A Complete Bibliography of *ACM Transactions on Computer Systems*

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14 October 2017  
Version 1.67

Title word cross-reference

- arc [GS93]. N [SHG95, Mae85].
  -Body [SHG95].

11/780 [Cla83, CE85]. 1988 [ACM88].

2.6 [PTS+14]. 2011 [Mow12].

432 [CGJ88, CCLP83].

Abstract [Her86, SS84]. abstraction [CRL03, Kel00]. Abstractions [SKH+16].
Accelerating [BJS01]. Accelerator [CZL+15]. Accelerators [LAB+13]. Accent [FR86]. Access [AT83, LZCZ86, LP93, Smi84b, GB01].

Access/Execute [Smi84b]. Accesses [HY92, Kel00]. accessing [ACM04].
accounting [EV03]. accuracy [Jim05].
Accurate [GVM+11, NTW09]. Ace [RR99].
Achieve [LLL+16]. ACM/SIGOPS [ACM88]. Action [Sch84]. Actions [Ree83].
Activations [ABL92], active [SJS+00].
Activity [IRH86, MSB+06]. Ad [BYFK08, FKA10]. Adaptable [AC92].
Adaptation [BS91, AD03, FS04].
Adaptive [ALHH08, AS95, MLS97, CT01].
Address [CLFL94, SV99]. Adrenaline [HZL+17]. Affected [IRH86]. Aggressive [AB83]. aggregation [JMB05].
Aggressive [GWSU13]. Air [CDD96]. Algorithm [Bad86, DC85, HBAK86, Lam87, Mae85, Ray89, SK85, Zha91].

Algorithms [CM86, GD87, GLM91, KS91, KH92, LA93, MCS91, San87, Sau83a, Sau83b, TS89, KY04].
Cable [Rom84]. Cache
[AHH88, AHH89, AB86, BCZY16, Cla83,
MBH+94, Smi85, Smi87, Str83, SA95, TS87,
TE95, WB91, YFLS11, BMK07, CT01,
GO05, GVO07, HKM02]. Caches
[KH92, HKM02]. Caching
[CFKL96, NWO88, PDZ00, SH00].
Calculations [HKS+83]. Call
[APD03, BALL90]. Calls
[BN84, Bir85]. Calypso
[DKM96]. Capacity
[GHBRK12]. cardinality
[NTW09]. Cascade
[EG85]. Case
[GF93, KWDB06]. Cases
[MMM95]. Causal
[SBS91]. Cells
[DAH+12]. Cellular
[GTHR00]. Centers
[GHBRK12]. Centralized
[Kam84]. Certes
[ONA04]. certification
[ZSV02]. chain
[CKP+04]. Challenge
[EBS+12]. Channels
[Kem83]. CHAOS
[GS93]. Characteristics
[SS96a]. characterizations
[GS00]. checking
[YTEM06]. Checkpointing
[TR84]. Chip
[GF93]. Choices
[WM87]. Chores
[EK93]. Ciphers
[EG85]. Circuit
[MLS97]. Circuit-Switched
[MLS97]. CISC
[BMVS15]. Class
[LCWB+11, MCB84]. click
[KMC+00]. client
[AFG99, LN06, NY03, ONA04].
client-server
[AFG99]. climbing
[CY09]. clock
[BM00]. Clocks
[Lam90, LSW91]. Cloning
[LCWB+11]. Closed
[KG83]. Closely
[KLS86]. Closely-Coupled
[KLS86]. Cloud
[BPH15, LCWB+11, MSL+11, SJS+17].
Cluster
[VBR+04, GLPQ10, SBL00].
cluster-based
[SBL00]. Clusters
[EPP+12, GTHR00, KSH+05]. Coarse
[PFA+15]. Coarse-Grained
[PFA+15]. COCA
[ZSV02]. Coda
[KSM92, Sat02].
Code
[MC11, KY04]. Codesigned
[KMG16]. Coherence
[AB86, LH89, LWZ15, ZY17].
Coherent
[MBH+94]. Coin
[PW97]. Collaboration
[LSPM15]. collection
[AFG99, KPVH11]. Combining
[BPP+17, PS16]. commit
[AKS11]. Commodity
[BDGR97, SBL05]. Communication
[BW84, BALL91, BJ87, Bir85, CBZ95,
CGL85, CCLPS83, FR86,
GMS91, GGS88, LHM+84b, PPA+15,
PBS89, TL93, BHSC98, FLS01, MG01,
VBR+04]. Commutativity
[CKZ+15]. Comparison
[JW98, LE91]. Compiler
[BMK01, KMG16, MCB+93, Mow98,
ACM04, KY04, LM01]. Compiler-based
[BMK01]. Compiler-Controlled
[MCB+93]. compiler-enabled
[ACM04]. Compiler-Inserted
[Mow98]. Complex
[Sno88]. Complexity
[CGJ88, PS16]. component
[CBG08]. Compositions
[KS07]. Comprehensive
[GO05, GVO07, KAE+14]. compression
[BA06]. Computation
[JW98, LHM+84b]. Computational
[Sau83a, Sau83b, ZFF+17]. Computer
[AB83, AK90, BW84, CEC+96,
IR86, RJ90, Smi84b]. Computers
[HLZ+16, HZL+17, LP93]. Computing
[ARJ97, Bab87, EJ93, SS83, SG+13,
ZR17, KSH+05, LN06]. Concurrency
[AC92, CM86, Her87]. Concurrent
[FH07, GY90, HLS95, Lam90]. Configurable
[ELMP12, BHSC98]. Configuration
[SBRP12]. conflict
[CT01]. Congestion
[RJ90]. conit
[YY02]. conect
[YV02]. connection
[SMS08]. connection-oriented
[SMS08]. Consicious
[KWS97]. Consensus
[Bab87, Her86]. Consensus-Based
[Bab87]. Consideration
[Smi87]. Considerations
[Smi85]. Consistency
[AW94, CBZ95, GS00, HJK07, YY02].
Consistency-Related
[CBZ95]. Consistent
[PMJPKA05]. Constraints
[BGMS89]. Constructing
[CGL85, Smi86, BHSC98]. construction
[KY04]. consumption
[XMM07]. containment
[CCC+08]. Content
[BW84, CJ10, JEJ13]. Content-Based
[CJ10, JEJ13]. Content-Induced
[BW84]. Contention
[BZF10, Kir87]. Contention-Aware
[BZF10]. Context

