

A Complete Bibliography of *Scalable Computing: Practice and Experience*

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08 October 2019
Version 1.11

Title word cross-reference

	4-Input [Saq07]. 4-Input/1-Output [Saq07].
	5L [Mly09].
3 [BDD18, MG19]. <i>n</i> [MRC13]. <i>P</i> [CI13, PSB05, LKHH05]. π [Ahm08].	61131 [RSS+09]. 61131-3 [RSS+09].
-Calculus [Ahm08]. -Dimensional [MG19]. -grade [LKHH05]. -Graph [PSB05]. -manifolds [MRC13].	978 [Che10b, Che10a]. 978-0-12-381472-2 [Che10b]. 978-0-13-138768-3 [Che10a]. = [SR18b].
.NET [Woo07].	ABD [AR09]. Abstraction [NTH11]. Abundance [CT10]. ABVE [Opr14]. ABVE-construct [Opr14]. Accelerating [CHTE15, Oro07]. Acceleration [BDD18]. Access [BCR+11, HKR+11, PM11c, PM11b].
1-Output [Saq07]. 1st [PG11].	
2 [Che10b]. 2nd [PVP11a, PVP11b].	
3 [Che10a, RSS+09].	

according [RSS⁺09]. **Accountant** [SBB⁺07]. **Achieve** [FMB07]. **Acid** [KMMP18]. **Acquaintance** [PCRC07]. **across** [FKSP⁺13]. **ACSys2009** [NFB10]. **Action** [ND19]. **Active** [BP12, BD14]. **Actuators** [MBSC09]. **Ad** [BDY08, Doc09, DSX09, DBX09, MG19, PM05, VK19]. **Ad-hoc** [MG19]. **Adaptation** [KKL05, BAP06, GB09, MP11]. **adapting** [Var15]. **Adaptive** [ABJ05, CH15, FMR14, GTB05, HTC05, HML05, MB14, NAIC11, PBT08, Pou15, SBH05]. **added** [ADVM07]. **Adjustable** [HM07]. **Administration** [DM11]. **ADMIRE** [HST⁺10]. **Admission** [YBY⁺18]. **Advanced** [MS08]. **Advances** [DBX09, KM18]. **Aerosols** [DKK⁺18]. **Affine** [SLK17]. **Afpac** [BAP06]. **age** [KP12]. **Agent** [AWLM07, ACD⁺07, AV14, AN10, Ben13, Cab06, DPG⁺15, EP12, FNCC17, FPSN15, GGKP05, HPS06, LEP15, MMNs12, OdGWB06, PS07, PZ12, RA06, RP05, RCW07, SMGC08, TRI08, VP07, Zha07, ACPF14, AGP⁺13, BKG⁺12, CPM11, GPD⁺09, JDK17, MPG13, NKS14, Opr14, PM11c, QLC06, RF14, SCKM07]. **Agent-Based** [Ben13, AV14, PS07, RCW07, VP07, AGP⁺13, MPG13, Opr14]. **Agent-Client** [GGKP05]. **agent-team-based** [GPD⁺09]. **Agents** [ADVM07, BI14, MJZ06, MOB06, Mor06, Mus13, OOM⁺06, VM10, VAM⁺10, GKP06, RKF13]. **Aggregate** [JVS12]. **Aggregation** [FVB05]. **Agile** [KP12, SSE⁺15]. **Agility** [APFCM12]. **Aglets** [QLC06]. **Agreement** [BSBB19, MOB06]. **agreements** [KW11]. **Aho** [OB19]. **Airborne** [Kor08]. **AIX** [Mly09]. **Algebra** [ANdC17, Bro08, RLA09, BCGH05]. **Algebraic** [MR09]. **Algorithm** [AA19, ABDT16, Azi12, BTGV07, BKH10, DDKK18, FB12, EHHC18, HDA18, HTC05, KGS19, KA19, MDA19, OB19, PS08, Pop11, SR18c, ZSJF15]. **Algorithmic** [AT10]. **Algorithms** [BG09, BGadH06, CM09, IRTK18, Kho07, ME08, PBP06, RNGG07, Ris18]. **Alias** [Woo05]. **Alignment** [EDS⁺15]. **Allocation** [HMS17, SNKS19, MFN14, Mly09]. **AMIGM** [VK19]. **among** [GTL09]. **Analysis** [AB09b, AEKF16, BCR⁺11, BKH10, CG15, EW07, FA18, HR19, JGP07, LS18, LHS07, MK17, OSSS17, PMH⁺16, RNGG07, RWL07, SS18, Saq07, SK17, SPPGP16, TNL⁺12, Woo05, WTLS09, dB06, LBP⁺07, RSM07]. **Analytical** [AGG⁺18, BLHK13, MG19]. **Analytcs** [KS19]. **Android** [SK17]. **Anharmonic** [KMMP18]. **Animal** [VK19]. **Anomaly** [FB12, HU19, HDA18]. **Ant** [PCS⁺11b]. **Ant-inspired** [PCS⁺11b]. **API** [Bro08, Lou17a]. **APP** [TRI08]. **Applicability** [PSB05]. **Application** [CDRV16, DdSGP10, HHML06, LBP⁺07, LKHH05, PDMP10, SSS08, WKS15, ZOBC13, CCD⁺10, MPC09, ZDB⁺13]. **application-driven** [CCD⁺10]. **Applications** [AHS15, AG15, BI14, Bar10, Ben18, BG19, Ben13, BDL06, Cza11, DLT⁺10, DHR17, FMR14, GGG⁺18, GB12, KY19, KAG⁺10, LLS07, MBSC09, QJZS05, Raj18, RFB⁺14, RTV15, DMR⁺16, RPM⁺08, SSS08, SR18a, SK17, SGJN19, SGJ19, STA16, TNL⁺12, VCV08, VAM⁺10, WTLS09, BLRW09, CB07, MCCC10, dMRGJ07, Lee07]. **Applied** [BKL⁺12, KSF11, Saq07]. **applying** [BMD10]. **Approach** [AGK10, Ben13, BKP⁺08, CLM⁺08, DCLR17, DPCA11, DFN16, GMB14, JDK17, KY19, KmWH10, KMMP18, KCD⁺18, LEP15, Mar06, OF10, PCRC07, PCS⁺11a, RCW07, SGJ19, TNL⁺12, BSST13, CCD⁺10, TV05, Che10b, Kho07]. **Approaches** [CG15, JVS12, Pet16, PAD11, SY16, PV14]. **Approximate** [WZS06]. **AQsort** [LTS16]. **ARank** [JDK17]. **architectural** [AHZ14]. **Architecture** [BZ11, FNC16, IPD16, JK17,

JAKP05, LRNP06, MMNs12, PS08, PBT08, GPS14a, MFN14, MRdT07]. **Architectures** [AFGZ16, HYM⁺08, VLNP⁺16]. **Area** [HTC05, LLS07, PD10]. **Area-Time** [LLS07]. **arising** [AR09]. **Array** [LTS16, VM10, TOC18]. **Arrays** [Oro07]. **Art** [TNL⁺12, SK17]. **Artificial** [Kho08, Kul09]. **ARTIST** [MKA⁺14]. **Aspects** [BL07, Lou05, Lou06, Lou17b, MRC13, Pet07]. **Assesing** [ZC19]. **Assessment** [APFCM12, JGP07, JBW⁺15, SK17]. **Astronomical** [JCCC06]. **Asymmetric** [BdFW⁺09]. **Asynchronous** [Bro08]. **Atmospheric** [KMMP18]. **Atom** [KCD⁺18]. **Atom-centered** [KCD⁺18]. **Attack** [DN19]. **Authenticated** [BSBB19]. **Authentication** [AA19, PSSK19, SGG18]. **Auto** [SGJN19]. **Auto-Scaling** [SGJN19]. **AutoAdmin** [YBY⁺18]. **Automata** [Abd06]. **Automated** [BCR⁺11, BCFP13, RKF13, RF14]. **Automatic** [DM11, GHV⁺12, HSB⁺10, PXB09, PCS⁺11b, SPPGP16, YBW⁺17, YRL17, YBY⁺18]. **Autonomic** [FNCC17]. **Autonomous** [EHC18]. **Autonomously** [Var15]. **Autonomy** [HM07]. **Availability** [BLHK13]. **Available** [MG19]. **AVX2** [OB19]. **Aware** [Ben18, MBSS17, OGF10, SBH05, SR18a, SPR10, SGJ19, ZSJF15, BSST13, DBGG19, MLO⁺19, MR09, SY16]. **Azure** [HMS17].

