaves** [WYL+21].

**Encrypted** [KGM19, HWZP18, SOR16, UTO13].

**Encryption** [FQ21, KR19].

**End** [BD10, HS18a, MS16, NP+19].

**End-To-End** [NP+19, BD10].

**[14]**
End-User [MS16]. Energy
[AGC18, CFP19, EHJ17, ENT21, GL13, GM20, HRAA19, HAL18, JWRX17, KAL+19, KFP10, Lec17b, LXL+20, LYP+19, LXL+19, MAA10, Mah17, OO19, PPGC16, RPHJ11, SXH19, SNH+19, TH20, WLHR13, WYS17, Wan17, WZL+20, YPXH19, YPG20, YG20, YLH+17, YXL+21, ZWZ19].
Engagement [ACBP19, Gar12]. Engaging [BR21].
Engine [DSM21, KH10, MDM21, Tra18, VG20]. Engineering [AS19, CPRS20, CPP+20, DL10, KKG20, RRP17, SK19, SSX20, UB18, ZLL18].
English [AdMTJ20, Gao21, GMA20, GPK+20, LL20b, hSgLH17]. EngraveChain [SW21b].
Enhance [Hua15, HYL19, KMS+12, PLSF14]. Enlargements [CPI+18, CFGD20, DGKL15, DPBG18, FMCT09, FM20a, GSD+17, GCCY20, HXHP17, HOPGRV21, HS20, OMTFFL21, PCROB21, RGMFM12, SKT+19, VFS+19, YO19]. ENO [TZE+21]. 
Epidemic [ESB+20, HD19]. Epidemics [LZC21].
Episodes [ML20]. Equipment [KI19, NZU20]. Era [BCM+19a, DGD+19, Yan17].
ERMOCTAVE [MSC19]. Error [WX20].
Escape [WLCS17, FAT19]. ESTA [SS15].
Estimates [ALST20]. Estimating [MN21].
Estimation [DWY19b, KKL+20, KW+19, KK21, LWHR14, LLJ16, VPCE20, WLHR13].
Estimations [Cop14]. Ethereum [PTM20].
Ethernet [MM21]. Ethernet-Based [MM21]. Ethical [VI16]. EU [GPK+20].
Europe [TCG19]. European [CR21, FNMS11]. EV [WHXL18].
Evacuation [DG13, FAT19]. Evacuees [Bi14]. Evaluate [GMRRQ+16, dCdG20].
Evaluating [BSE+21, CEZC19, KTUF19].
Evaluation [ABSG21, AAL+21, AS15, BS17, BCG10, DHEK19, HCXH16, KP19, KAS+20, MV20, MKDG20, MGBG21, MHH19, OAG21, SSOA+16, hSgLH17, Tom21, VR21].
Event [AS15, MFO+20, PCROB21, RAA+18, SJ20, VdhHH+19, WZ18]. Event-Driven [AS15].
Events [BCT21, PFL+12, TADS20].
Everything [MAEP18, SNKG20].
Evidence [HCHP16, ISG20, Lal14, PDI21].
Evolution [DYS15, Giu18b, HD16, Let16, MP20, MKvD11, NZZ12, PFdRGG21, VSEH+21, ZZ19].
Evolutionary [SAL21].
Evolving [MUS11]. Ex [LAG+18].
Examination [Roy14]. Examine [HT14].
Examining [GS11, HWCH20]. Example [GL19, TPJ21, ZLW21]. Excellence [GKK+19].
Exchange [CGLR19, HWCH12, Jee20, TRC+21].
Excision [IKS+21]. Exclusion [PE13, WT13]. Execution [CMO+21].
Exhibitors [VNJ18]. Expectation [LNA17]. Expectations [PGSL20].
Experience
[AIPV21, EMHF19, FC19, Gao21, HE20, HCW20, KTS18, KPC19, MGBG21, PBB20, PDMK19, PLA+21, SS14, TKT+18].
Experiences [Oie12]. Experiential [Dav12]. Experiment [HZW21, TL19].
Experimental [BRP+13, FGBMG19, MM21, OAG21, PHGZ20]. Experimenting [LGMZ19]. Expert
[Pet20, PKCF21, SSO+16]. Expertise [ZGH13]. Exploiting [CMO+21, GKW+10, HDL+14, KKBZ10, NSV17, VL18b].
Exploration [VRA+18]. Explorative [GDCM19]. Exploratory [Sac19, SSM20].
Explore [RRLT20]. Exploring [AMR+21, BHH12, GPK+20, HGF21, McK20, PM17, Tre21]. Exposed [FKK20].
Exposing [TG13]. Expressions [HYLP19].
Extended [BLW+17, HZW+20].
Extensible [PG19]. Extension
[MK17a, SSR17, LSM+12]. Extensive [TEE10]. External [JGV+21]. Extraction
[DOB21, ITH+21, WZ18]. Extraneous [HP20]. Exuberance [PFdRGG21]. Eye
[PD12].
Fabric [LLHW20, LLW21]. Fabric-Based [LLW21]. Face
[Gan12, GRA18, RSX18, ZS18].
Face-to-Face [Gar12]. Facebook [GM16].
FaceMashup [MS16]. Faceted [AMR+21].
Facial
[HYLP19, LQY+19, RSG21, SWD+18].
Facilitating [LSM+12]. Facilitation
[GCGY20]. Factor [ADS20]. Factors
[DTL+21, GN16, RHHN21, VLMP21, Yan19, ZVKK19].
Factual [SSS21]. FaDe
[CGLR19]. Fading [TH21]. Failure
[GMM16, OCCB20, PG19]. Failures
[SW21a]. Fair
[CGLR19, HWCL17, KSSF19, MSK+18]. Fairness
[CFGD20, DPBG18, LWY20, SIJ10]. Fairs
[VNJ18]. Fairway [Ngu19]. Fake
[AdMTJ20, AGN21, HP21, LFC21, SSS21].
Fallacy [DGGS19]. Farm
[CNC+21, LSM+12]. Farmers [VLMP21].
Farming [VLCG21]. Farms
[GMR+16]. Fast
[AMZ+20, EMHF19, NSV17, TDT+21, ZZ18].
Fatigue [LQY+19, RSG21]. Fault
[CAS+20, DSM21, RK19, WZL+20].
Fault-Tolerance [RK19]. Favor [GB20].
FC [GSL20a]. FDMA [YXL+21].
Feasibility [PS17]. Feature
[AWHF19, CPRS20, ITH+21, LQY+19, SQQ+17, STK21, TCB+19, ZWWW17, ZZ18, ZLXY19, ZCHG19, ZZY+21].
Feature-Based [TCB+19, ZWWW17]. Features
[AdMTJ20, AFAAM19, LPM10, MKS18, MSN13, RRT20, WZ18, XY21, YPZ18].
Fed [Giu18b]. Federated
[DDV18, FQ21, ZWWW21]. Feed [ZY20a].
Feedback [SAF14, TA15, WYY18, YK21].
Feeder [SWZ18, SWY+18]. Felix [PG19].
Femtocells [HGJ18, KOJP13]. FHIF
[SSI20]. Fi
[BCM+19a, Le17a, Le17b, MN21]. Fiber
[MG10, GLW+19]. fiber-induced
[GLW+19]. Fiber-Wireless [MG10]. Field
[XJ10]. Fields [WKF+21]. Files [Uto13].
Filter [WWY20]. Filtering
[DH18, YLL21]. Filters [AD20]. Financial
[PS16, TZZ+21]. Finding [HP16]. Findings
[KP15]. Fine [BCMPW21, TPKA20].
Fine-Grained [TPKA20]. Fingerprinting
[FNN21, SOA+20]. Finite [DeD16].
Finite-State [DeD16]. Finnish [JSPH21].
Fire [MSP21, XFX18]. Firefighter
[SRG+13]. Firework [MLM14]. Firms
[DWY+19a, PLA17]. First
[GSL20a, LSZ21, LF16, VLC+19].
First-Class [GSL20a]. Fisher [DWZ16].
FiWi [MG10]. Fixed [OT16]. Fixed-Route
[OT16]. Fixing [FK20]. Flame [BPBF12].
Flat [EW19, LHW18]. Fleet [RS17]. Flexible
[Gro17, KAL+19, NMH+21, SMVP21, Sor12].
Floating [PDMK19]. Flooding [LSK21]. Florence [PBB20]. Flow [IZK+20, SU17b, TCH18, TDT+21, WHB+21]. Fly
[FMGC21]. Focus
[Gar12, GSO+10, SRM20, ZQCC16].
Focused [DBD+14]. Fog [ADM+19b, ARC+19, BMS20, MDT20, Pec18, PDDB19, SNKG20, SEB+21, VdHH+19]. Fold
[JHD21]. Followers [ZAV14]. Following
[HZW+20]. FollowMe [YPLZ19]. Food
[BYS+15, PPMM19, BYS+15]. Football
[CR21, TCG19]. Forcing [GVC13]. Forecast
[HLZ+18, MSIP20, WX20].
Forecasting [CMP+19]. Forensic
[PV20, SKT+19]. Forensics [HCHP16, IL14].
Forest [OAG21, XSS18]. [DMO+20].
Forgery [LMLW18]. Format [KMS+12].
Formative [NE21]. Forward
[GVC13, KFP10, LCW+18, SJG18, XGN19].
Forward-Looking [XGN19]. Forwarding
[KTUF19]. Foster [ACK+16]. Fostering
[CL19]. Foundations [FHS+10]. Four
[AIPV21, LF16]. Four-Pillars [AIPV21].
Fractal [KKK+20]. Fractional [CL16].
Fracture [GAAC18]. Fragmentation
[SLJ10]. Frame
[Lee18, LMLW18, LMH19].
Framework [ACBP19, BRBC14, BG09, BKS19, BLW+17, BM18, CRG20, CCM+17, DQ18, EH21, Fio10, Gosl20b, GMS+20, HBM+21, HOW16, JLH+13, JH17, KVST19, KP19, KS14, KKT20, LZZ+17, LNJ19, MSC19, MKDG20, NMH+21, NE21, PPN18, PG19, RRLT20, RMLAZOPC21, RAK+21, RD18, Sor12, TZE+21, VdHH+19, VCRVS+21, VCB14]. Frameworks
[DWY+19a]. Franchise [SFB+19]. Fraud
[LRdLS19, MT17a]. Frauds [VKKA17].
Free [CCK+21, GPMO20]. Free-Space
[GPMO20]. Freeway
[SYGY21].
Frequency
[BCMPW21, Lee17a, OFK19, VPCE20].
Friendly [RRP17]. Friendship [SJ21].
Fronthaul [MGV17, MM21]. Frontline
[SGR+13]. Fruition [AIPV21]. FttC
[MVG17]. FttC-Based
[MGV17]. Full
[AZ19, SNH+19, SXXW20]. Full-Duplex
[SNH+19, SXXW20]. Fully
[DL14, Pri10].
Function
[CASN21, ELC+19, ELC20, GGK18, GKG19, JK20, Pap20, STC+21, VL20, WYL+21]. Functions
[MP16]. Fused
[AWHF19]. Fusepool
[KS14]. Fusion
[CZL21, LQY+19, SYL21, WX20, XY21, YWW+19, ZZ18, ZLXY19, ZCH19, ZC21, ZQCC16]. Future
[BSEL20, BLU+15, BPG19, CFV19, DPH17, DPH19, DDPVP18, Dua21, FC19, FGBMG19, Fra18, Fri13, GAGB19, GPCP12, GW13, HE20, HS09, IBB20, IKP+13, KGK20, KHN+11, LZZ+17, LCMV17, LL20c, LFGR20, MG10, MFF+20, MSIP20, MKvD11, MAEP18, NZ14, Pri10, SG19, STG+20, Fut20, Fut21, Giu18a, Off15, Off16, Off17, Off18, Off19].
Fuzzy
[DPPVP18, DCHM16, HWZP18, JP21, KKEV17, PCC+18, Tra18, YPMM12].
Fuzzy-Based
[PCC+18]. Fuzzy-NN
[KKEV17]. Fuzzy-Rule-based
[YPMM12].
G [FG17]. G-Networks
[FG17]. G.723.1
[LYL20]. Game
[AZ19, GFL21, LS19, MEO18a, MSH16, TKT+18].
Game-Theoretic
[LSF19]. Games
[BB20].
Gamification
[MKK19]. Gambling
[BHH12]. Gated
[SLJ10]. Gauss
[BPBF12]. Gaussian
[TGEL13, YLL21]. Gazetteers
[Lau15]. GB
[WZG+18]. GB/s
[WZG+18]. GDPR
[PYC21, Ves18]. GDPR-Compliance
[PYC21]. Gender
[AT14, dPCGMC20, GSD+17, Mar13, SM20, VYN19]. General
[LNG19]. Generalized
[HZW+20, SJ10, WHB+21]. Generated
[FR16]. Generating
[HLH+13, LTTS21]. Generation
[FWVF19, HEP+11, HLLT10, HUM+21, IG10, KP19, MKSV+19, RYY10, SAZ18, SYLL21, TZE+21, WZG+18, YKY18].