Diversity [SJS+17]. Domains [LWZ15].
DoublePlay [VLW+12]. Driven
[MR97, WB91]. drivers [SABL06].
Dynamic [BGMS89, BS91, GHBRK12,
GWS96, HBD97, KMG16, MVZ93, OP92,
PS16, SBN+97, BM00, DR99, HLMM05,
JMB05, JL02, XMM07]. dynamic-sized
[HLMM05]. Dynamics [ZFF+17].

Editing [And97]. Editor [Jon83a].
Editorial
[Bir97, Che10, Ell03, Ell05, Lev97, Mow13].
effect [MG01]. Effective
[ABLL92, HY92, Rin99, TE95, LM01].
Effects [CGJ88, Kam86, MF90]. Efficiency
[BPP+17, LAB+13, LCG+16, WM87,
ACM04]. Efficient [AE91, BCZY16,
GJT+12, GG88, HKB95, LSW91, MC11,
PFA+15, RPC+13, TS89, WB91, WY13,
ZR17, AD00, NTW09, RLCV11, YN06].
Electronic [Bir97, PW97]. elephants
[EV03]. Eliminating [DR99, MR97].
Emerald [JLHB88]. Emerging [FAK12].
Empirical [SS96b]. enabled [ACM04]. End
[CCE+08, HLT+16, SRC84]. End-to-End
[HLZ+16, SRC84, CCC+08]. Energy
[BA06, BWD+15, BMVS15, GJT+12,
RPC+13, WPB+14, YN06, ZR17, ACM04,
FS04, HKM02, RLCV11, XMM07].
Energy-aware [BA06, FS04].
Energy-Efficient
[GJT+12, RPC+13, ZR17, YN06, RLCV11].
Energy-Oriented [BWD+15]. Enforce
[Slo83]. enforcement [GB01]. Engines
[SLL+14]. Enhance [Sta84]. Enhanced
[EJ93]. Enhancement [YHZ+12].
enterprise [COM+09]. Enterprises
[KCR11]. Environment
[KMG16, VVP+06]. Environments
[GKXK13, GLPQ10]. EOLE [PS16].
epidemics [CCC+08]. Eraser [SBN+97].
Error [TS85]. errors [VACG09, YTEM06].
Estimates [KP91]. estimation [NTW09].
Ethernet [KCR11]. Etherphone [TS88].