BABD [AR09]. **bacterial** [BKG⁺12]. **bag** [MPC09]. **Balanced** [KGS19, SNKS19]. **Balancer** [RCG16]. **Balancing** [BG09, FBP15, IDU11, KM08, KM19, OAT⁺09, PVP06, PGD⁺11, QJZS05, SNP⁺10, BKL⁺12, CB07]. **Bandwidth** [MG19]. **Bargain** [RF14]. **Base** [CMUM09]. **Based** [ASS08, AK19, Bar10, Ben13, BT12, CLM⁺08, DCLR17, GMP05, HU19, Ism12, JDK17, KY19, KKKK16, KA19, MOB06, ND19, NSJ⁺19, NDGL12, OF10, PSSK19, RP05, DMR⁺16, RPP06, SMH06a, SH08, Var15, VRK19, Zha07, dB06, AHZ14, AASB08, ACD⁺07, Alo18, AGPAK17, AV14, ACPF14, AN10, ANG⁺18, AGP⁺13, ADVM07, APFCM12, BLRW09, BCFP13, BEEY10, BDD18, BTGV07, BKG⁺12, BR06, BKH10, Cab06, CDRV16, Cza11, Cza12, DdSGP10, DLT⁺10, DBGG19, DPCA11, FNC16, FBLF11, GPD⁺09, GMB14, GTB05, GB09, HDA18, HKV05, JBW⁺15, JK16, KD19, LLS07, LEP15, MDA19, MRM⁺16, MB14, MPG13, MP11, Mor06, MCCC10, MRdT07, Opr14, PS07, Pet06, PZ12, PM11b, Pop11, RKF13, RCW07, SE16, SSM19, SL14, SV19, SDK⁺10, VP07, VAM⁺10, vNMKB05]. **Basic** [RLA09]. **BDI** [MZdCML07]. **Bed** [AMS06]. **BeesyCluster** [Cza11]. **Behavior** [LMPQ09, LS11]. **Behaviour** [OGF10]. **Beliefs** [LS11]. **Benchmarking** [ARV13, HHML06]. **Benchmarks** [ARV13]. **Between** [BZ09]. **Beyond** [ASBW11, LB15]. **Big** [IRTK18, IPD16, KS19, SSO18]. **Binary** [CCD⁺09]. **Bio** [Kul09]. **Bio-Inspired** [Kul09]. **Bioengineering** [STA16]. **Bioinformatics** [Gu07, HHML06, LBP⁺07]. **biologically** [SBB⁺07]. **Biology** [AHS15]. **biomedical** [FAW⁺16]. **Biomedicine** [CC15]. **Biomolecular** [VP07]. **Blockchain** [SV19]. **Blocks** [LS18]. **Blood** [GAM16]. **Blue** [KHV11]. **boarding** [FKSP⁺13]. **Bonding** [NSJ⁺19]. **Book** [Ahm06, Ahm08, Che10b, Che10a, Doc09, Kho07, Kho08, Kul09, Lan07, Lan08, Lee07, Mar06, Oro07, Woo07]. **bootstrapping** [BMD10]. **Boundary** [CM09]. **bounded** [GMW05]. **BPEL** [BCFP13]. **BPEL-based** [BCFP13]. **BPM** [KP12]. **Broadcasting** [BDaS10]. **Brokering** [AV14, AV15, AGP⁺13]. **BSP** [Mar06]. **BSPlib** [Lou17a]. **BSPlib-style** [Lou17a]. **Buffering** [BCS07]. **Build** [JRML07]. **Building** [BdSI15, LS11, Ran05]. **Bulk** [Gav05, Lou17a]. **Bulk-Synchronous** [Gav05]. **Bus** [dB06]. **Business**

[FBLF11, SSS08, VPPL12, RF14]. **BVPs** [AR09].

C [LLS07]. **C-based** [LLS07]. **Cache** [MC18, SBH05]. **CAFL** [MDA19]. **Calculations** [ANdC17]. **Calculus** [Ahm08, Rah06]. **Capability** [LH17]. **Carbon** [SE11]. **carbonates** [BFZK18]. **Care** [KKKK16]. **Carrier** [AGK10, VM10]. **Carry** [CG15]. **Case** [BKP+08, DO05, KMMP18, LCV13, SST08, VLKJ17, FKSP+13]. **Cases** [MBSC09, YBI+09]. **Catalogues** [MRC13]. **CC** [SR18b]. **Cell** [GAM16]. **centered** [KCD+18]. **Centers** [JK17]. **Centre** [APC+13]. **centred** [BSST13]. **centric** [ZDB+13]. **Ceph** [MM16]. **Certification** [Kor08]. **CFD** [FMR14, PVP06]. **Chain** [APFCM12]. **chains** [BSST13]. **Challenges** [GGJGT+12, GA15, HAA19, MAJLMJ17, Pet05, Raj18, RP05, SBL+11, ZC19, Cza12]. **Changes** [MM16]. **Channel** [MLO+19]. **Characterization** [MBSC09]. **Checkpointing** [KKKK16, RNGG07, SY16, MB14]. **Chemistry** [KMMP18]. **Cheque** [SV19]. **Chicken** [CJ07]. **Chip** [MLO+19, MR09]. **Chips** [FRD+08]. **Chord** [BKH10, GMB14, GMB14]. **Chord-based** [BKH10, GMB14]. **Churn** [LVMV10]. **Churn-Tolerant** [LVMV10]. **Circuits** [IDU11]. **civil** [Opr14]. **Class** [WZS06]. **Classifying** [FY15]. **Clearing** [SV19]. **Client** [GGKP05]. **Climate** [DKK+18, GGG+18]. **Climatology** [KM18]. **Clock** [BDD18]. **closeness** [MPG13]. **Cloud** [Alo18, AV14, AV15, ARV13, AEKF16, APFCM12, BG19, Ben13, BBG17, BLHK13, CC15, CDRV16, CG15, DN19, DFN16, FCPV13, FY15, GA15, HMS17, IRTK18, JDK17, JK17, JBW+15, KY19, KGSN19, KGS19, KM19, KSSP16, KA19, LH17, MMD+15, MM16, PDMP10, Raj18, RFB+14, RTV15, SS18, SGG18, SY16, SGJN19, SGJ19, SR18c, SR18b, SD19, VRK19, VCFP13, WMVP14, ZDB+13, Cza12, MFN14, MB14, CGBG15, CFMN12, GGJGT+12, GVJ11, HKR+11, KP12, MDA12, NTH11, NDGL12, PP11, Pet12, SBL+11, TNL+12]. **Cloud-based** [JBW+15, Cza12]. **Cloudflow** [FAW+16]. **cloudification** [MKA+14]. **Cloudlet** [SR18c]. **CloudLightning** [DFN16]. **Clouds** [BdSI15, BMD10, DMP13, VPPL12, FKSP+13, PV14, ASBW11, ZD11]. **Cluster** [BLHK13, BDY08]. **Clustering** [KY19, KGS19, MDA19, SR18a]. **Clusters** [HGS17, QJZS05, RLA09, WTLS09, YBY+18]. **CMP** [WTLS09]. **co** [TOC18]. **co-array** [TOC18]. **Code** [BR06, HSB+10, RPP06]. **Codes** [PVP06]. **Coding** [MS08]. **Cognitive** [BPB+12]. **Coherence** [JBW+15]. **coil** [RSM07]. **coiled** [RSM07]. **coiled-coil** [RSM07]. **Collaboration** [FBLF11, CA18, GMPS14]. **CollaborationBus** [GM10]. **Collaborations** [CBA+14]. **Collaborative** [IDU11]. **Collective** [CH15, Pou15, WKS15]. **Combination** [Son09]. **Combining** [SSE+15]. **Commerce** [ZOBC13]. **commodity** [HDSY07]. **Communication** [Bar10, GS17, GGKP05, Kor08, RWL07, SY16, SPSK17, Zha07, BKG+12]. **Communication-aware** [SY16]. **Communications** [Bar10, DLT+10]. **Communities** [Ran05, BKG+12, SDK+10]. **community** [VE18]. **Comparative** [CHTE15, RSM07]. **compared** [HDSY07]. **Comparison** [EDS+15, Woo07, TOC18]. **Compeer** [PM05]. **Complex** [DHR17, GM10, Kho08, LPJ16, VLZAP17]. **Complexity** [LS07, Saq07]. **Component** [BZ11, DLT+10, BAP06, GB09]. **Component-based** [DLT+10, GB09]. **Components** [BP12]. **Composite** [GB12, JVS12]. **Composition** [Cab06, DCLR17, PAD11, PCS+11b, PCS+11a]. **comprehensive** [GGJGT+12].