[SKI+19, VCPPRC20, ZSF20, ZVKK19].
Imputation [PHGZ20, ZZ21]. In-Home [COL21]. In-Memory [CMO+21].
In-Network [KKBD10]. In-Situ [GRRZ18].
In-Vehicle [BCNS20]. Incentives [VSEH+21]. Incidence [LCV+17].
Inclusion [PE13]. Income [LRdLS19, PPM21].
Incorporating [JLW19]. Increasing [HSC19, RSX18].
Independent [AdMTJ20, TPD+20, WY19]. Index [LNA17, WLYL20, ZLW21]. Indexed [YMJ20]. IndexedDB [PV20].
Indicator [CCK+21]. Indicator-Free [CCK+21].
Indicators [SSR17]. Indices [KZ20].
Individual [GDCM19, MZ19]. Individuals [PS17]. Indonesia [RHHN21]. Indoor [DWZN16, Goe12, HUM+21, MCCHO19].
induced [GLW+19]. Industrial [BML19, CSIS19, CMW18, CMH10, DSM21, Jal19, LG20, MSN13, Pill18, SU17a, SLS20, UB18].
Industrie [PKCF21]. Industry [BFFZ+12, CPM19, MBAS20, PGSL20, CEZC19, DTL+21, DPR+21, Lel19, Pill18].
Inference [PPKS21, dOB19]. Inferring [GMB+21]. Infinite [Tsi14].
Influence [CLM+21, DGG519, ESLB20, LMK18, RZCL19, WZWL19, YPZ18, ZV12]. Influences [HP20]. Influential [SSF+18].
Information [ACM+19, BRP+13, CP10, CZL21, CFG20, DGADE14, FZ15, FP19, Fot20, GL19, HZWJ21, ICF+11, Ler16, LW11, LSH21, LH21b, MRSY19, MSH16, NZZ13, NZ14, OT16, PS16, PA13, RRS20, RBSMRN21, SYB+18, SOSR+16, Sof19, SM19, SNZ21, SYLL21, Tni14, Uto13, UUT+19, WHB+21, YHG+21, Zha19, ZY20a, ZWZ19].
Information-Centric [ACM+19, FP19, Fot20, LSH21, LH21b, SYB+18, SM19, SNZ21, ZWZ19].
Information-Driven [Sof19].
Informational [KDD+21]. Informed [Pic21]. Infrastructure [CSIS19, HEP+11, KMS+12, NPB+19, SSS+19, Tas10, VFFF19].
Infrastructures [HBMS20, KGKP20]. Inhibition [GGCY20]. Initial [IPL+18].
Initiatives [OO19, VCB14]. Injection [SCA+19]. Innovation [ACK+16, CMK+16, CGMVdUC19, OGR+20, PKCF21].
Innovations [GMRRQ+16]. Innovative [GX20, MGB21, SIZ12]. Input [AFAAM19, CFX20, oRL19, Smi15].
Instruments [PS16]. Insurance [GLD+18, MNN19]. Integer [GVC13].
Integrated [CMP+19, FMNS11, IAG+21, KYS21, Li18, LLL21, MKM+19, VLC+19, ZLL18].
Integrating [AI 20, IP16, JP21, ZC21]. Integration [DMZ+19, SOSK12, Tri14, VLC+19].
Integrative [RHHN21]. Integrity [HP19, XGN19]. Intellectual [CWF13, PLA+21, PKCF21]. Intellectually [FBOC15].
Intelligence [AK19, AAM+21, CL19, DN20, DWL21, ELCS20, GRJ+19, ISG20, IG10, Kh20, Min20, MGLBMM20, OC20, SKI+19, SG19, SYLL21, VCGOMC+21, dCdG20].
Intelligent [FB18, CNE+21, DPH17, DPH19, Dua21, FFVP21, IL14, MATP19, MKM+19, PSC19, SYB+18, VFS+19, WCF+16, ZJ18, ZGL20, ZZ19]. Intensity [CMW18]. Intensive [CMO+21]. Intention [HSM19, HC19, WLI+19]. Inter [BKL+19, Lee18, YT19]. Inter-Frame [Lee18]. Inter-Packet [BKL+19].
Inter-Vehicle [YT19]. Interaction [CB16, FR16, GNNZRCRG18, HIC19, SU17a, SFD20]. Interactions [BM20, BMGI21, DeD16, FNN21, MS20, Mk20]. Interactive
Just-In-Time [Alb19].