Evaluation
[AB86, BBH+98, CP94, DAH+12, GHPR88,
MCB84, CRW01, SMS+03, YV02].
Evaluator [CCC+17]. Event
[Bat95, BBF83, CRW01, VEK+07].
Event-Based [Bat95]. EventGuard
[SLI11]. evolution [Sat02]. Exchange
[Blu83]. Exclusion [AE91, BGMS89, Lam87,
Mae85, Ray89, San87, SK85]. Execution
[CCC+17, GM98, MCB+93, KY04, NCF06,
SMS+03]. exokernel [GEK+02]. expansion
[SV99]. expected [XMM07]. Experience
[ADK+07, SB04]. Experimental [LE91].
Experiments [Atk88]. exploitation
[HKM02]. Exploiting [HBD97, SJS+17].
Exploring [LAB+13]. Extended [DC90].
Extensible [EPP+12, GB01]. Extensions
[AISS98]. Extraction [HS96].
extrapolation [VGO07].

Factor [NEC+15]. Fail [SS83, Sch84, Ske85].
Fail-Stop [SS83, Sch84]. Failures
[BJ87, Mar90, QTZS07, ZMAB09]. Fairness
[ELMP12]. Fast
[CCW+17, FKM02, GEK+02, Lam87,
LDT+16, MJLF84, SV99, YSS+14]. Fault
[AE91, Bab87, BBH+89, BS06, CM89,
CDD96, DD98, JB86, MC11, RBV94, SS83,
ZTQ+17, CL02, CRL03, KAD+09].
Fault-tolerance [CDD96]. Fault-Tolerant
[AE91, Bab87, JB86, RBV94, SS83]. Faults
[PTS+14]. Fay [EPP+12]. Feedback
[BM07, RJ90, ALHH08, DR99]. File
[AISS98, AOG92, ADN+96, BKT85,
CFKL96, CF96, DKL96, GJT+12, HDV+12,
HO95, HP94, HKM+88, KS92, Koc87, KS97,
LZC86, MBH+94, MJLF84, NW088, RO92,
SS96b, FKM02, MSP00, NCF06, SFKW14,
YTEM06]. File-system [HP94]. Files
[HL91]. filter [BMK07]. find [YTEM06].
finding [ASS+05]. Fine
[JLHB88, BHSC98, Rin99]. fine-grain
[BBHSC98, Rin99]. Fine-Grained [JLHB88].
Fireflies [JVVJ15]. Firefly [SB90a].
firewall [BMNW04]. Firmato [BMNW04].
First [LCWB+11]. First-Class
[LCWB+11]. Flash [JLL+16]. flexibility
[HS03]. Flexible [KS97, GEK+02]. FLIP
[KvRvST93]. Flow [EGH+14, Sha89].
Focusing [EV03]. Footprint [CZL+15].
Footprints [TS87]. Formal
[BAA90, GM89, GF93, KAE+14].
Framework [CCC+17, CKP+04]. Free
[ARJ97]. Full [LLL+16]. Full-Stack
[LLL+16]. fully [RD99]. functionality
[GB01]. Future [EBS+12, HLZ+16, Kin90].