Computation[CS07, Mar06, Oro07, YBW⁺17].**Computational** [BZ09, EW07, MRC13, RLA09, DMR⁺16, SW05, XB09].**Computationally** [HM07]. **Computations** [Pap08b, Pet05, Stp06, AASB08, CCD⁺09].**Compute** [Abd06, Cza11]. **Computer**[HGS17, Lan07, PM11a]. **Computers**[Mat17, TWC16]. **Computing**[AAVS07, ASBW11, APFCM12, BdFW⁺09, BGadH06, CC15, DdSGP10, DBBR19, DPCA11, ETR11, FNCC17, FCPV13, GA15, GS17, GVJ11, GMP05, GM10, HPBG05, HMS17, IRTK18, JDK17, JK17, JAKP05, KY19, KGSN19, KGS19, Kow06, LPJ16, Lee07, Lud07, NRP19, Oro07, PVP06, Pet06, Pet07, PCMF08, PDMP10, PP11, PB08, PD09, Pou15, PPC19, PBT19, RCG16, Ris18, RSM⁺08, SY16, SBL⁺11, SBBS17, SNKS19, SGJ19, STA16, SR18c, SR18b, TL05, VLNP⁺16, VLZAP17, VM10, Woo05, dB06, BDRH07, DLB⁺10, KW11, LBP⁺07, MPC09, MB14, MRdT07, NTH11, SDZ14].**Computing-based** [APFCM12]. **concept**[PM11b]. **Concerning** [Pet05].**concurrency** [GMW05]. **Concurrent**[Mus13, Ols17]. **Condensed** [JM08].**Condition** [WMVP14]. **Condition-Event**[WMVP14]. **Conditioning** [CM09].**Configurations** [GM10]. **Confined**[MBSC09]. **Conflicting** [SE16].**Congestion** [SPR10]. **Connectivity**[DSX09]. **considerations** [AGP⁺13].**Considering** [MG19, SLK17, YBI⁺09].**Consistency** [RNGG07, BAP06].**Consolidating** [APC⁺13]. **Constrained**[AT10, JMQ⁺10]. **Constraint**[ASS08, BCG15]. **Constraint-Based**[ASS08]. **constraints** [MPN12]. **construct**[Opr14]. **Constructs** [LCV13]. **Content**

[Bar10, FR08, Hos05, KD19, RPP06,

SSE⁺15]. **Content-Based**[Bar10, RPP06, KD19]. **Context**

[BSST13, FVB05, OGF10, OF10].

Context-Aware [OGF10, BSST13].**Continuous** [NRS⁺05, BD14]. **Control**[BCR⁺11, BP16, BT12, BKL⁺12, GHV⁺12, MBSC09, PM11c, QJZS05, YBY⁺18, BD14, PM11b]. **controllers** [RSS⁺09].**Convolutional** [MSS17]. **cooperation**[BKG⁺12]. **Cooperative** [CJ07, BSST13].**coordinated** [MB14]. **Coordination**[HPBG05]. **Coprocessor** [BB18].**coprocessors** [DLB⁺10]. **Corasick** [OB19].**CORBA** [GTB05]. **CORBA-based**[GTB05]. **Core**[PB08, VLNP⁺16, YRL17, HYM⁺08]. **cores**[MS08]. **Corporate** [VCV08]. **correcting**[MRdT07]. **Corrective** [GHV⁺12].**Correctly** [Ols17]. **Cost** [RTV15]. **Coterie**[FMB07]. **Course** [Alo18]. **CPS** [SPSK17].**CPU** [BB18]. **CPU-MIC** [BB18].**Creating** [GM10]. **Criteria** [RNGG07].**Crowd** [PPC19]. **Cryptosystem** [KD19].**CUDA** [SK10, Che10a]. **CUDAs** [KMM15].**Cultural** [CA18, KM18]. **Current**[AFGZ16, WKS15]. **Custom** [ARV13].**Cyber**[GS17, LH17, MAJLMJ17, YBW⁺17].**Cyber-Physical**[GS17, MAJLMJ17, YBW⁺17]. **Cycles**[NRS⁺05].**D** [BDD18]. **Data**[AT10, APC⁺13, ABJ05, AN10, ANG⁺18, AGG⁺18, CT10, CHTE15, CG15, DBGG19, DS18, DM11, ETR11, FT05, HST⁺10, HGS17, HHK⁺05, HKV05, IRTK18, IPD16, JK17, KGSN19, KKL05, KS19, KD19, Lan08, LMPQ09, MK17, MLO⁺19, MSS17, MRM⁺16, MWWW11, PIP⁺15, SS18, SGG18, SSBO18, SLK17, SR18a, SJ07, TL05, YBW⁺17, CC14, GMPS14, GBS18, SBH05].**Data-Flows** [MLO⁺19]. **Data-Intensive**[TL05]. **Data-Stream** [AN10]. **Database**[Hos05]. **Datacenters** [IRTK18]. **Datasets**[HDA18, SH08]. **Datastores** [CFMN12].**David** [Che10b]. **debugging** [TV05].

decentralized [CC14]. **Decision** [AV14]. **Declarative** [BCR⁺11]. **decomposition** [HDSY07]. **Dedicated** [NRS⁺05]. **Deep** [MSS17, WH08]. **DEEPG** [BM11]. **Default** [MJZ06]. **Defined** [AK19]. **Degree** [SR18c]. **Delay** [HR19]. **Delay-Tolerant** [HR19]. **Delegation** [FKSP⁺13]. **deliver** [ADVM07]. **delivery** [NKS14]. **demand** [MPC09]. **Denial** [DN19]. **Density** [HDA18, KCD⁺18]. **Density-based** [HDA18]. **Dependability** [PGD⁺11]. **Dependable** [DPC09, DPCA11]. **Dependencies** [ZLKK16, GTL09]. **dependent** [KCD⁺18]. **Deployment** [BBG17, MPTG09]. **Derivatives** [BFZK18]. **Derived** [BCS07]. **Deriving** [VCV08]. **Describing** [PCRC07]. **Description** [HU19]. **Design** [BKH10, FR07, OSSS17]. **Designing** [ZOBC13]. **Designs** [Saq07]. **Desktop** [SE11]. **Desktop-Grids** [SE11]. **Detailed** [HU19]. **Detection** [DN19, HU19, HDA18, MSS17, MRdT07, VE18]. **Developing** [BP12, RFB⁺14]. **Development** [ARV13, CDRV16, GPD⁺09, LKHH05]. **Developments** [PB08]. **Device** [GAM16, PMH⁺16]. **devices** [BD14, dMRGJ07]. **Devoted** [AB09a]. **Dew** [RCG16]. **DHR** [WS07]. **DHR-Trees** [WS07]. **diabetic** [LBP⁺07]. **Diagnostic** [PSB05]. **DICOM** [GBS18]. **different** [GTL09]. **Differential** [YRL17]. **Difficulty** [Alo18]. **Digital** [CA18, DEBM12, KM18]. **Dilemma** [AFGZ16, CLM⁺08, CJ07]. **Dimensional** [HDA18, MG19]. **Directions** [PP11, SGJN19, GPD⁺09]. **Directory** [Mor06]. **Disasters** [SH08]. **Discovering** [FR08]. **Discovery** [BM11, BDY08, DS18, GMB14, Hos05, JAKP05, LEP15, LRNP06, SR18c]. **Discrete** [CS07]. **Disk** [CMUM09]. **Distance** [ND19]. **distortion** [MRdT07]. **Distributed** [APPR10, AV14, AV15, AG15, BBJMR09, BDL06, BCG15, BT12, BKL⁺12, BP12, CS10, CHTE15, DdSGP10, DCLR17, DN19, DPC09, FT05, GP08, HST⁺10, Hos05, HSB⁺10, IDU11, KME17, KSSP16, LMPQ09, Lee07, MC18, Mat17, NKKV05, NRS⁺05, Pet07, PM11c, PD09, PD10, PGD⁺11, Pop11, RWL07, RPP06, RvSV16, STA16, SNP⁺10, SJ07, SH06, WS07, WTV05, YBW⁺17, Zal09, ZD11, Cza12, BS05]. **Distributed-Memory** [Mat17]. **Distribution** [ETR11, HTC05, VRK19]. **Documents** [MVV08]. **Domain** [BBM15, KSF11]. **Down** [PCRC07]. **Download** [BBJMR09]. **DPSIW** [DBGG19]. **DR** [BBG17]. **DR-SWDF** [BBG17]. **DREAMCLIMATE** [VIJ⁺18]. **Driven** [GRY⁺09, KS19, MDA12, CCD⁺10]. **Dropouts** [LS07]. **drug** [NKS14]. **Dual** [BM11]. **during** [BAP06, TV05]. **Dust** [DKK⁺18]. **Dynamic** [Alo18, BdFW⁺09, BT12, CDS05, DSX09, FMB07, FPSN15, Hos05, KKKK16, KMMP18, MK17, SNKS19, YBY⁺18, ZL06, CB07, CC14, Mly09]. **Dynamically** [BBG17, HYM⁺08]. **Dynamics** [AAVS07, ANG⁺18, BFZK18]. **e-business** [RF14]. **E-CAFL** [MDA19]. **e-Cheque** [SV19]. **e-Commerce** [ZOBC13]. **E-DPSIW-FCA** [DBGG19]. **e-Health** [BP16, SG16]. **E-Infrastructures** [KM18]. **e-Services** [DM11]. **e-System** [DM11]. **E.V.E.** [FS05]. **EA** [Ben18]. **Early** [RTV15]. **Edge** [DBBR19, NRP19, PBT19, PD09]. **Editing** [GM10]. **Editorial** [EW07, Kow06, Lud07, NRP19, Pap05, Pap08a, Pet05, Rah06, Ran05, Sed07, SH06, dMRGJ07]. **Editors** [RS05]. **Educational** [PBT08]. **Edward** [Che10a]. **EEG** [JK16]. **Effect** [DKK⁺18, MPN12]. **effectiveness** [ACPF14]. **Efficiency** [DDL⁺15, FCPV13, SE11, YBI⁺09, YRL17]. **Efficient** [AK19, ANdC17, BDaS10, CCI11, EHHC18, GLD06, HYM⁺08, KME17, Mat17, MBSS17, Sen10, SK19, SSM19, SL14, vNMKB05, PXB09]. **EGEE** [HHML06]. **Eigenvalue** [BTGV07]. **EKG** [DDKK18].