Keeping [ZLY+20]. Key [CSIS19, HEP+11, LCMV17, MKK17b].

Keyword [HWZP18]. Key [FC19]. Kits [DG18]. KNN [LBBP+21]. Known [KPP+20a]. Knowledge [AMR+21, CYC+21, For14, ICF+11, KS19, OTR+20, PG14, PLL+21, PKCF21, Por21, RRT20, SU17e, SLSK21, SCM12, ZL20, ZC21, ZY20b, ZGH13].

Knowledge-Driven [RRT20]. Knowledge-Graph-Based [CYC+21]. Kohonen [BCNS20]. KPIs [SPSS17].

Kubernetes [PPKS21]. kV [AMZ+20]. KYC [KPP+20a].


Laboratories [ZJ18]. Laboratory [HZWJ21, RHHN21]. Lake [DGH+20].

Land [MGUD12]. Landscape [PR11, SPC+11, SPB+11]. Lane [SYGY21, WZG+18]. Language [AdMTJ20, GPK+20, JSPH21, KI20, KKT20, PL0Y20, KKS+21, RCL21, SG21b].

Language-Independent [AdMTJ20]. LANs [Lee18]. L'Aquila [ADG+19]. Large [HP21, JXA19]. Large-Scale [JXA19].

Largest [Kra20]. Latency [MM21, VKM+19, YLK+19].


Layer-Wise [GTC19]. Layered [QWR18].

LBCS [MGUD12]. LDA [LBBP+21]. Lead [RIS+17]. Lead-Acid [RIS+17]. Leaks [FKK20]. Learner [VI16].

Learner-Managed [VI16]. Learning [ABSG21, Alb19, AA21, AGN21, BCMPW21, CMO+21, CGnCD20, CASN21, ESB+20, ERBL12, FOJE19, FHXL19, FQ21, FMCT09, FM20a, Gao21, GHA+21, GMGK20, HXHP17, HOPGRV21, HBM+21, HN18, Hua15, HRGQHOA21, JXA19, JHC+20, JGV+21, KALY17, KID+15, LS15, LWX18, LG20, LLZ21, LL20b, LL20c, LYMG17, MAW+19, MDM21, MN21, MKM+19, MP13, MF20, OOM+18, PLL20, Pec18, PHG+20, PLA+21, QWR18, Rec21, SE15, SJ12, TSY+18, TFKY19, TCH18, TLK+20, TMTMB20, TKT+18, VCRCSV+21, VI16, WLL+19, Whe09, WCY10, WZL21, YLJ+19, ZKKK19, ZWS20, ZSSX19, ZY20b, ZXZW21, ZTBD20, GLW+19].

Learning-Based [BCMPW21, JXA19, MKM+19]. Learning-Using [VI16]. Learnt [KG18].

Ledger [ACA+21, FK21, Tre21]. Legacy [YLK+19].

Legal [DN20, Fra18, HWCH12, LAG+18].

Legislative [SS14]. Legislators [Ves18]. Lessons [KG18]. Level [CGM+19, LMLW18, MN21, SNZ21, SZC19, XYZ19, ZKL21, ZGG+18].


License [RPB+17]. Life [MK20]. Lifetime [ZBN21]. Light [KC19, PCC+18].

Light-Weight [KC19]. Lightweight [ADM19a, BMP21, SBS18, SFEK18, ZZ18].

Like [CYO+17, RHV17]. Likelihood [SJA18]. Limitations [CR11, PGSL20].

Limited [BZDP19, BM18].

Limited-Resource [BM18]. Limits [Ler16].

Linda [DGGS19]. Linguistic [AFAA19].

Linked [RAA+18]. Linking [SW21a].

Links [Mat20]. Lipreading [ITH+21].