Gaining [WM87]. Garbage
[AGF99, KPHV11]. gating [BM00].
General [Smi86, ZR17, BJS01, CKP+04].
General-Purpose [ZR17, BJS01].
Generalized [MCB84, SA95]. Generals
[Sch84]. Generating [MMM95].
Generation [AJ93, Sha83, GO05].
generational [HKM02]. generic [CBG+08].
Global [AIS98, CL55, CM89]. Globally
[CDE+13]. Gone [ABD+97]. Google
[CDE+13]. Gossip
[JVG+07, JVJ15, JMB05]. Gossip-based
[JVG+07, JMB05]. GPU
[LSPM15, SKH+16]. GPUs [SKW14].
GPUNet [SKH+16]. GPUs [SKW14].
grain [BHS98, Rin99]. Grained
[JLH88, PPA+15]. Grammars [DD98].
Grapevine [SBN84]. Graph
[DD98, AV04, APD03]. Graphics [SLJ+14].
Group [SB91, FLS91, KSM02].
Grouping [Sta84]. Groups [CZ85, San88].
Growth [SBN84]. Guest [Lev97].

Hardware
[GM98, GF93, HLRW93, WPB+14, HS03].
HARTS [KS91]. hash [NTW09]. Haven
[BPH15]. HDLC [SL83]. Heap [DTM95].
Heracles [LCG+16]. Heterogeneous
[Bat95, Fal87, LWZ15, DK13, GLL14]. HFS
[KS97]. Hierarchical
[GJT+12, SHG95, WGSS96]. Hierarchies
[BCZY16, ES83, YFLS11]. Hierarchy
[AT83]. High [AOST93, BPP+17, ELMP12,
GY90, GFN89, KSV+08, LLSG92, SBWT87,
Ste97, TL93, Kel00, VVP+06, WVTP01].
High-bandwidth [KSV+08]. High-level
[GY90, Kel00, VVP+06].
High-Performance [ELMP12, SBWT87].
High-Speed
[Ste97, TL93, AOST93, GFN89, WVTP01].
highly [SBL05]. Hill [CY09]. Hill-climbing
[CY09]. Hint [SH00]. Hint-based [SH00].
Hints [YFLS11]. Histories [Ng89]. Hoc
[BYFK08, FKA10]. HOP [GF93]. Hot
[HY92]. Hot-Spot [HY92]. HP [WGS96].
HTM [CCW+17]. HW [KMG16]. HW/
SW [KMG16]. Hypercubes [MSL97].
Hypervisor [BS96]. Hypervisor-Based
[BS96].

I/O [BMK01, CP94, Che87, HDV+12,
Kot97, PDZ00, YSS+14, dBBB11].
identification [CT01]. Identifying
[BCZY16, Kem83]. ignoring [EV03]. Image
[SL83]. Implement [Ng89].
Implementation [CFKL96, CKC12,
DAH+12, DC85, RO92, WM87].
Implementations [GFN89].
Implementing [BN84, Ree83, Sch84].
Implications [SHG95]. Implicit [AD01].
Improve
[GKXK13, SFKP12, CRL03, HBSBA03].
Improved [CM89, JIM05]. improvement
[HSY05]. Improving [KP91, LCG+16,
QBD+08, SBL05, YZP+12, BM00].
In-Memory [CCW+17]. Including
[GvB90]. inconsistencies [YKTK10].
Increase [GM98, PS16]. Increasing
[BGMS89]. Incrementally [CASM08].
Independent [Smie86]. Index
[Ao84a, Ao96]. Indexed [KH92].
Induced [BW84]. infer [ONA04]. Inferring
[MSB+06]. Information [Ano83, Ano84b,
EGH+14, HS96, PBS89, San87, AD01].
Information-Flow [EGH+14]. Informing

Java [GS00]. Job [Kam84, Kam86].


[San88]. NUMA [LE91, LP93].

O [BMK01, CP94, Che87, HDV+12, Kot97, PDZ00, YSS+14, dBBB11]. obfuscation [BS10]. Object [BBH+98, GWS96, AFG99].

Object-Oriented [GWS96]. Objects [ARJ97, GS93, Ng89, SB90b, Sta84, ADK+97]. offense [WVB+10]. Offloading [GKXK13]. Once [LSW91]. online [ZSV02]. only [FKM02]. Operating [ACM88, AHH88, AISS98, BPP+98, FKM02].