Elastic [SD19]. **Electromagnetic** [BTGV07]. **Electronic** [JVS12]. **Element** [TOWC15, TOC18]. **Elements** [EW07]. **Elevant** [KMMP18]. **ELL** [NRLT13]. **ELL-i** [NRLT13]. **Embedded** [GRY⁺09, KSF11, LMPQ09, MPTG09, VLKJ17, GB09]. **Emergent** [OGF10, XB09]. **Empirical** [SMH06a]. **Enable** [JVS12, DPT13]. **enabled** [KS19, SDK⁺10]. **Enabling** [CA18, FNCC17, Hos05, MRM⁺16, MDA12, NRP19, FAW⁺16, CBA⁺14]. **Encryption** [SGG18]. **End** [SPR10]. **End-to-End** [SPR10]. **Energy** [ANdC17, DDL⁺15, DBGG19, EHHC18, MBSS17, SSM19, YRL17, ZSJF15]. **Energy-Aware** [ZSJF15]. **Energy-Efficient** [EHHC18]. **Enforcing** [BAP06]. **Engine** [FP10, RPP06]. **Engineering** [AHZ14, GRY⁺09, MDA12, SSE⁺15, TNL⁺12, Opr14, SDK⁺10]. **Enhanced** [MDA19, SGG18, YRL17]. **Enhancing** [SCKM07]. **Enol** [BFZK18]. **Enol-carbonates** [BFZK18]. **Ensemble** [ND19]. **Enterprise** [BKP⁺08, Woo07]. **Enterprises** [SST08]. **entreprise** [Opr14]. **Environment** [AEKF16, BGadH06, BKL⁺12, CS10, CHTE15, DS18, FY15, GGG⁺18, GM10, HPBG05, KY19, KSSP16, LdDK06, MMNs12, NRS⁺05, PBP06, RWL07, SS18, SGG18, SD19, VRK19, ADD07, GC18, KW11, LKHH05, RF14, RSS⁺09]. **Environments** [FP10, KME17, MFPL18, OdGWB06, PVP06, PGD⁺11, SMGC08, SW05, WMVP14, SDZ14]. **Equations** [KM08]. **equipment** [BD14]. **equivalent** [AGP⁺13]. **Era** [BKP⁺08, KGSN19]. **ERCTP** [SPR10]. **ERP** [SCKM07]. **Establishing** [MPG13, SK19]. **Estimation** [Alo18, LCV13, LLS07, MS08, MG19]. **Evaluating** [BCGH05, SSBO18, VCFP13]. **Evaluation** [BR10, BB18, DPC09, GB12, Rah06, YBI⁺09, ACPF14]. **Event** [CS07, WMVP14, YBI⁺09, BLRW09]. **Evolution** [JMQ⁺10, YRL17]. **Evolutionary** [LCV13]. **Exact** [IRTK18]. **Example** [Che10a, SK10, WH08]. **Excellent** [KM18]. **Exchange** [OGF10]. **Executable** [Pom05]. **Executed** [PVP06]. **Execution** [ARV13, BKL⁺12, HML05, MK17, MRM⁺16, SS18]. **expandable** [ADD07]. **Experience** [DMP13]. **Experiences** [CCD⁺09]. **Experimental** [BB18, Pet06]. **Experiments** [GHJ⁺08]. **Expert** [Ahm06, RGGG07]. **Exploitation** [BPB⁺12, FVB05, NRS⁺05]. **Exploiting** [CT10, MJZ06]. **Exploration** [ABDT16]. **Exploratory** [SST08]. **Exploring** [VM10]. **Exposing** [DFN16]. **Extending** [GMW05, JBW⁺15]. **Extensible** [RvSV16]. **Extension** [BZ11, CDS05, PSB05]. **External** [Gav05]. **Extreme** [PIP⁺15]. **Facilitating** [BMD10]. **Facilities** [GVJ11]. **Factor** [PSSK19, VRK19]. **Factorisation** [BB18]. **Factorizations** [AB09b]. **Failures** [BS05]. **Family** [Rah06]. **Fariness** [SDZ14]. **Fast** [JMQ⁺10, AGK10]. **faster** [FAW⁺16]. **FastFix** [GHV⁺12]. **Fault** [FBP15, EHHC18, GLD06, IDU11, JAKP05, Mor06, RPM⁺08]. **Fault-Tolerant** [EHHC18, GLD06, JAKP05, Mor06]. **FCA** [DBGG19]. **FCA-based** [DBGG19]. **Federated** [KSSP16, MRM⁺16, MFPL18]. **federation** [FKSP⁺13]. **Feedback** [QJZS05, AHZ14]. **FEM** [DHR17]. **Fiber** [dB06]. **Field** [Oro07]. **Field-Programmable** [Oro07]. **File** [CCI11, HTC05, LVMV10, MRM⁺16, NRP19, PD09, PD10, VCFP13]. **Filtering** [AWLM07, FY15]. **Finding** [PS08]. **Finite** [TOWC15, TOC18]. **Firefly** [PCS⁺11a]. **Firefly-inspired** [PCS⁺11a]. **First** [Mar09]. **fixed** [NRLT13]. **Flexible** [CCI11, JK17]. **Flocking** [WKS15]. **Flow** [BP16, CHTE15, MK17, TWC16, TOWC15, TOC18]. **Flows** [CHTE15, MLO⁺19]. **Fog** [DBBR19, KS19, NRP19, PBT19, SNKS19, SD19].

Fog-Cloud [SD19]. **Folksonomy** [VCV08]. **Footprint** [SE11]. **Footprints** [LS18]. **Foraging** [ZSJF15]. **Forecasting** [CDS05]. **Form** [PXB09, VCV08]. **Formal** [GRY⁺09, GA15, GAM16, NKS14, PMH⁺16, Rah06, SPSK17]. **Formalization** [AHS15]. **Format** [RPR12]. **Formats** [SL14]. **Formic** [KMMP18]. **Forming** [DKK⁺18]. **Formula** [LCV13]. **Formulation** [ASS08]. **FORTRAN** [TOC18]. **forward** [SBB⁺07]. **forward-time** [SBB⁺07]. **Forwarding** [BDaS10, Mor06, NSJ⁺19]. **foster** [GMPS14]. **Foundational** [PS07]. **FPGA** [HDSY07, LLS07]. **FPGAs** [Saq07]. **Fragmentation** [VCFP13]. **Framework** [Alo18, ARV13, APFCM12, BPB⁺12, BCR⁺11, Ben18, BBG17, BMD10, DPC09, ER18, GBS17, HU19, HML05, LH17, MBSS17, MOB06, OAT⁺09, PCS⁺11b, SV19, ZL06, CFMN12, GGJGT⁺12, GB09, MKA⁺14, MP11, QLC06]. **Frameworks** [CG15, IPD16, SSBO18]. **Freenet** [DO05]. **Frequency** [BBM15]. **Frontiers** [EW07]. **Functional** [EW07, GMW05]. **Fusion** [CHTE15]. **Future** [BPB⁺12, NRP19, SGJN19, dMRGJ07]. **Fuzzy** [ASS08, MDA19].

G [OPM06]. **G2** [OPM06]. **Game** [CJ07]. **Games** [LS07]. **Gate** [Oro07]. **Gateway** [BR10]. **Gathering** [Ols17]. **Gene** [KHV11]. **Gene/P** [KHV11]. **General** [BR10, Che10a, SK10]. **General-Purpose** [Che10a, SK10]. **Generalized** [GPS14b]. **generated** [MPN12]. **Generating** [GBS17]. **Generation** [HSB⁺10, MRC13, SPPGP16]. **Generative** [OdGWB06]. **Generic** [DHR17]. **Genetic** [PBP06]. **genetics** [SBB⁺07]. **Genome** [EW07, RSM07]. **Genome-scale** [EW07]. **Genome-wide** [RSM07]. **Genomic** [CG15]. **Genomics** [CHTE15, EW07]. **Geographically** [KM19]. **Geometric** [PM11a]. **Geometry** [DMR⁺16]. **Georgia** [DKK⁺18]. **Gladwell** [AB09a]. **Global** [BT12, BKL⁺12, FBP15, JAKP05, MRM⁺16, ZD11, CS07]. **Go** [OOM⁺06]. **Goodput** [YBI⁺09]. **Gossip** [Pop11]. **Governance** [CFMN12, KS19]. **GPN** [AMS06]. **GPU** [Che10a, BDD18, GC18, JK16, KMM15, SK10]. **GPU-based** [BDD18, JK16]. **grade** [LKHH05]. **Graph** [DCLR17, DSX09, OF10, PSB05]. **Graph-Based** [OF10]. **Graphs** [Alo18, JM08]. **Gravity** [FB12]. **Great** [AMS06]. **Green** [PPC19, SE11]. **Grid** [AGK10, FMR14, AGP⁺13, HPBG05, AASB08, ATML06, ABJ05, Azi12, BM11, BEEY10, CMUM09, CS10, GPD⁺09, GVJ11, HKV05, JCCC06, KAG⁺10, KKL05, Gow06, LVMV10, LHS07, PDMP10, PP11, Ran05, RCW07, RPM⁺08, SW05, SDK⁺10, vNMKB05]. **Grid-based** [HKV05]. **Grid-enabled** [SDK⁺10]. **Grids** [NAIC11, RP05, SE11, CC14, CT10, HML05, JRML07, JAKP05, Pap08b, Pet05, Stp06, vLAV05]. **GridWay** [HML05]. **Group** [BSBB19, MCCC10, VK19]. **Group-based** [MCCC10]. **Grouping** [SR18a]. **Guest** [RS05]. **GVT** [CS07].