Live [AGC18, LSC+17]. Livestock [GMRRQ+16]. Living [ACK+16, CFG20].
Load[ARA'A19,BdCRM10,GW15,LIW19,LZL+21,MKM+19,OT16,SHBS19,YG20,YWW+19]. Load-Balanced[BdCRM10].
Local[CPRS20,DQ18,DWZN16,DWY19b,GS12,HGF21,MSR+14,MHK13,RFSOHMSB21,US19,Yan17,ZYLM17,ZQCC16].
Localization[GZC21,PG19,RPB+17].
Location[BHH12,DQ18,DLX+19,JLGF19,KSA+21,KH19,RSX18,RAK+20,VKK+19].
Location-Aware[BHH12].
Location-Based[KH19,RAK+20].
Location-Dependent[JLGF19].
Locative[ie12].
Locator[LHW18,MIK13].
Locactic[FC19].
Locative[Oie12].
Locistor[LHW18,MIK13].
Locate[CZZH15].
Lockdown[HGF21,MPG20,PBB20].
Logic[SG18,SW21b].
Logic[CPP+20,GL12,JP21,Tra18].
Localist[OMTFL21,SQK+17].
Lognormal[KP19].
Lombardy[TC21].
Long[DYS15,FM20b,GLW+19].
Long-haul[GLW+19].
Long-Range[FM20b].
Long-Term[DYS15].
Longevity[Jeo20].
Look[KFP10].
Look-Ahead[KFP10].
Looking[XGN19].
Loop[CZZH15,OTR+20].
LoRa[LA20,OAG21].
LoRaCommunication[KKEV17].
LoRaWAN[ADAB21,BZDP19,BPG19,EABE19,MCCHO19,VC19].
Lose[Tsi14].
Lot[TCB+19].
Low[BKL+19,BCMPW21,LIW15,MM21,PR11,TPD+20,VMK+19,WHLR13,WZL+20,YT19,YWW+19,ZLY+20].
Low-Complexity[WZL+20].
Low-Cost[PR11,TPD+20].
Low-Jitter[LC15].
Low-Latency[MM21].
Low-Priority[YT19].
Low-Resource[ZLY+20].
Loyalty[GLRM19].
LSTM[AWHF19,GMA20,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,MM21,MSK+18,ORK+19,YLH+17].
MAC-PHY[MM21].
Machine[LAG+18].
Machine[AA21,AFHAM19,CMO+21,DeD16,DL19,FQ21,GHA+21,GMGK20,HN18,LSC+17,LM20,MDM21,MC21,MKM+19,MB20,PLYD20,QWR18,RS+21,TZ+18,TLK+20,WC17,ZKKK19,ZWS20,ZLY+20,ZTBD20,GLW+19].
Machine-Learning[LG20].
Machines[CMO+21].
Makers[Ves18].
Makes[BR21].
Making[ARM20,CMSS21,DCPG21,Let16,MHSH16,PR12,SZC19].
Male[VYN19].
Malicious[ZCZ17].
Malta[FMNS11,For14].
Malware[KAS+20,Uot13,YZZ+20].
Managed[VI16].
Management[AZ19,AL20,APB+16,BMS20,BSEL20,BN14,CSIS19,CJKK21,DDPVP18,DCA16,Du21,FC19,FLRS12,GW13,Gla11,GSL20b,HGJ18,IP16,ICF+11,IZK+20,KPP+20,KTP17,KOJP13,KLZ16,KID+15,Lee20,LYP+19,LCM17,LCV+17,LGV13,LSM+12,LU15,MSC19,MMK17b,MMH19,NMH+21,PPMS19,PLA17,PCC+18,PST+21,PPP21,QMN19,RC18,RTK19,RZQS18,SR16+16,SOSC+16,Sof19,SLSK21,SKT+19,TADS20,TH20,VCP20,VCCGMC+21,WLZ18,YCS17,YPMM12,YY17].
Managers[ATR20].
Managing[Han13,Lal14,SS+19].
MANET[Al20].
MANETs[Alb21,LM14,PZH+18,ZHZ+19].
Manufacturing[LBSS12,PGL20,SC17,TPJ21,WCSZ18,ZLL18].
Map[DHEK19].
Mapper[AJ18].
Mapping[JLG19,KMS+12,LIW18,
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
[AAAAM+21, DMO+19, MATP19].
Marketing [GLRM19, SPSS17, WLL+19].
Marketplace [MBAS20, PNM+20].
Markets [KSW21]. Markov
[BOB+20, SJG18]. Markup [DL10].
Mars [BC19, WBG12]. Masculine
[VYN19]. Mashup [FMCT09, HS18a].
Mashups [BG09, Whe09]. Masses
[GNK+10]. Massive [HRGQHOA21, WYS17, Wan17].
Master [ZL14]. Masterplans [FZ15, LZ11].
Match [PMGG21]. Matching
[LLW21, MEO18a, ZY20b]. Materialist
[GLD+18]. Maximization
[GHFM20, RZCL19, SNH+19, WZLW19].
Maximize [dOB19]. MCCM [GHFM20].
Mean [ARAAA19]. Meaningful
[DGADE14]. Measure [LL20c].
Measurement
[DHEK19, MEO+12, PXC18, YPM12].
Measurement-Based [YPM12].
Measures [PH20]. NEC
[LXL+20, YXL+21]. MEC-WPT [LXL+20].
Mechanical [NZU20]. Mechanism
[ADM+19b, CYC+21, CZL21, Lee17b].
LWY20, LLZL19, LMP19, LLW21, SNZ21,
SLW17, WHXL18, WCYL20, XDS+19,
ZLXY19, ZCHG19]. Mechanisms
[ARC+19, CCC19]. Media
[Dav12, DIC12, FZ15, HC19, JP13, Jur12,
MGFF14, NGW20, PST+21, SW21a,
STC+21, ST20, SG21a, TKH+11, WLL+19].
Media-Related [FZ15]. Median [IKS+21].
Mediated
[DCA16, RRS20, TMTMB20, TA15].
Mediation [HL19]. Medical
[AMAA+20, ACBP19, BFL20, HRAA19, ZC21].
Medium [AKJB20]. Meet [Jur12]. Meets
[PFLT12]. Mega [WYL18]. Members
[THT18]. Meme [RFZOHMSB21].
Memetics [RFZOHMSB21]. Memory
[BR21, CMO+21, DTKK19, RC18, WZLW19].
MEMP [ZL19b]. Mental [ZS18]. Merging
[SYGY21]. Merkle [CC19]. Mermaids
[MP20]. MES [WCSZ18]. Mesh
[CDBF19, EW19, HF20, KLTC17]. Message
[GBK+10, HC19, THT18, YCS17].
Messages [CGT21, GMA20, UDF+19].
Metadata [BGD09, Bea10, Gla11, Tas10].
Meteorological [MXT+16]. Meter
[EHJ17]. Method [Alb19, AZV16, BGD09,
CT20, DCHM16, DH18, DLX+19, GXWD19,
HCP16, HXHP17, J21, KKK+20, LLZ21,
PPM21, SOR+16, SSB21, hslq117,
TCB+19, W4L+17, WZLL19, WZXX,
YYW20, YKY18, YLPW21, YWV+19,
ZZ21, ZZ20a, ZZY+21, ZZLM17, ZZCC16].
Methodological [GMRRRQ+16].
Methodologies [ADAB21, AIPV21].
Methodology
[DVED20, SOR+16, Uto13, dCdG20].
Methods [AHD21, CFX20, GM16, HH20,
HB+21, HP21, JSPH21, KKS+19, OC20,
PR11, VKKA17]. Metric [YT18]. Metrics
[ALDS19, HC19, JP21, PTM20]. Mexico
[JP21]. MHBase [MXT+16]. Micro
[YYW20]. Micro-Blog [YYW20].
Microblog [HL19]. Microblogs
[EM09, JLW19]. Microgrid [KAL+19].
Microgrids [TGS+19]. Microservice
[SGLZ20]. Microservices [AA+21].
Microsoft [RCSL19]. Middle [JAS21].
Middleware [HVS17]. Middleware
[FMC109]. Migration [AGC18, KMS+12,
LSC+17, RGMFM12, TTKZ19, WZLW19].
Military [GCP12, GGW18, LMP19].
Millimeter [LJ19]. Millimeter-Wave
[LJS19]. MILP [CAS+20]. MIMO
[WYS17, Wan17]. Mine [For14].
MinHash [HWZP18]. MinHash-Based
[HWZP18]. Minimizing [Mah17].
Multi-Premise [WZL21].
Multi-Provider [MP16].
Multi-Radio [HF20].
Multi-Rate [LWY20].
Multi-Scale [XY21].
Multi-Social [RZCL19].
Multi-Source [PLYD20, SYLL21].
Multi-Targets [WL20].
Multi-Thresholds [XCSM18].
Multi-Tier [CKK21].
Multi-Topology [MWY19].
Multi-User [LX+19, oRL19, SOR16, ZZWP19].
Multicast [CFP17, CFP19, DLK10, JWRX17, KKB10, PSM+18, YC16].
Multicell [KTP17].
Multidiscipline [ZLL18].
Multihop [NSV17].
Multilane [SYGY21].
Multilevel [HT14].
Multilingualism [Lau15].
Multimedia [BGC10, HDL+14, HE20, RRT20, WY19].
Multimodal [CCM+17, FM20].
Multipath [KSSF19, KLT17, WY19].
Multiple [HLZ+18, HWZP18, LXL+20, RIS+17, SWZ18, WYL+21, YXL+21, ZZ21].
Multiplex [SAL21].
Multiscalar [dCMA21].
Multitasking [SW21a].
Multitier [DGKL15].
Municipal [FZ15, ZL14].
Municipality [Yan17].
Musculoskeletal [JTA+21].
Musical [KPP+20b].
Mutual [AdMTJ20, CLM+21].
My [MSR+14, UDF+19].
myDIG [KS19].