Partitioning [WPB+14, ZZN02]. Path [PL85]. peer [JVG+07, MRG+05, QBD+08]. peer-to-peer [MRG+05, QBD+08]. 780 [Cla83, CE85]. Execute [Smi84b]. replay [RD99]. Restoring [HL91]. SIGOPS [ACM88]. Subscribe [CL02, ZMAB09, RD99].

Performance [AHH88, AK90, BBH+98, BMVS15, CFKL96, CM86, CP94, CEC+96, CM89, Cla83, CE85, CDW06, CGJ88, DTM95, ES83, ELMP12, HMK+88, KS97, LNZC86, MCB84, PL85, PS16, SS96a, SFKP12, SLJ+14, SB90a, SBWT87, SGG+13, Sta84, TR84, TS85, WB91, AV04, BM00, COM+09, EEEKS09, HS03, HBSBA03, LN06, NYN03, QBD+08, SBL00].


Policy [Kam84, MVZ93, GB01]. Porcupine [SBL00]. Portable [GWS96, LDT+16].

Power [BCZY16, BMVS15, EBS+12, EG85, GM98, GWSU13, ZTQ+17, BM00].


prefetch [CKP+04]. Prefetching [CFKL96, Mov98, TE95, APD03, BMK01, CKP+04, LM01]. prefix [SV99, WVTP01].
Presence [BJ87]. preservation [MRG+05].
Preserving [PBS89]. preventing [YKK+10]. Primitive [LCW+11].
Privacy [EGH+14]. Proactive [RS10, CL02]. Probabilistic [FKA10]. EGH+03].
Problem [AT83, Tie84, GMS80]. Procedure [BALL90, BN84, Bir85]. Procedures [GG88].
Programming [CM88, FH07, RR99, VBR+04]. Programs [DTM95, GY90, SBN+97, SKH+16, WY13, DR99, Rin99].
Proof [GM87]. Protected [BPP+17]. Protection [BA90, CLFL94, HP87, San88].
Protocol [AMMSB98, AMMS+95, BBF83, GKK+13, GvB90, KvR+93, Kir87, SL83].
Protocols [AB86, AGK+15, CM84, CGL85, KP91, SL83, Sha89, Aks89, HIP99, RR99, SMS88, VBR+04]. Providing [LMSG92].
Provisioning [GWSU13, ABG+01].
Pseudorandom [Sha83]. Public [HP87, Oka88]. Public-Key [Oka88].
QoS [DK13]. QoS-Aware [DK13].
Quorum [Her86, FKA10]. Quorum-Consensus [Her86].
Ratio [Smi85, Smi87]. RaWMS [BYFK08].
RDMA [CCW+17]. read [FKM02]. read-only [FKM02]. Reading [Lam90].
Real [ARJ07, BS91, GS93, Kh92, MMM95, SBW+87, KPH+11, XMM07]. Real-Indexed [KH92]. Real-Time [BS91, GS93, MMM95, SBW+87, ARJ97, KPH+11, XMM07]. Realtime [EGH+14].
Rearrangement [A95]. Reasoning [GMP92]. Reassignment [BGMS99].
Recoverable [SMK+94]. Recovering [SABL06]. Recovery [DKM96, HMSC88, MC11, SY85, CL02].
RecPlay [RD99]. Recursive [DC85].
Reduce [PS16]. Reduced [HL91].
Reducing [CBZ95, HMK02]. Redundant [PL85]. Redundant-Path [PL85].
Reg [CCW+17]. Register [GJT+12, HL91].
Reining [HZL+17]. Related [CBZ95].
Relational [Sno88]. Relevance [BMVS15].
Reliability [Bab87, IRH86, ZTQ+17, SBL05]. Reliable [BJ87, CM84, GMS91, KS91, KP91, PGM89].
Remark [Smi87]. Remote [BALL90, BN84, BIR85, GG88]. Replay [VLW+12].
Replicated [Her87, JSB+6, YY02, YY06]. Replication [Her86, LLSG92, PMJPKA05, VACG09].
requests [ACV02]. Requests [Kin90, LLL+16]. Requirements [JT88].
Research [KE16]. Reservation [And97].
Resilient [AKS11]. Resource [HS96, KEM83, LCG+16, ABG+01, CY09, GTHR00]. Response [Har87, ONA04].
Responsibility [GKKK13]. Responsive