Hadoop [LB15, YBY⁺18]. **Hands** [Che10b, KmWH10]. **Hands-on** [Che10b, KmWH10]. **Haskell** [ATML06]. **Having** [SR18a]. **HBaseSI** [ZD11]. **Healing** [GHV⁺12, FNC16]. **Health** [BP16, KKKK16, SG16, SE16, CGBG15]. **Healthcare** [CC15, DBBR19, MBSC09]. **Heap** [BM11]. **Helpful** [LS11]. **Heritage** [CA18, KM18]. **Heterogeneity** [ATML06]. **Heterogeneous** [HU19, HGS17, KAG⁺10, OdGWB06, PVP06, RLA09, SPR10, ZLKK16]. **HeteroPBLAS** [RLA09]. **Heuristic** [IRTK18, PVP06]. **Heuristics** [JMQ⁺10]. **Hiding** [KD19]. **Hierarchical** [HHK⁺05, SR18a]. **High** [Bar10, BL07, BDRH07, DLB⁺10, FMB07, GRY⁺09, HDA18, HMS17, LPJ16, Lou05,

Lou06, Lou17b, Lud07, Pom05, PD09, PPC19, VLZAP17, VAM⁺10, Woo05, KW11, SDZ14].

High-Level [BL07, Lou05, Lou06, Lou17b, Pom05].

High-Performance [GRY⁺09, PPC19, Woo05, KW11].

Historical [dB06]. **Hoc** [BDY08, Doc09, DBX09, PM05, DSX09, MG19, VK19].

Homogeneous [MDA19]. **Horizontal** [RCG16]. **HPC** [ANdC17, BCS07, DFN16, FB12, MRC13, RTV15, VLKJ17].

HPC-Embedded [VLKJ17]. **HTTP** [DN19]. **Huge** [TOWC15]. **Human** [PXB09]. **Human-intuitive** [PXB09]. **Hwu** [Che10b]. **Hybrid** [Ben13, BB18, CM09, KGS19, KHV11, PCS⁺11a, SGG18, VRK19, ZDB⁺13].

Hyperspectral [SPPGP16].

I/O [MC18, QJZS05]. **I/O-** [QJZS05]. **IaaS** [BdSI15, BCFP13]. **Ian** [AB09a]. **IBM** [Mly09]. **IDC'2009** [NFB10].

Identification [AK19, EW07, RSM07]. **Idle** [NRS⁺05]. **IEC** [RSS⁺09]. **Image** [Bar10, GPS14a, JCCC06, MC18]. **Images** [BBM15]. **Impact** [BG09, DO05, DSX09, HMS17, HR19, ME08, MM16, SE11].

Implementation [Abd06, BTGV07, BR10, HYM⁺08, LRNP06, Mat17, OB19, RCG16].

Implementing [BDL06, CS10, AHZ14].

implicit [Jay09]. **Improve** [FCPV13, RPR12, DMR⁺16].

Improvement [AAVS07, PMH⁺16].

Improving [MFPL18]. **In-Place** [LTS16].

Incorporating [MZdCML07]. **Indexing** [PBT08, SS18, WS07]. **Industrial** [FNC16].

inexpensive [NRLT13]. **InfiniBand** [FR07].

Influence [PBT19, Mly09]. **Influenza** [JGP07]. **Information** [AWLM07, BP16, JCCC06, KD19, MJZ06, OGF10, SG16, Woo07, GPD⁺09, GBS18, PM11b].

Informations [PM11c]. **Infrastructure** [ADVM07, Pet16, SCKM07, YBW⁺17].

Infrastructures [Cab06, KM18, Ris18, RvSV16]. **initial** [AGP⁺13]. **initiation** [CPV13]. **Input** [TWC16]. **Input/1** [Saq07]. **Inspired** [FP10, Kul09, VK19, APC⁺13, PCS⁺11b, PCS⁺11a]. **Instead** [Pap05]. **Integrated** [ANG⁺18, GHJ⁺08]. **Integrating** [DHR17].

Integration [Cza12, HST⁺10, LdDK06, MWWW11, SMGC08]. **Intel** [Mar09, OB19].

Intelligence [GBS17, Kho08, Kul09, SCKM07].

Intelligent [GP08, GPD⁺09]. **Intensive** [Cza11, DDBG19, QJZS05, SR18a, TL05].

Intention [Var15].

Intention-Propagation-Based [Var15].

Interaction [ACD⁺07]. **interactions** [MCCC10]. **Interactive** [ANG⁺18, MPC09].

Intercommunicating [SD19].

Interconnected [PBP06]. **Interest** [SR18a].

International [VPPL12]. **Internet** [BPB⁺12, BR10, CPV13, DEBM12, GGKP05, GMP05, KSF11, MFN14, SSS08, ZC19]. **Internet-Based** [GMP05].

Interoperability [FBLF11, PMH⁺16].

Interprocessors [DDKK18]. **Intrinsic** [SLK17].

Introduction [APPR10, AB09a, AG15, BI14, BG19, BL07, BDRH07, CBA⁺14, CH15, CGBG15, Che10a, DdSGP10, DPG⁺15, FB13, FKK08a, For14a, For14b, Fri13, GP08, GS17, GMP05, Gu07, HAA19, HPS06, KM18, Lan07, Lan08, LPJ16, Lou05, Lou06, Lou17b, NFB10, NZ13, NKKV05, NRG13, ÖS12, PS07, Pap08b, Pet07, PDMP10, PG11, PP11, PZ12, Pet16, PB08, RA06, Raj18, RS05, SG16, SK10, SBBS17, STA16, Stp06, Tud09, VLZAP17, VPPL12, XB09, Zal09].

Intrusion [HU19]. **intuitive** [PXB09].

Inventory [AGPAK17]. **Inverse** [WZS06].

Inversion [FB12]. **Investigation** [BD14, BLHK13]. **Invocation** [Ols17]. **IoT** [BG19]. **Irinotecan** [KCD⁺18]. **IRISGrid** [HHML06]. **IRISGrid/EGEE** [HHML06].

ISBN [Che10b, Che10a]. **ISBN-13** [Che10a]. **Isolation** [ZD11, BD14]. **Issue**

[APPR10, AG15, BI14, BG19, CBA⁺14, CH15, CGBG15, DdSGP10, DPG⁺15, FB13, For14a, For14b, Fri13, GS17, HAA19, KM18, LPJ16, Lou17b, NRP19, NZ13, NRG13, ÖS12, PG11, PP11, PZ12, Pet16, Raj18, Ris18, SG16, SBBS17, STA16, VLZAP17, VPPL12, AB09a, BL07, BDRH07, FKK08a, GP08, GMP05, Gu07, HPS06, Lou05, Lou06, NFB10, NKKV05, PS07, Pap08b, Pet07, PDMP10, PB08, RA06, Stp06, Tud09, XB09, Zal09]. **Issues** [KGSN19, RP05]. **Iterated** [CJ07].

J2EE [Woo07]. **JADE** [FNCC17]. **Jadex** [BP12]. **Jason** [Che10a]. **Java** [BCS07, BR06, BGadH06, RWL07, WTV05, Woo05, vNMKB05]. **Java-based** [BR06, vNMKB05]. **JikesRVM** [QLC06]. **Job** [MRM⁺16]. **Jobs** [CCD⁺10, KKL05, OPM06, MPC09]. **Join** [Mus13]. **Joint** [HHML06]. **JR** [Ols17]. **JuxMem** [ABJ05].

Kalray [VLKJ17]. **Kandrot** [Che10a]. **Key** [BSBB19, VRK19, BSST13]. **Kirk** [Che10b]. **Klaim** [BDL06]. **Knowledge** [AK19, BKP⁺08, GHJ⁺08, SST08]. **Kutta** [Jay09].

Lanczos [BTGV07]. **Lanczos-based** [BTGV07]. **Languages** [Lan07, Rah06, GMW05]. **Large** [BDD18, CMUM09, HHK⁺05, HSB⁺10, JCCC06, JGP07, JRML07, LSTD14, Pap08b, Pet07, PGD⁺11, Pop11, Stp06, ZSJF15, AASB08, TOC18]. **Large-Scale** [CMUM09, JCCC06, JGP07, LSTD14, Pet07, AASB08]. **Latency** [Bar10, ME08]. **Layer** [BCS07, HYM⁺08, SPR10, NTH11]. **LEACH** [MBSS17]. **Learning** [PBT08, KD19]. **Level** [BL07, Lou05, Lou06, Lou17b, PSB05, Pom05, TL05, CB07, KW11, ZLKK16]. **Leveraging** [QLC06]. **Library** [FS05]. **Life** [KM18, WKS15]. **Lifecycle** [CFMN12].