Name [Bea10, FP19, GSL20a, KHM20].
Name-Based [FP19].
Named [ATH18, ARC+19, GXW19, KST19, KH19, LMPT19, YSEK20].
Naming [WC20].
Nano [MAEP18].
Nano-Things [MAEP18].
Narrative [ATY20].
Narratives [DGS19].
Nationality [Mar13].
Native [Du21].
Natives [GWK17].
Natural [DGHH20, ICF+11, NPB+19].
Navigation [HS20, IAG+21, Ngu19, ZYL17].
NB [ADAB21, MOA17].
NB-IoT [ADAB21, MOA17].
NDN [KHM20, WZX20, YHG+21].
ndnIoT [GSL20a].
ndnIoT-FC [GSL20a].
Near [BZP+21].
Near-Sensor [BZP+21].
Neck [IKS+21].
Need [LNG19, SSS21].
Needs [Tag20].
Negative [FC19, KPC19].
Negotiation [WHXL18].
Neither [FKK20].
Neo [CCA+20].
GeoNetGeo [For14].
Nephropathy [ZWS20].
Nerve [SWD+18].
Net [GRA21].
NetKAT [PG19].
Nets [DCHM16].
Network [ATH18, AA21, BZP+21, BZDP19, BKSS19, Bi14, BRR+13, CPRS20, CYC+21, CTN+21, CASN21, CGT21, CMH10, DWZN16, DLX+19, DAMAS+19, EW19, ELC+19, ELCS20, FC19, FWVF19, GVC13, Han13, HLZ+18, HGJ18, HCH16, HD16, HWCL17, IG10, ITZ20, JK20, JTA+21, KGKP20, KGR+21, KKK+20, KWI+19, KK21, KPC19, KSO19, KLTC17, KKB10, LLW+17, LLZL19, LTW21, LF16, LQY+19, LXL+19, LLL21, MMA10, MAVS20, MSN13, MP16, MS16, MGB21, MV17, MBF+12, NZZ12, OAG21, Pap20, PPMS19, PX18, RS17, RF21, RD18, SMG13, SAL21, SQK+17, SYGY21, SS+19, Sni13, SXH19, SYZ19, SKT+19, SG21b, TLK+20, UFK+10, VL20, WLH+17, WZL19, WSM20, WZ18, WYL18, YFPX19, YZZ+20, YT18, YSEK20, YLPW21, YY17, YLJ+19, ZBN21, ZL19b, ZL19a, ZCHG19, ZL20, Zha19, ZSF20, PPN18].
Network-Based [BZP+21, Han13, Zha19].
Networked [LS21, Tag20, TEE10].
Networking [AP21, ACM+19, ARC+19, BCFF21, BM14, CDBF19, FP19, Fort20, GJ15, GCP12, IZK+20, KST19, KH19, MZS19, MCH+20, Pap20, PKCF21, QSF+17, SYB+18, Sni13, SM19, SNZ21, VL20, ZW19].
Networks [AAR+19, ADM+19b, AIR+18, AA21, AMZ+20, AMF+10, BCNS20, BdCRM10, BF18, BCG10, BKL+19, BRR+13, CBM+20, CLM+21, CSL+20, CZK+17, DPH17, DPH19, DMZ+19, DLK10, Du21, FMA+20, FWVF19, FG17, GSL20a, GDARM18, GGW18, GX20, GTC19, Gro17, GMB+21, GSP15, GFL21, HFF20, HLL10, IKP+13, JP20, KM18, KLKP19, KTP17, KHN+11, KC19, KTUF19, LBG+14, LMK18, LSH21,
LCW+18, LH21b, LZL+21, LCMV17, LRDLS19, LZC21, LN19, MCM+10, MG10, MEO18b, MP20, MP16, MKDG20, MT20, MKK17b, MWY19, MKvD11, MN21, OB13, OLCmdA20, OTR+20, PZC21, Pct20, Pin10, PSM+18, QAM17, RZCL19, oRL19, RSX18, RKS+21, SSF+18, SRM21, SSS+19, SS15, SJA10, SWD+18, SXXW20, SAZ18, SLW17, SAM+18, TFKY19, TL17, USS19, VR21, WCF+16, WCM19, WC19, WWB+20, WZG+18, XSS18, YCHG18, YKC19, YPG20, YHSW19, YY16. Networks [YLH+17, dOB19].

Neural [ATH18, BZP+21, CBM+20, DAMAS+19, GX20, GTC19, Han13, JTA+21, KWI+19, LLZ19, LRdLS19, MGBK21, OTR+20, PLYD20, RSX18, RKS+21, SWD+18, WZ18, YZZ+20, ZLY+20, dOB19]. Neurological [JTA+21]. Neurologist [SWD+18].


Nonlinear [ZLS19]. nonlinearity [GLW+19]. nor [FKK20]. Norm [HD16].


OCARI [MM10]. Occlusion [TCH18]. Occlusion-Aware [TCH18]. Occupancy [HBM+21, TCB+19]. Oceans [JIA19, ML20].

ODK [APB+16]. OFDM [GLW+19]. Off [LMK18, SLW17]. Offering [FGBMG19]. Offerings [PL+18]. Office [FM20a].

Offices [PPM21, RBMSRN21]. Official [CKK21]. Offline [MFO+20, ZLLW18]. Offloading [ADM+19b, DVED20, LLL21, MATP19, QWR18, YXL+21]. Offs [GL13].


Onboard [ML20]. One [SU17b, YPLLZ19]. Ongoing [AS19]. Online [ABSG21, AIR+18, AGN21, BLW+17, BBK+20, CLM+21, CS11, DWY+19a, DCPG21, Gar12, GK21, HZJW21, HCW20, HRQHOA21, ISG20, ICE+11, ITZ20, LS15, LLZ21, LY19, MBAS20, MKDG20, PD21, PFdRGG21, SPB+11, Sor12, SSS21, SG21a,
Ontological [KPCS13].
Ontological-Relational [KPCS13].
Pattern-Based [FLRS12, GMH18].
Patterns [BHM+19, DVED20, FAB+12, HGF21, KVS19, SG12b]. PBFT [CCA+20]. PBFT-Inspired [CCA+20].
PdM [NZU20]. Peaks [ZQCC16].
Pedagogical [LS15]. Pedestrian [PCC+18, SYZ19, XY21]. Peer [BBK+20, GKS10, HWCH12, MKDG20].
Peer-Communication [BBK+20]. Peer-to-Peer [GKS10, MKDG20]. PEKS [KHM20]. PEKS-Based [KHM20].
Penetration [CWF13, FR16, GN16, LNB12, LA20, Söd13]. Perceived [AP21, RRAGM12].
Perception [CCM+17, GM16, GSD+17, HL19, JDRH21, SRMJ21]. Perceptions [LL20, NWG20]. Perceptron [LBPP+21].
Percolation [BBMR19, GB20]. Perfect [PMGG21]. Perform [DSM21].
Performance [AZV16, BMBG12, GKK+19, HUM+21, IBBA20, IZK+20, KP19, KKS+19, KHRG19, KAS+20, LLZ21, LLBB18, LFGR20, MGy17, MF+12, OLCmdA20, PXC18, RRP17, WWB+20, YCS17, YSEK20, ZZ21].
Phones [BCL11, MT17b]. Phubbing [GDCM19, SW21a]. PHY [MM21].
Physical [CPP+20, DSM21, GW13, GCC13, HBF20, LH19, MKHR21, OCC20, PGSL20, QWR18, TH21, TKT+18].
Plate [RPB+17]. Platform [ACBP19, ALLR16, DCHM16, GRJ+19, GM16, KAS+20, LGMZ19, Li18, LG20, MB20, MKSV+19, NMH+21, RP+17, SSO+19, SS14, TZW+21, TRI4, VDH+19, VDE+20, ZL18]. Platforms [DVED20, FGM19, MKdD11, MKSV+19, XQLZ19, ZH13, dCdG20, LAG+18].
Policy-Makers [Ves18]. Polish [OC20].
Politeness [LLR19]. Political [RBSMRN21, ZVU12, Zaf12].
MMF+19, NPM+18, OO19, RIS+17, SH21, TZE+21, VGS+19. **Real-Time**
[AMCI17, IMR+18, MXT+16, RIS+17, SH21, TZE+21, VGS+19]. **Real-to-Virtual**
[For14]. **Real-World**
[BSE+21, GSP15, NPM+18, OO19]. **Realistic** [LZC21, MGV17]. **Reality**
[Ant12, IKS+17, JGV+21, KTS18]. **Reasoning** [AGN21, DCHM16, DGGS19, GL12, HCP16, LJ16, MKHR21, PCROB21, SU17c]. **RECAP** [BSE+21]. **Receiver**
[AAR+19, YT15]. **Receiver-Triggered** [YT15]. **Recipe** [GDLG18]. **Recognition**
[ATH18, AWHF19, DYL+21, FM20a, GXWD19, GRA21, HYL19, ITH+21, LMPT+19, MKKS18, RPB+17, RSG21, SGMMRG21, SOA+20, SYZ19, SDL+19, US19, XGN19, YCHG18, ZL19b, ZZSX19]. **Recognition-Based** [US19]. **Recommendation**
[AHD21, GABG19, LPM10, RAK+20, SJ21, WYX18, XY18, XDS+19, ZSF20]. **Recommendations**
[ITZ20, KKT20, TL17]. **Recommender** [SGMMRG21, SOB+19]. **Reconfigurable**
[IBA20, WWY19]. **Reconstruction** [TDT+21]. **Reconstructor** [LH21a]. **Records** [LTTS21, SYLL21]. **Recovering**
[BLW+17]. **Recovery** [DDZ18, ZS18]. **RecPOID** [SJ21]. **Recruiters** [VNJ18]. **Recruitment**
[VKKA17]. **Recurrent** [ATH18, SJ20]. **Recycling** [ZTB20]. **Reddit** [BCT21]. **Reduce**
[SOR+16]. **Reduction** [ELC+19, OT16, RSG21, SAF14]. **Redundancy** [Fio10]. **Reference**
[BML19, DHEK19, PPP21]. **Referral** [Z15]. **Reflective** [VI16, Whe09]. **Reframing** [KG18]. **Regard**
[SOHC16]. **Region** [TC21]. **Regions** [NZZ13]. **Registers** [Gla11]. **Regression**
[SQK+17, YWW+19]. **Regressions** [OMTFL21]. **Regulation**
[BFFZ+12, LGMZ19, PKCF21]. **Rehabilitation**
[COL21, GAA21, MMS+19, SCM12]. **Reinforcement**
[FHXL19, KALY17, QWR18, TFKY19, TKT+18, WZLW19, ZY20b]. **Related**
[Dua21, FZ15, FGBMG19, JSPH21, Min20, SLSK21, YMJ20, ZL14]. **Relation**
[DGAE14]. **Relational** [KPCS13]. **Relations** [PM17]. **Relationship**
[CPI+18, HT14, Mar13, SRM20, WZL21]. **Relationships** [TL17]. **Relay** [CFP17, DYS15, JP20, SJ18, SXXH19, SNH+19]. **Relaying**
[KFP10, SJG18, SXXH19]. **Relevance** [RCGSL19, XY18]. **Relevant**
[CDBF19]. **Reliability** [DCHM16, FAB+12, SWJ20]. **Reliable**
[CFP19, Lee17a, MM21, NSV17]. **Remote**
[ANAM21, Ciu19, LKYT+15, POC20]. **Removal** [Fio10]. **Renewable**
[KAL+19, TH20]. **RepDroid** [TPKA20]. **Repition** [LMLW18]. **Replacement**
[LMA17]. **Replicas** [LZS18]. **Report** [MT17a]. **Reported** [SW21a]. **Reporting**
[GK21, KAS+20, TZE+21]. **Repositioning** [CYC+21]. **Repositories** [WKPC18]. **Repository**
[KPCS13, PTM20]. **Representation**
[LL16, PCROB21, SU17c, SCM12, SXX20]. **Representational** [DGAE14]. **Reproducing** [Sod13]. **Repurposing**
[TC21]. **Reputation** [CP1+18, CFGD20, DPBG18, DCPG21, KST19, LGMZ19, TPZA20, TLC15]. **Reputation-Based**
[KST19]. **Request** [JLG19, LNA17]. **Requests** [VL18a]. **Requirement** [STG+20, ZZ19]. **Requirements**
[AZ19, CPM+19, LCMV17, RF21, TH20]. **Requiring** [ANAM21]. **Rescue**
[KVST19, SZC19]. **Research**
[CEZC19, DHG21, GPCP12, GW13, HPC12, JT20, JSPH21, LLL21, NZ14, Ngu19, OC20, RFS20, SOR+16, SEB+19, TSZ+18, WHB+21, WKF+21, WZL21, Yao19].