S [CG86]. S/Net [CG86]. S2E [CKC12]. safe [HYC+03]. sampling [BM07, JVG+07]. Saving [HL91]. Saving/Restoring [HL91]. Scalable [BDGR97, CKZ+15, H895, HLRW93, JVVJ15, MCS91, VWP01, AMS+99, ACV02, SBL00]. SBL00, VBV03, KCR11, NTW09].

Scale [CZL+15, FAK+12, GVM+11, H895, HZL+17, LA93, LCG+16, Mog92, RPC+13, ABG+01, KS+89]. Scale-Out [FAK+12]. Scaling [CP94, SLJ+14, HYC+03]. Scheduler [ABLL92, GJT+12, KRS97, NL03]. Scheduler-Conscious [KRS97].


Shared [ARJ97, BBH+98, BALL91, CBZ95, EJ93, HLRW93, Kem83, KSH+05, L89, MV893, M891, S894, BMD+13, BJS01, GTHR00, K300, YK00]. Shared-Memory [CBZ95, EJ93, MV893, M891, GTHR00]. Shared-Object [BBH+98]. Sharing [CLFL94, HYC+03]. Shield [BP15]. side [QBD+08]. Silicon [EBS+12]. Simple [HK995]. Simulation [AB86, CE85, SA95, VVP+06, WB91]. Simulations [GM91]. Simultaneous [LEL+97, SMS+03]. Sinfonia [AMS+09]. Single [AMMS+95, CLFL94, HL91, LCPM15, LLL+16]. Single-Address-Space [CLFL94]. Single-Ring [AMMS+95].