Lightweight [VCV08]. **like** [CCD⁺09]. **Linear** [ANdC17, Bro08, MR09, RLA09, WZS06, AR09]. **Link** [BDY08]. **Link-cluster** [BDY08]. **links** [MPN12]. **List** [FSS08]. **Literary** [SK17]. **Lithuania** [GVJ11]. **Load** [BG09, BKL⁺12, FBP15, IDU11, KM08, KM19, KA19, OAT⁺09, PVP06, PGD⁺11, SNP⁺10, SR18c, CB07, GTL09]. **Load-Balancing** [PGD⁺11]. **Locality** [SLK17, SR18a]. **Localization** [Son09]. **Loci** [ZL06]. **Lock** [ME08]. **Logic** [ACD⁺07, MDA19]. **Logic-based** [ACD⁺07]. **Loops** [SLK17, ZLKK16, AHZ14]. **low** [HDSY07]. **LU** [BB18, HDSY07].

M [SE16]. **M-health** [SE16]. **Machine** [KD19, PXB09, YRL17]. **Machine-efficient** [PXB09]. **Machine-learning** [KD19]. **Machines** [EDS⁺15, Lan07]. **Maintenance** [GHV⁺12]. **Majority** [BEEY10]. **Maker** [AFGZ16]. **Malicious** [BEEY10]. **Malware** [GBS17]. **Management** [APPR10, AGPAK17, BPB⁺12, BKP⁺08, FCPV13, FY15, MRM⁺16, MFPL18, PM11b, Pop11, SJ07, VAM⁺10, ZL06, GGJGT⁺12, ZDB⁺13]. **Manager** [YBW⁺17]. **Managing** [ATML06, MMD⁺15, EP12]. **MANETs** [BDaS10]. **manifolds** [MRC13]. **Many** [VLNP⁺16, YRL17]. **Many-Core** [VLNP⁺16, YRL17]. **Many-Task** [VLNP⁺16]. **Maple** [BS05]. **Mapping** [BB18]. **MapReduce** [FAW⁺16]. **Marketplace** [Azi12]. **Marketplaces** [JVS12]. **Markov** [SR18a]. **MAS** [OGF10]. **Massively** [Che10b, KmWH10, BLRW09]. **Matching** [ASS08, BDD18, CCD⁺10, KMM15, OF10]. **Mathematical** [LRNP06]. **Matlab** [Sha09]. **Matrices** [LSTD14, LS18, SL14, WMVP14]. **Matrix** [GPS14b, KCD⁺18, RPR12]. **Maturity** [LH17]. **Maximum** [PS08]. **MC** [SR18b]. **MCC** [SR18b]. **Measurement**

[HPBG05]. **Measurements** [RSM⁺08]. **Measures** [FY15]. **Mechanism** [HKR⁺11, QJZS05, Mly09]. **Mechanisms** [RWL07, SGG18]. **Media** [Bar10]. **mediation** [BMD10]. **Medical** [AEKF16, GBS18]. **Medigrid** [SH08]. **Medium** [SST08]. **mei** [Che10b]. **Membership** [DSX09]. **Membrane** [Pet06]. **Memetic** [JMQ⁺10]. **Memory** [Gav05, KME17, LS18, Mat17, ME08, QJZS05, ZL06]. **Memory-Intensive** [QJZS05]. **Mendel** [SBB⁺07]. **MERPSYS** [GC18]. **Mesh** [CM09, CCD⁺09, Sen10, GPS14a]. **Mesh-like** [CCD⁺09]. **mesh-of-tori** [GPS14a]. **Meshes** [GLD06]. **Message** [FCPV13, VLKJ17, NSJ⁺19, TV05]. **Message-Passing** [VLKJ17, TV05]. **Meta** [SBH05]. **Meta-data** [SBH05]. **Metacomputing** [MHPP05, PM05]. **meteorology** [LKHH05]. **Method** [KKKK16, MVV08, SSE⁺15, VE18]. **Methodology** [Rah06, VCV08, MKA⁺14]. **Methods** [BDD18, FMR14, GA15, Kul09, SPSK17, Jay09]. **Metric** [BDD18, PGD⁺11]. **Metrics** [LH17, MSST08, OAT⁺09, YBI⁺09]. **MIC** [BB18]. **mice** [LBP⁺07]. **Microfluidic** [GAM16]. **microprocessor** [HDSY07]. **Middleware** [AMS06, AN10, FCPV13, GTB05, KSSP16, KSF11, MAJLMJ17, PMH⁺16, TL05, GPD⁺09, DPT13]. **Migration** [DM11, OdGWB06, VK19, MKA⁺14]. **Migrations** [DDKK18]. **MIMD** [PS08]. **Minimization** [BBJMR09]. **Minimum** [PS08]. **Mining** [FT05, HST⁺10, Lan08]. **Mirroring** [GPD⁺09]. **ML** [Gav05, Lou17a, SMH06b]. **Mobile** [ADVM07, BM11, BDL06, BR06, MOB06, Mor06, OdGWB06, Raj18, RPP06, SMGC08, SR18c, SR18b, Son09, VAM⁺10, VK19, YBI⁺09, Ahm08, QLC06]. **Mobiles** [DMP13]. **Mobility** [DBX09, HPS06, HR19, MG19, SH06, VK19, GKP06, QLC06]. **Modbus** [SPSK17]. **Modbus/TCP** [SPSK17]. **Model** [AN10, GRY⁺09, GPS14b, GHJ⁺08, HGS17, LH17, MDA12, OSSS17, PXB09, VK19, BKG⁺12, Opr14, RKF13]. **Model-Driven** [GRY⁺09]. **Modeling** [BI14, BFZK18, DLT⁺10, PSB05, Rah06, VP07]. **Modelling** [EP12, FPSN15, GC18, NKS14]. **Models** [BZ09, DBX09, HR19, JVS12, SH08, dB06]. **Modern** [ME08]. **modernization** [MKA⁺14]. **Modified** [OSSS17]. **Modular** [Pou15]. **Molecular** [AHS15, AAVS07, ANG⁺18, BFZK18, KMMP18]. **Monitor** [BKH10]. **Monitoring** [BT12, IPD16, Pop11, RCW07]. **Montoring** [PBT19]. **MooreCube** [JK17]. **mOSAIC** [ARV13, MDA12]. **Mosaicking** [JCCC06]. **Motion** [MS08, MRdT07]. **motion-detection** [MRdT07]. **Move** [FKK08a, FKK08b]. **Movement** [WKS15]. **MPI** [AASB08, MC18, MK17, RPM⁺08, TOC18, Mar06]. **MPICH** [OPM06]. **MPICH-G2** [OPM06]. **MSMAS** [EP12]. **Multi** [AN10, Ben13, BCG15, DPG⁺15, EP12, FMR14, HYM⁺08, JDK17, JK17, JMQ⁺10, KSSP16, LTS16, LEP15, MPC09, MMNs12, MS08, PSSK19, PB08, PM11c, SCKM07, VCFP13, Zha07, ZD11, CPM11, HDSY07, NKS14, ZDB⁺13]. **Multi-Agent** [AN10, DPG⁺15, LEP15, MMNs12, Zha07, JDK17, PM11c, SCKM07, CPM11, NKS14]. **Multi-application** [MPC09]. **Multi-Array** [LTS16]. **Multi-Cloud** [Ben13, ZDB⁺13]. **Multi-Core** [PB08, HYM⁺08]. **Multi-cores** [MS08]. **Multi-Factor** [PSSK19]. **multi-FPGA** [HDSY07]. **Multi-Grid** [FMR14]. **Multi-Objective** [BCG15, JMQ⁺10, KSSP16]. **multi-PaaS** [ZDB⁺13]. **Multi-port** [JK17]. **Multi-Provider** [VCFP13]. **Multi-row** [ZD11]. **Multiagent** [PCRC07]. **Multicast** [JAKP05]. **Multicore** [DDL⁺15, FRD⁺08, Mar09, MR09, SLK17].