Risky [HBFJ20, PS16, Rot12, UW21]. Risk-Taking [SG21b].

Robotic [TEE10]. Robotics [CCM+17, DG18, KG18, SU17b]. Robotics-Case-Study [SU17b]. Robots [CYO+17, CSC21, KG18, LYMGM17, Rec21].

Robust [ABSG21, SS17, TDT+21, YHSW19, ZWZ17].

Robustness [HCXH16]. Rogue [AA19a]. Role [DTTK19, DCPG21, FC19, GSD+17, HCW20, Khr20, KAP21, KPC19, LSW20, SWGL19, TG13]. Role-Mining [SWGL19].


Round [SIJA10]. Route [OT16, TRC+21, YT18]. Router [JLZ18].

Routers [YLK+19]. Routes [OT16].

Routines [NS12]. Routing [AB20, BDCRM10, Bi14, ELC19, Goe12, KJTLC17, LCW18, LXL+19, LYL+21, LW15, MAA10, MWY19, MML14, OT16, PZH+18, VL18a, WCM19, WY19, YC16, YW16].


Running [RGCM21]. Rural [Hel15, Hua15, RS16, VLBRMP21]. Russian [Aa12, RKS+21].

Russian-Language [RKS+21]. Rwanda [NZU20].

S [FC19, WZG+18]. SAES [Sac19]. Safe [ML20]. Safety [CTG21, FTHY21, FAT19, HT14, HY13, KKG20, ML20, UANU20].

Same [LLW+17]. Sample [BM19, BBM20, LRdLS19, VYN19].

Sampling [JHL+18, LXY17, YWW+19].

Santa [WBG12]. Sardina [FZ15, ZL14].

SARS [CR21]. SARS-COV-2 [CR21].

Satellite [CFP19, CFP+21, HLZ+18, KJLP19, VL20, VLP+19]. Satisfaction [STG+20, SWZ18, ZS18].

Saudia [AP21].

Saving [Lee17b, LYP+19]. Savings [CPR21]. Sayonara [CYO+17]. SCADA [TSZ+18].