CBG+08, MWP+01, QTZS07.
Software-Managed [UNS+94]. Solid [SNSC14]. Solid-State [SNSC14]. Solution [AE91, AT83, GMS00]. Sorting [RPC+13].
Special [Jon83b, Jon84, Jon88, Mow12, Sch83, Smi84a]. Specialization [MW+01, SFKP12]. Specification [GM87, SL83]. Specifications [GM98, KMG16, MCB84].
Stochastic [CM88, JLL16, Kem83, MSL+11, OGG+15, SNSC14, SGH+13, WGS96, YSS+03, AB+11]. Speed
[Ste97, TL93, AOST93, GFS09, WVTP01]. Spot [HY92]. Sprinting [ZFP+17]. Sprite [NWO88]. SR [Atk88]. SSDs [ZTQ93].
Stack [LLL+16, TS89]. Stackable [HP94]. STAMPede [SCZM05]. standards [BI13]. State [SNSC14, Sau83a, Sau83b].
State-Dependent [Sau83a, Sau83b]. Stateful [RS04]. stateless [SMP08]. States [CL85]. Static [KMG16, PS16, Sta84a].
Stating [JT88]. stealing [ALHH08]. Stochastic [MCP84]. stock [MS01]. Stop [SS83, Sch84]. Storage [CM88, JLL+16, Kem83, MSL+11, OGG+15, SNSC14, SGH+13, WGS96, YSS+03, AB+11].
ACV02, ASS+05, CDG+08, HSY05]. Store [LLL+16, AFG99]. Stored [TS88]. Strategies [TR84, ZF+17, BM00]. Stream
[Kam84, Kam86]. Streamline [dBBB11]. Streams [HK95]. String [Tie84]. String-to-String [Jie84]. Stripped [HO95].
 stripping [HVP99]. Strong [PW97, Shas83]. Structure [San87]. Structured [Har87, HBAK86, RO92, CDG+08].
Structures [Atk88, CKP+04, HLMM05]. Study
[GFS09, SS96b, ZY17, KWDB06, KY04]. Subscribe [SLI11]. Subscribers [Rom84]. Substrate [ELMP12]. Subsystem
[YSS+14]. Supercloud [SJS+17]. superscalar [EEKS09]. Support [ABLL92, EJ93, GS93, GWS96, HL91, AD00, BJS01, GDL+04, HS03, HLMM05, HYC+03, LM01].
Supporting [KvRvST93]. Supports [HKB95]. survive [QTZS07]. Switch [AOST93]. Switched [ML89, Zha91].
symmetric [KSH+05]. Symposium [ACM88]. sync [NVCF08].
Synchronization
[HY92, KWS97, LA93, MCS01, DR99, Rin99]. Synchronized [LSW91]. Synchronizing
[SS84]. System
[AHH88, AISS98, AK90, AOG92, BBH+98, BPP+17, BKT85, CLFL94, Che87, CF96, DTM95, EGH+14, GM87, GDL+04, HO95, HKM+88, IRH86, JLB88, Koc87, KS97, KLS86, LH84a, LWZ15, MJLF84, NWO88, OGG+15, PLZ+16, PMS89, RPC+13, RO92, SRC84, Sat89, SB84, SBWT87, SS96b, SL11, TS88, WGS96, WAML94, BHSC98, BHSR02, CDG+08, FM02, HP94, KWDB06, KSH+05, MRG+05, MS01, MWP+01, NCF06, PDZ00, RD99, SFKW14, VVF+06, VB03, VEK+07, YTEM06, KS92]. systematic
[MWP+01]. Systems [ACM88, AB83, ADN+96, And97, Bab87, Bat95, BAA90, BZF10, BDG97, CBZ95, CL85, CEC+96, Che87, CJ10, CDD06, ELMP12, Fas87, GFS09, GVM+11, Har87, Jon88, JB86, JLSU87, KrvRvST93, Kam86, LABW92, LH89, Moe85, MCM95, MCB84, PL85, PW87, RBV94, SFKP12, SB83, SBWT87, SMI86, SNO88, Ste97, SY85, WLMD16, AMS+09, ABG+01, AD01, CBH+08, FKA10, GMS00, GEK+02, GB01, HSY05, KV+08, MG01, SBL05, VBR+04, XM07, YKK10].
Tailored [dBBB11]. Tails [HZZL+17].
TaintDroid [EGH+14]. Taos [WABL94]. task [AV04]. TCP [GKXK13, ZMA09]. TCP-based [ZMA09]. Technique
[BM84, VACG09]. Techniques
Thread-Level

[LABW92] thin-client

[AMMSB98] thin-client

[PB90, CE85] Thin-client

[CM89, DD98, BS96, CM89, DD98, PW97, CL02, CRL03, CDD96, KAD03] Thin-client

[SB90b, GLPQ10] Thin-client

[AMMS98] thin-client

[MM95] Thin-client

[ABG91] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

Thread

[CLVW94] Thin-client

[GHBRK12] Thin-client

[AISS98, ABLL92, BALL91] Thin-client

[AISS98, ABLL92, BALL91] Thin-client

Time

[HHMS98] Thin-client

[MM95] Thin-client

[ABG91] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

Timestamp

[AJ93] Thin-client

[KB93] Thin-client

[CDW06, CDW06, CDW06] Thin-client

[CDW06, CDW06, CDW06] Thin-client

Tolerating

[AE91, Bab87, JB86, RBvR94, SS83] Thin-client

[ABG91] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

Tolerant

[AE91, Bab87, JB86, RBvR94, SS83] Thin-client

[ABG91] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

[KLW97, Davis98, BSL97, SB90b, GLPQ10, LLL12] Thin-client

Tolerances

[Mar90, Mow98, tool [ABG91], toolkit [BMNW04], tools [MWP90], Topologies [SB90b], Topology [AMMSB98] total [GLPQ10], Totem [AMMSB98, AMMS98] Trace [BMK07, WB91] Trace-Driven [WB91] Tracing [EPP92, EPP92], Tracking [EGH94], Tradeoffs [LAB93, UNS94], Traffic [CDD96, MF90, Zha91, EV03] Transaction [BW84, CCW91], transactions [AKS11, CASM08], Transfer [Sha89], Transient [Str83], Translation [CE85], Transparent [LSPM15], Transport [KP91, WM87], Treating [QTZS07], Tree [HBAK86, Ray89], Tree-Based [Ray89], Tree-Structured [HBAK86], Trees [SZ96, SA95], Trip [KP91], TritonSort [RPC93], Trust [MSL91], Tuning [SLJ94], Two [San88], Types [AC92, Her86, SS84].