Multicriteria [AT10]. **Multidimensional** [WS07]. **Multilevel** [WZS06]. **Multimedia** [FR08]. **Multiple** [AGP⁺13, Bar10, IPD16, KMM15]. **Multiplication** [GPS14b]. **Multiplier** [Saq07]. **Multiprocessors** [ME08]. **multispecies** [BKG⁺12]. **Multithreaded** [MR09]. **multiuser** [MCCC10]. **Multivariate** [LdDK06]. **Museum** [ER18]. **MUSKEL** [ADD07]. **mutable** [GMW05].

nano [NKS14]. **nano-robotic** [NKS14]. **NAT** [BR10]. **NAT-Gateway** [BR10]. **Natural** [SH08]. **Nature** [FP10]. **naval** [ACPF14]. **Navier** [KM08]. **Navigation** [Var15, WH08]. **Negotiation** [MOB06, BMD10, RKF13, RF14]. **Negotiations** [BMD10]. **Nested** [SLK17, ZLKK16]. **Nested-Loops** [SLK17]. **Net** [ND19]. **nets** [Pom05]. **Network** [APPR10, AA19, Alo18, AK19, AMS06, CLM⁺08, DdSGP10, Gun08, HPBG05, HAA19, HTC05, LS07, MLO⁺19, NSJ⁺19, OSSS17, SBBS17, Son09, SW05, YBI⁺09, VE18]. **Network-based** [DdSGP10]. **Networked** [KSF11]. **Networking** [GS17]. **Networks** [Abd06, BZ11, BCS07, BDY08, Doc09, DSX09, DBX09, FVB05, JRML07, KA19, LEP15, MBSC09, MSS17, MBSS17, MG19, RSM⁺08, Sen10, SK19, SSM19, SV15, VK19, Zal09, MPN12]. **Neural** [MSS17]. **NoC** [FRD⁺08, VLKJ17]. **Node** [AA19, PD09]. **Non** [NRS⁺05]. **Non-Dedicated** [NRS⁺05]. **Normative** [FPSN15]. **Note** [Ols17]. **Novel** [EW07]. **NTRU** [AA19]. **Numerical** [AB09b, AR09, Bro08, KM08, MR09]. **NVRAM** [MC18].

O [MC18]. **O-** [QJZS05]. **Object** [FS05, GPS14b, JM08, PBT08]. **Objective** [BCG15, JMQ⁺10, KSSP16]. **Objects** [DEBM12]. **Observation** [Zha07]. **Observation-Based** [Zha07]. **ODEs** [Sha09]. **offers** [AGP⁺13]. **Offline** [AT10]. **Oil** [Ism12]. **OMTSE** [PS08, PM11a]. **on-boarding** [FKSP⁺13]. **on-Chip** [MLO⁺19]. **on-demand** [MPC09]. **One** [LB15]. **onto** [LLS07]. **Ontology** [KS19, MJZ06, MDA12, VCV08]. **Open** [BdSI15, KGSN19, MSST08, RSS⁺09, SSE⁺15]. **OpenFOAM** [FA18]. **OpenMP** [Ben18, BB18, LTS16]. **OpenStack** [BCFP13]. **Operating** [JRML07]. **operational** [ACPF14]. **Opportunistic** [AA19, HAA19, NSJ⁺19, SK19]. **opportunities** [PV14]. **Optical** [JBW⁺15, dB06]. **Optimal** [PCS⁺11a, SR18c, BD14]. **Optimality** [LS07]. **Optimization** [AT10, BCG15, GB12, KD19, KA19, WTLS09, GBS18]. **Optimizations** [SPPGP16]. **Optimized** [CHTE15, HDA18, KY19, RLA09]. **Optimizing** [Bar10, ETR11, MFN14]. **Optoelectronic** [PM11a]. **OrcFS** [CCI11]. **OrganiK** [BKP⁺08]. **Organisation** [PCRC07]. **Organising** [SSE⁺15]. **Organization** [CCI11]. **Organized** [SV15]. **Organizing** [APC⁺13]. **Oriented** [FS05, FCPV13, FP10, GPS14b, JM08, MWWW11, PCMF08]. **OSGi** [DPT13]. **OSyRIS** [FP10]. **Output** [Saq07]. **overlapping** [VE18]. **Overlay** [BM11, DCLR17, JRML07, Pou15]. **Overview** [WKS15, GPD⁺09].

P [KHV11]. **P2P** [BKH10, SV15, WS07]. **PaaS** [GGJGT⁺12, ZDB⁺13]. **Package** [TRI08]. **Panorama** [Pet12]. **paper** [Mus13]. **Papers** [NFB10, PG11, PVP11a, PVP11b, VPPL12]. **Paradigm** [PSB05, DPT13]. **Parallel** [Abd06, ATML06, ABDT16, AB09b, AR09, BL07, BTGV07, BBM15, BGadH06, BZ09, CDS05, CS07, Che10b, CI13, DdSGP10, DDL⁺15, FA18, FMR14, Gav05, HGS17, Ism12, KME17, KAG⁺10, Kho07, KmWH10, KHV11, LdDK06, Lou05, Lou06, Lou17a,

Lou17b, MC18, Mar06, Mat17, MS08, NKKV05, Pet06, Pom05, VE18, DMR⁺16, SMH06a, SMH06b, SMGC08, TWC16, WZS06, WTLS09, dB06, BLRW09, BCGH05, BAP06, RLA09]. **Parallelization** [Cza11, HGS17, SLK17]. **Parameter** [MM16]. **Parameterised** [BP16]. **Parameters** [TWC16]. **Parrot** [TL05]. **Partial** [MK17]. **Participants** [ETR11]. **Particle** [KA19]. **Partitioned** [KM19, LS18]. **Partitioning** [CHTE15, FSS08]. **Pass** [FSS08]. **Passing** [VLKJ17, TV05]. **Pattern** [EW07, PSSK19]. **Pattern-based** [PSSK19]. **Patterns** [Mus13, AHZ14]. **PC** [CMUM09]. **Peer** [DO05]. **Peer-to-Peer** [DO05]. **Perfectly** [SLK17, ZLKK16]. **perform** [LBP⁺07]. **Performance** [Ben18, CDS05, EDS⁺15, FR07, GRY⁺09, HPBG05, HMS17, HDSY07, LPJ16, LCV13, LRNP06, Lud07, Mar09, MM16, OSSS17, PXB09, PD09, PD10, PPC19, Rah06, RWL07, RPR12, RSM⁺08, SMH06a, SPPGP16, VLZAP17, VAM⁺10, Woo05, WTLS09, YBI⁺09, BCGH05, BDRH07, DLB⁺10, KW11, SDZ14]. **periodic** [CC14]. **Personalized** [AWLM07]. **Perspective** [DdSGP10, MRdT07]. **Petri** [Pom05]. **Phi** [BB18]. **Phylogenetic** [JGP07]. **Physical** [GS17, HYM⁺08, MAJLMJ17, YBW⁺17]. **Pi** [Rah06]. **Pi-Calculus** [Rah06]. **PIA** [AWLM07]. **Pion** [LdDK06]. **pipeline** [BCGH05]. **pipeline-structured** [BCGH05]. **pipelines** [FAW⁺16]. **PL** [MRC13]. **Place** [LTS16]. **Placement** [DBGG19, IRTK18, KGSN19, KKL05, SR18a, SD19]. **Plains** [AMS06]. **Planning** [MZdCML07, TRI08]. **Platform** [ABJ05, ANG⁺18, AGG⁺18, BB18, DEBM12, FNCC17, FBLF11, GGG⁺18, GB12, HMS17, IPD16, JBW⁺15, KA19, LB15, MMD⁺15, MHPP05, YRL17, NRLT13]. **Platforms** [BdFW⁺09, SNKS19, LLS07]. **Player** [LS07, BSST13]. **player-centred** [BSST13]. **Point** [CM09]. **Pointers** [Mor06]. **Policies** [AEKF16, SE16]. **Policy** [NDGL12, SNKS19]. **Policy-Based** [NDGL12]. **population** [SBB⁺07]. **Port** [Bar10, JK17]. **Portability** [PV14]. **portal** [AASB08, SDK⁺10]. **Portfolio** [KD19]. **Porting** [LLS07]. **position** [Mus13]. **PosoMAS** [SSE⁺15]. **Possible** [VCV08]. **Potential** [FRD⁺08]. **Power** [JCCC06, MR09, NAIC11, SE11, HDSY07]. **Power-aware** [MR09]. **Practical** [BL07, Lou05, Lou06, Lou17b, Pet07]. **Practices** [DPG⁺15]. **Pragmatic** [PS07]. **Pravah** [BP16]. **Precise** [Son09]. **Preconditioners** [WZS06]. **Preconditioning** [Jay09]. **Prediction** [CCD⁺09, RTV15, SMH06a, SNP⁺10, Var15]. **present** [dMRGJ07]. **Preserving** [Sen10]. **Price** [JVS12]. **Pricing** [LS07]. **Principles** [Ahm06, DPG⁺15, Lee07]. **Prioritization** [SE16]. **Prisoner** [CJ07]. **Privacy** [SE16, Sen10, SK17]. **Privacy-Preserving** [Sen10]. **Proactive** [Zha07]. **Probes** [HPBG05]. **Problem** [BTGV07, GGKP05, HSB⁺10, Kho08, LdDK06]. **Problems** [AT10, CM09, LPJ16, PM11a, PSB05, VLZAP17, CPM11]. **Process** [HMS17, DMR⁺16, SPPGP16, BCGH05]. **processes** [Ahm08]. **Processing** [AT10, AN10, DCLR17, GHJ⁺08, JK16, MC18, MRM⁺16, PIP⁺15, GC18, GBS18]. **Processors** [Che10b, HYM⁺08, KmWH10, Mar09, MR09, SLK17]. **production** [SDK⁺10]. **Professor** [AB09a]. **profiles** [RKF13]. **Profiling** [SMH06a]. **Profit** [SGJ19]. **Profit-Aware** [SGJ19]. **Program** [BT12, BKL⁺12, MK17, SBB⁺07]. **Programmable** [Oro07]. **Programming** [BL07, HGS17, KmWH10, KHV11, Lou05, Lou06, Lou17b, RWL07, SK10, vNMKB05, GMW05, RSS⁺09, Ahm06, Che10a, Che10b]. **Programs** [BT12, DDL⁺15, BCGH05, TV05]. **Progressive** [HHK⁺05]. **Project** [SH08].