Scalability [HM20]. Scalable
[AGN21, KGR⁺21, PNM⁺20]. Scale
[GMRRRQ⁺16, HP21, JXA19, JHC⁺20, XY21]. Scales [DIG20]. Scan [APB⁺16].
Scanning [HVS17]. Scenario
[AAL⁺21, SZC19, Tre21]. Scenarios
[AMF⁺10, MGV17, MHSH16, SYZ19, SEB⁺19, WC17]. Scene [LL20a]. Scheduler
[AGC18]. Scheduling [ARAA⁺19, AD18, KAL⁺19, LW19, LSZ21, MAA10, oRL19, SU17b, STC⁺21, SGLZZ20, SJA10, SZFC18, TGS⁺19, WHXL18, XQLZ19, YCS17]. Scheme [AJ18, ADM19a, AAL⁺21, AZ19, Alb21, ADS20, ABS20, CGLR19, CCC19, HK18, LCW⁺18, LH21b, LN19, MXT⁺16, Mah17, PZH⁺18, PYC21, QMN19, SJG18, SXH19, TPKA20, WSM20, WC20, XSI18, YY17, YPLZ19, ZWZ17]. Scholar
[RCGL19, RCL21]. School
[JP21, LL20b, LL20c]. Schools
[MS20, TC21]. Science [BBMR19, BOKC19, Del21, HRKL21, Let16, LAG⁺18, MT20, PBB20, Por21, MGLBMMSC20, YMJ20].
Sciences [WKF⁺21]. Scientific [AD18, EM09, ER10, MGLBMMSC20, WBG12].
Scientists [Ves18]. Scientometric
[SGMRG21]. SciFlow [ER10]. SMC
[Mah17]. Scopus [RCGL19]. Score
[MGBG21]. Scores [FPT20]. SD
[EH21, TRC⁺21]. SD-BROV [TRC⁺21].
SD-WAN [EH21]. SDMw [HVS17]. SDN
[Pap20, AF21, HK18, MWFY19, PG19, SHBS19, SZFC18, WKW18, YHWD19].
SDN-Based [AF21, MWFY19, YHWD19].
SDNs [YLF⁺19]. SDR [MM21].
SDR-Based [MM21]. Search [AMR⁺21, CP10, CCK⁺21, FPT20, HWZW18, KVST19, KH10, MDM21, SOR16, SZC19, VG20, XJ10, ZBN21, ZYLM17, ZVKK19, KH10].
Search-Order [CCK⁺21]. Searching
[XJ10]. Secondary [HT14]. Secret
[BLU⁺15]. Sectional [BM19]. Sector
[SS14]. Secure [ADMI19a, Alb21, FNN21, GPCP12, GMS⁺20, HVS17, HS20, KSW21, KHN⁺11, Lee18, MT17b, PZH⁺18, POC20, RC18, SS15, SXXW20, POC20]. Securing
[AF21]. Security [AS19, AIR⁺18, AS15, BPG19, CKK21, CMH10, DGD⁺19, ESLB20, FAB⁺12, FYWS16, FSG⁺16, FP19, GWK17, GKS10, HH20, HF14, IIOF16, IZK⁺20, KMW18, KSA⁺21, LZZ⁺17, LNG19, MSFM16, PS16, PMGC21, PPN18, PPP21, RYY10, RGMFM12, SBS18, SORS⁺16, SOSC⁺16, SAF14, SWGL19, SAM⁺18, TH21, VFFH19, WYL⁺21, YHSW19, YO119, YZC⁺20, ZR15]. Seed
[RZCL19]. Segment [ELC⁺19].
Segmentation [LSH21, YLJ⁺19].
Segmentation-Based [LSH21]. Seismic
[MFO⁺20]. Select [Cop14]. Selected
[NZ13]. Selection [CZK⁺17, CPF17, CFX20, EMMF19, GL13, PDMT15, SJG18, SOK⁺17, STK21, SXH19, ZZWP19].
Selective [Fio10]. Self [CPP⁺20, DYS15, DHG21, KOJP13, LMT19, NE21, Sac19, SU17a, SW21a, WLL⁺19, XCMS18, YW16].
Self-Adapting [Sac19]. Self-Adaptive
[XCMS18, YW16]. Self-Assessment
[DHG21]. Self-Attention [LMT19].
Self-Determination [NE21]. Self-Media
[WLL⁺19]. Self-Optimization [DYS15].
Self-Organize [SU17a]. Self-Organizing
[CPP⁺20]. Self-Provisioning [KOJP13].
Self-Reported [SW21a]. SEM [ZY20a].
Semantic [ALLR16, CSC21, FPT20, GNZRCRG18, HCH12, HG12, LH21a, LCS12, PFLT12, PA13, PNM⁺20, RDD⁺14, SOK12, SJ20, VRA⁺18, WZ18, ZGH13, BFFZ⁺12, DBD⁺14, Fra18, PFLT12].
Semantic-Based [ALLR16].
Semantic-Driven [RDD⁺14].
Semantically [KMS⁺12]. Semantics
[RRT20]. Semi [GSO⁺10, TTO⁺19, ZJ18].
Semi-Automatic [GSO⁺10].
Semi-Autonomous [TTO⁺19]. Semi-TCP
[ZJ18]. Sending [HYL13]. Senior
[ACK⁺16]. Sense
[CMS21, GSD⁺17, OY19, TTO⁺19].
Sensemaking [GPCP12, V16]. Sensing
[HGJA18, Hel15, HMR21, Oie12, TZS21, WYYQ19, XZ19, ZCZ17]. Sensor
[BZP21, BF18, CH16, CMH10, CFX20, MMA10, MCM+10, MP13, SLW17,
WCF+10, WCM19, WLZ18, XSI18, YW16, YLH+17, ZLS19]. Sensorial [BKSS19].
Sensors [TEE10]. Sensory [PHGZ20].
Sentence [BOB20]. Sentiment
[JLW19, LLZ19, PPN18, SH21, TPK20, YYW20, ZL19a, ZL19]. Sentiment-Aware
[SH21]. Sentimental [JXA19]. SEO
[GKK21, KLKA19]. Separate [AGN21].
Separated [CPP20]. Separation
[SWGL19, SSX20]. Separation-Of-Duty
[SWGL19, SSX20]. Sequence [ARAAA19].
Sequential [DLY21]. Series
[KLKP19, WX20]. Server
[PXC18, ZZWP19]. Servers
[HWPZ18, SGLZ20]. Service [ARC21, AAD+12, ASL17, BB17, CL16, CH16,
CMH10, Ciu19, CSC21, DCHM16, ESLB20, GL13, GMM16, GKK18, GKG19, IKP+13,
KTS18, KMS+12, KG18, KA21, KKT20, LBG+14, LW11, MP16, MNN19, MKvdL11,
MKSV+19, NSV17, NP4+18, PDTM15, PZH18, PNM+20, RF12, SYB+18, SMG13,
SSH20, SWJ20, SGDT19, SWY+18, TKH11, UB18, VFFHF19, WWB+20].
Service-Oriented [LW11, MP16]. Services
[BOK21, CHH+16, CFP19, CR11,
DTTT19, FC19, Fer12, FAB+12, FGBM19, Fra18, JAS21, KMS+12, KPC19, LW11,
MKSV+19, NHH+21, PSM+18, RAK+20, 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].
Shallow [YZY20]. Shapelet [KVST19].
Shaping [HGF21, Khr20, KA21]. Shared
[YJSL18]. Shares [BLU+15]. Sharing
[AGC18, CGLR19, CDD+21, FM16, FMNS11, HWCL17, PYC21, ZAV14]. Shift
[ARAA19]. Ship [Ngu19, ZZSX19]. Shop
[SU17b]. Shops [PPB20]. Short
[FR15, PLA+21]. Short-Term [PLA+21].
Should [MGFF14, PD19]. Side
[DSMM21, PXC18]. Side-Channel
[DSMM21]. Sidecar [BCM+19b]. Sidelink
[BCM+19a]. SIEM [KPCS13]. Sign
[JDH21]. Signal [LLW+17]. Signals
[DAMAS+19]. Signature [FR15].
Signatures [DMO+19]. Silence [ZSZ18].
Similarity [DH18, OY19]. Simple [AK19,
BR21, Gro17, JK20, KWI+19, LBBP+21].
Simplifying [ER10]. Simulated [JHL+18].
Simulating
[BSEL20, BSE+21, GDLG18, SEB+19]. Simulation
[BMI121, KHRG19, LZZC21, MDT20].
Simulation-Based [BMI121, KHRG19].
Simulator [BSE+21]. Simulators
[ALDS19]. Sina [AHD21]. Single
[ARM20, DDZ18]. Single-Mode [DDD18].
SIoT [ZBN21]. Site [AIPV21, VL20]. Sites
[AP21, Smi13]. Situ [GRBZ18]. Situational
[LCV+17]. Situations [LLR19, UANU20].
Size [EMHF19, KK21, LH21b]. Slicing
[LTW21]. Slum [PR11]. Slum-Upgrading
[PR11]. Small [GMRRQ+16, JHC+20].
Small-Scale [GMRRQ+16]. Smart
[AMAA21, ARC+19, BMS20, BZDP19, BFVM14, DAMAS+19, EHJ17, ENT21,
FM16, FM20a, GAGB19, GLD+18, GHA+21, Gu18b, GSL20b, GNNZCRCG18,
HXHP17, IMR+18, KAM+19, KPP+20b, KPP+20a, KCK+19, KK20, KAL+19,
LNBI2, LMSC19, Let16, LMY21, Mal20, MAW+19, Mar17, McK20, OGR+20,
PPGC16, PCC+18, PSC19, PPNN18, PTM20, RH17, SSO+19, SNK20, SZC19, TL19,
VL20, WZL+20, ZKKK19, ZLS19, ZTBD20]. Smarter [Ma20]. SmartLab [TPJ21].
Smartness [McK20]. Smartphone
[KKL+20, SRM20, BRP+13, UDF+19]. Smartphone-Based [BRP+13]. SMEs
[DPR+21, SOSC+16]. SMS [GMA20].
Snack [KWT+19]. SNS [THT18]. SOAP [KMS+12]. Social