Proof [AK19]. **Propagation** [KCD⁺18, Var15]. **Properties** [Gun08, BD14]. **Proprietary** [BCS07]. **Protection** [CS10, SV15]. **proteins** [RSM07]. **proteomic** [LBP⁺07]. **Protocol** [BM11, BDY08, BR10, HPBG05, NAIC11, Sen10, SPR10, SPSK17, VRK19, CPV13]. **Protocols** [ACD⁺07, BSBB19, HR19, SSM19, Doc09]. **Provenance** [KKKK16]. **Provider** [VCFP13]. **providing** [TV05]. **Provisioning** [BCFP13, SGJ19]. **Proxy** [SBH05]. **pSeries** [Mly09]. **Public** [DM11, KM19, SGG18]. **Purpose** [Che10a, SK10]. **PVL** [SLK17].

Qinna [GB09]. **QoS** [MP11]. **QoS-based** [MP11]. **Quality** [JBW⁺15]. **Quantum** [CS07]. **Quasi** [AGK10]. **Quasi-Random** [AGK10]. **Quasirandom** [KAG⁺10]. **Query** [Bar10]. **Quo** [Kow06].

Rack [LB15]. **RAINBOW** [FNC16]. **Random** [AGK10]. **randomly** [MPN12]. **Ranking** [JDK17]. **Rapid** [LLS07]. **Reactions** [VP07]. **Real** [ASBW11, DEBM12, DBX09, EHHC18, JK16, LMPQ09, MLO⁺19, MPTG09, WKS15, Zal09]. **Real-Time** [EHHC18, JK16, MPTG09, Zal09]. **Real-World** [DEBM12]. **Realistic** [DO05, SBB⁺07]. **Reality** [HKV05]. **Recognition** [ND19]. **Reconfigurable** [AAVS07, BBG17, HYM⁺08, Oro07, Pou15, BDRH07, dMRGJ07]. **Reconfiguration** [BdFW⁺09]. **Reducing** [DDKK18]. **Reductions** [KME17]. **redundant** [GTL09]. **Reference** [Woo05]. **Reference-Set** [Woo05]. **region** [CA18]. **Regional** [DKK⁺18]. **Regulated** [WMVP14]. **Relational** [CCI11]. **Relations** [BZ09]. **Reliability** [PMH⁺16, SG16, SK19]. **Reliable** [SPR10]. **Reloaded** [BCR⁺11]. **Remote** [HHK⁺05]. **Replay** [BLRW09]. **Replay-based** [BLRW09]. **Replication** [NAIC11, YBW⁺17, CC14]. **Repositories** [KSSP16]. **Representation** [FVB05, Woo05]. **Reputable** [vLAV05]. **Reputation** [BEEY10]. **Reputation-based** [BEEY10]. **Request** [SD19]. **Rescheduling** [JMQ⁺10, DMR⁺16]. **Research** [DS18, GGG⁺18, KGSN19, MSST08, MFPL18, RP05, SGJN19, PV14]. **Reservation** [YBY⁺18]. **Reservoir** [Ism12]. **Resolving** [SE16]. **Resource** [AT10, BM11, Hos05, MOB06, Pop11, SGJ19, YBY⁺18, AGP⁺13, GMW05, GB09, Mly09]. **resource-bounded** [GMW05]. **Resources** [ANdC17, Azi12, BEEY10, CCD⁺10, ETR11, JMQ⁺10, MFPL18, MFN14, SDK⁺10]. **Results** [Ols17]. **Retinal** [JBW⁺15]. **Retrieval** [BDD18, HHK⁺05]. **Review** [Ahm06, Ahm08, Che10b, Che10a, DBBR19, Doc09, Kho07, Kho08, Kul09, Lan07, Lan08, Lee07, Mar06, Oro07, Woo07]. **RFID** [AGPAK17]. **Rich** [Hos05, SSS08]. **Ring** [Ism12]. **Ring-Based** [Ism12]. **Rings** [BCG15]. **Risk** [FCPV13]. **Risks** [BR06]. **Robin** [SR18c]. **robotic** [NKS14]. **Robust** [BTGV07, JAKP05]. **Role** [Cab06, MHPP05, PM11b]. **Role-based** [Cab06]. **Round** [DMR⁺16, SR18c]. **Round-Based** [DMR⁺16]. **Route** [BDY08]. **Routing** [GLD06, HR19, MBSS17, Sen10, SK19, SSM19, YBI⁺09, CPM11]. **row** [ZD11]. **Rule** [Pet06]. **Rule-based** [Pet06]. **Rules** [SSS08]. **Run** [KKL05]. **Run-time** [KKL05]. **Runge** [Jay09]. **Runtime** [BKH10, GB09]. **RWAPI** [FR07].

SAaaS4Mobile [DMP13]. **SaaS** [ANdC17, BCFP13]. **Safe** [NRS⁺05, GB09]. **Sanders** [Che10a]. **Sarcasm** [MSS17]. **Satin** [vNMKB05]. **Saturated** [TOWC15, TOC18]. **SCADA** [SPSK17]. **Scalability** [Ben18, MVV08, PD10, SSBO18, SJ07, TOWC15]. **Scalable** [AV15, AG15, BKH10, CS07, IPD16, JK17,

LTS16, MRM⁺16, NAIC11, RCG16, Ris18, SBBS17, YBW⁺17, ZOBC13, LBP⁺07].

Scale [BDD18, CMUM09, HSB⁺10, JCCC06, JGP07, JRML07, LSTD14, Pap08b, Pet07, PGD⁺11, Pop11, Stp06, ZSJF15, AASB08, EW07, Ben18].

SCALE-EA [Ben18]. **Scaling** [LB15, SGJN19]. **Scenarios** [WKS15, ZDB⁺13]. **Scheduling** [EHC18, HML05, KY19, KA19, LHS07, MLO⁺19, NDGL12, SNKS19, SW05, ZLKK16, SDZ14].

Schema [ASS08]. **Scheme** [AK19].

Schemes [FBP15]. **Science** [CT10, KM18, Lan07]. **Sciences** [KM18].

Scientific [BBG17, KY19, KGS19, Mar06, SE11, VAM⁺10, WTLS09, CB07, SDK⁺10].

scrambling [GPS14a]. **Scrum** [SSE⁺15].

Search [GHJ⁺08, RPP06]. **Searching** [CCI11]. **Secure** [CDRV16, HKR⁺11, KD19, LVMV10, MBSS17, RFB⁺14, SBBS17, SPSK17].

Secured [SGG18]. **Securing** [AK19].

Security [BSBB19, BR06, HAA19, LH17, SGG18, SG16, ZC19]. **seed** [VE18]. **SEEM** [CA18, VIJ⁺18]. **Seepage** [TWC16].

Selected [CG15, NFB10, PG11, PVP11a, PVP11b, VPPL12]. **Selection** [Alo18, CM09, KD19, LEP15, VE18].

Selective [BDaS10]. **Self** [APC⁺13, CS10, EP12, FNC16, GHV⁺12, SV15, SSE⁺15, Var15]. **Self-adapting** [Var15]. **Self-Healing** [GHV⁺12, FNC16].

Self-managing [EP12]. **Self-Organising** [SSE⁺15]. **Self-Organized** [SV15].

Self-Organizing [APC⁺13].

Self-Protection [CS10]. **Semantic** [FBLF11, Gun08, KSF11, MMNs12, RP05, MPG13, PZ12, GMB14, PCS⁺11a].

Semantics [FR08, SMH06a].

Semantics-Based [SMH06a]. **Semi** [BCG15, BD14]. **Semi-Rings** [BCG15].

Semiempirical [KCD⁺18]. **Sensing** [DMP13, FVB05]. **Sensitivity** [LHS07, TWC16]. **Sensor** [BZ11, KA19, MWWW11, MBSS17, OSSS17, SSM19, Son09, YBI⁺09, DPT13].

Sensors [AN10, MBSC09]. **Sentic** [KS19].

Sentic-Social [KS19]. **Separation** [GAM16]. **Sequence** [EDS⁺15, HGS17].

Sequential [Kho07, RPM⁺08].

Serialization [WTV05]. **Server** [GTB05].

Servers [APC⁺13, JK17, Mly09]. **Service** [AV15, BZ11, DN19, DS18, DPCA11, FP10, FBLF11, Hos05, LEP15, LRNP06, MWWW11, MFPL18, Mor06, PCMF08, PAD11, PCS⁺11b, PCS⁺11a, PGD⁺11, Pou15, RCW07, RPP06, RvSV16, SH08, VIJ⁺18, BMD10, KW11, MP11, DPT13].

Service-Based [SH08, FBLF11, MP11].

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