[AS19, AP21, AIR+18, ACK+16, BCT21, BOKC19, CLM+21, CFP17, CCM+17, Dav12, DIG20, FC19, Far12, FZ15, FB0C15, GJ15, GPCP12, Gog12, GFL21, HT14, HCW20, HRGQHOA21, ITZ20, Jur12, KG18, KPC19, Let16, LZZC1, MP20, MMH16, MKDG20, MS16, MGFF14, MOAI17, NWG20, PSL+21, PFLT12, RZCL19, RDD+14, SK19, SRMJJ1, SAL21, Smi13, ST20, SG21a, THT18, TZS+21, TL17, TKT+18, Vs18, VKK+19, VCB14, WLH+17, WZC19, WZLW19, WKF+21, YK19, YPLL19, Zha19, ZSF20, CB16].
Social- [RDD+14]. Social-Aware [CFP17].
Socialism [HW16]. Socially [PS17].
Societal [MZ19]. Societies [Let16, LMY21].
Society [ACK+16, Tsi14]. Socioeconomic [HGF21, HRKL21]. Soft [CFX20, LH21a].
Software [AA19b, AAA+19, AA21, BCFP21, BM4, EWF19, GGW18, IZK+20, LXL+19, MZS19, MP16, MSP21, PAP20, RKY20, SSK+19, SAM+18, TRC+21, VL20].
Software-Defined [BM14, LXL+19, MZS19, MP16, SAM+18, TRC+21, VL20].
Softwareized [RS17]. Solar [HS20].
Solar-Powered [HS20]. SOLIOT [BM20].
Solution [SU17b, VI16]. Solutions [GPCP12, KSA+21, KSE+20]. Solve
[CBRS21]. Solver [Yan19]. Solving [GDLG18]. SOM [BCNS20]. Some
[BZDP19]. Source [LI18, PLYD20, PTM20, PFL+12, SYLL21, ZZY19]. Sourced [Lal14].
Sources [RBSMRN21]. Sourcing [NPB12].
South [PH20]. Space
[GPMO20, Lec18, LLL21, MWY19, WHE09].
Spaces [LMS19, MS20, WHE09]. Spacing
[AAR+19]. Spain [VLMP21]. Spam
[GMA20]. Spammers [AA19a]. Spanish
[AdMTJ20, Hor19, LL20c, RRAGMGG20].
SPARQL [RAA+18]. Sparse [SQK+17].
Spatial [BR21, DQ18, FMNS11, LMH19, PG14, SS14, WX20, YCHG18, ZWZ17].
Spatial-Temporal [WX20]. Spatio
[CFG20, EvdMB20, dCMA21].
Spatio-Temporal
[CFG20, EvdMB20, dCMA21]. 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].
Speech [ITH+21, VVK+21]. Speed
[DWY19b, GAGB19, HM20, KKS+19, Tra18].
Sphere [PE13]. Spherical [Mat20]. SPIHT
[SS17]. Spiking [BZP+21]. Spillover
[RZQS18]. Split [MHK13, MM21]. Spots
[ALST20]. Spread [HGF21]. Spreading
[CML+21, HD19, RFOSOHMS21]. SRUP
[POC20]. Stack [JLH+13]. Stacking
[WL+19]. Stacking-Based [WL+19].
Staging [CYO+17]. Stalking [GJ15].
Standard [SWD+18]. Standardization
[HAL18]. Standardized [JP21]. Standards
[Du21, FAB+12, KKTK20, dCdG20]. Star
[SOB+19]. State [CCM+17, DeD16, KSA+21, SJS18, VCRCSV+21].
State-of-the-Art [KSA+21]. Statements
[TZS+21]. States [SG21a, WLH+17]. Static
[BdCRM10, GSP15]. Station
[ENT21, YPXH19]. Stations [BZDP19].
Statistical [CMW18, Smi15]. Statistics
[SJ12]. Status [HE20, SCM12]. Stay
[PdRB19]. Stealth [HCXH16].
Steganalysis [WYL20]. Steganography
[WYL20]. Steganography [WYL20, WYL20]. StegNet
[WYL20]. Steps [For14, LCS12].
Stereotypes [Sod13]. Stickiness [HL19].
Stochastic [ZQCC16]. Stock [TZS+21].
Stopovers [ALST20]. Stopping [FTHY21].
Stops [KAM+19]. Storage [DPR+21, LZN18, MMN19, PV20, YJS18, YL21].
Store [KFP10]. Store-Carry [KFP10].
Storms [DGD+19]. Storytelling [BHH12].
Stranger [DCPG21]. Strategic
[FZ15, LZ11]. Strategies
[AK19, BdCRM10, BM19, BBM20, KFP10, MP20, RRP17, XJ10]. Strategy
[CPRS20, FAT19, GW15, KHM20, LZS18, LYP+19, PPP21, SGLZ20, SYGY21, SIJD12, TTKZ19, XCSM18, ZBN21, ZWZ+19, ZZY19]. Stream
[GL12, LQY+19, VdHH+19]. Streaming
[LNA17, VdHH+19]. Streams
[Pec18, VPCE20]. Street
[MSr+14, NZ21]. Stress
[FC19, KPC19, VGS19]. Stress-Outcome
[FC19, KPC19]. Stressor
[FC19, KPC19]. Stroke
[NS12]. Structural
[BZF+21]. Structure
[Jeo20, KK20, NZZ2, OKH13, TCG19, WC20, ZY20]. Structured
[HS18a, VH16]. Structures
[GKW+10, Sac19]. Structuring
[BML19]. Student
[AGN21, BBK+20, LLZ21, NE21, SSOA+16, ZH21]. Students
[AP21, BM19, Del21, FOJE19, Gao21, Giu18a, HT14, HOPGRV21, LLZ20, VCRCSV+21]. Studies
[ERBL12, HDK+12, MM16, SLY+12, Uto13, YMJ20]. Study
[AMAA+21, AP21, AAC21, ARC+19, BM19, CFV19, DTL+21, FZ15, FGBMG19, Gar12, GLRM19, dPCGMC20, GMMI16, GRA21, HSM19, HMU+21, Hua15, Jl19, JHC+20, KLKA19, KK21, KG18, MPG20, MS20, MK20, MM21, NB21, PD21, PS17, PHG+20, PHGZ20, RCGLS19, SU17b, Sen11, STG+20, SRM20, SJ12, hSglH17, VLMP21, VDE+20, WC17, WL20]. Studying
[ZJX18]. Stuxnet
[BPBF12, Den12]. Style
[FOJE19, Tas10]. Sub
[RD18]. Sub-Network
[RD18]. Subjective
[BS17, HCW20]. Substitute
[RZCL19]. Substring
[SOR16]. Success
[MP20]. Successful
[Hor19]. Suitability
[EvdMB20]. Super
[HWCH12]. Super-Peer
[HWCH12]. Supercomputer
[Kra20]. Supercomputing
[DCHM16]. Supervised
[HXHP17, LTTS21]. Supervision
[HP21]. Supply
[GSL20b, PR20, RK19, YO19, Yiu21a, Yiu21b]. Support
[HCW20, IKP+13, LA20, LSM+12, MKHR21, NLVP12, Ngu19, RK+21, RAK+20, SGR+13, SPB+11, VI16, YWW+19]. Supported
[De21, GSO+10]. Supporting
[FR16, MP13, PFL+12, PH16, SG12, SOR16]. Supports
[WKPC18]. Surface
[DMAS+19, ZWPL19]. Surfaces
[Mat20]. Surgery
[ANAAM21]. Surveillance
[LZS18, LS21, SYZ19, US19]. Survey
[AAAA+21, AI20, Ali20, AMC17, AIPV21, BCM+19a, BBM20, BSEL20, BB17, CPM+19, CBM+20, CMH10, CDFB19, CBB17, CFX20, DLK10, Dua21, EABE19, FK21, FAB+12, FM20b, GZC21, GKS10, GSO+10, HHH20, IZK+20, KGC20, KSA+21, LS21, MDT20, MKK17b, MHS16, ORK+19, PH20, PST+21, SK19, STK21, SRM20, TLM+20, TEE10, VL18b, VSE+21, YZC+20]. Surveying
[LMSC19]. Sustainability
[MNM19]. Sustainable
[OKF19, PPMMS19]. SVD
[ZWW17, ZW17]. Swarm
[ABS20, Tra18]. Swarm-Based
[ABS20]. Swarms
[LLBI18]. SWIM
[LW19, WZLL19, WC20]. Switches
[IZK+20]. Switching
[ENT21]. Sybil
[SFEK18]. Symptom
[RRLT20]. Symptoms
[BBM20]. Synchronization
[BC19]. Synthesizer
[KLKP19]. Synthetic
[LTTS21]. System
[AA21, AMZ+20, ALDS19, ADG+19, BSE+21, COL21, CGM+19, CNC+21, DAMAS+19, FMA+20, FBOC15, GKK+10, GMM16, HZW21, HWCL17, HMR+21, IAG+21, JLZ18, KGR+21, KWI+19, KK20, KP15, LLHW20, LWY+15, LXL+20, LW21, LHW18, LK20, LSM+12, MSN13, MFO+20, Ng19, PPR+20, PPMS19, PLA17, RIS+17, RRT20, RVH17, SSOA+16, SCA+19, SW21b, SOB+19, SOA+20, SHN+19, SH20, SLY+12, TADS20, Tas10, TSZ+18, TPD+20, UUT+19, UAN20, VL20, VSE21, Wan17, ZHZ+19, ZJ18, ZCZ17, ZSZ18, ZGL20]. System-Level
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<thead>
<tr>
<th>Reference</th>
<th>Title</th>
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