Waiting [LA93]. Walk [BYFK98]. WANs [KSMD02]. Warehouse [HL91, HZL91].
REFERENCES

Warehouse-Scale [HLZ+16, HZL+17].
Wars [BMVS15]. WaveScalar [SSM+07].
web [RLCV11, CDW06, HBSBA03, ONA04, ZR17]. Where [ABD+97]. Wide
[SS96b, CRW01, LN06]. Wide-Area [SS96b, CRW01, LN06]. Window [HL91].
Wireless [BYFK08, ADMER10, FKA10]. Without [FH07]. Work [ALHH08].
Work-stealing [ALHH08]. Workloads [AHH88]. Workstation [BDR+12].
Workstations [LZCZ86]. worm [CCC+08].
Write [MBH+94, TS89, HJK07]. Write-Back [TS89]. Write-Behind
[MBH+94]. Writing [Lam90].

x86 [BDR+12].

Years [HE16].

Zebra [HO95]. Zyzzyva [KAD+09].

References


[ABG+01] Guillermo A. Alvarez, Elizabeth Borowsky, Susie Go, Theodore H. Romer, Ralph...


[AD00] Mohit Aron and Peter Drusche...
REFERENCES

197–228, 2000. CODEN AC-SYEC. ISSN 0734-2071 (print), 1557-7333 (electronic). URL

Arpaci-Dusseau:2000:ICC

Arpaci-Dusseau:2001:ICC

Arpaci-Dusseau:2003:RTA

Appavoo:2007:EDO

Arpaci-Dusseau:2001:ICC

Appavoo:2007:EDO

Agrawal:1991:EFT

Amir:2010:SWM

Anderson:1996:SNF
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Attiya:1994:SCV


Barr:2006:EAL


Bershad:1990:LRP


Bershad:1991:ULI

Brian N. Bershad, Thomas E.
REFERENCES


[BCZY16] Michael Badamo, Jeff Casarona, Minshu Zhao, and Donald Yeung. Identifying power-efficient multicore cache hierarchies via reuse distance anal-
REFERENCES


REFERENCES


REFERENCES


REFERENCES

2007. CODEN ACSYEC. ISSN 0734-2071 (print), 1557-7333 (electronic).

**Bartal:2004:FNF**


**Blem:2015:IWU**


**Bihari:1991:DAR**


**Bressoud:1996:HBF**


REFERENCES


REFERENCES


REFERENCES


[CL02] Miguel Castro and Barbara Liskov. Practical Byzantine fault tolerance and proactive

**Chang:1984:RBP**


**Chase:1994:SPS**


**Cheriton:1989:DGN**

David R. Cheriton and Timothy P. Mann. Decentralizing a global naming service for improved performance and fault tolerance. *ACM Transactions
REFERENCES

Cherkasova:2009:AAD

Comer:1986:CBM

Chen:1994:NAP

Castro:2003:BUA

Carzaniga:2001:DEW

Cappello:1983:VLP
REFERENCES


REFERENCES

Deering:1990:MRD


Derk:1998:RFT


Delimitrou:2013:QAS


Devarakonda:1996:RCF


Diniz:1999:ESO


Diwan:1995:MSP

REFERENCES


REFERENCES

SYEC. ISSN 0734-2071 (print), 1557-7333 (electronic).


REFERENCES


REFERENCES


Greenberg:1991:AUP


Gabbay:1998:UVP


Guerraoui:2010:TOT


Glasgow:1992:LRA


Glasgow:1987:DPF


García-Molina:1991:ORM


Garcia-Molina:1991:ORM
Ganger:2000:SUS

Gluhovsky:2005:CMC

Gheith:1993:CKS

Gontmakher:2000:JCN

Govil:2000:CDR

Gotzhein:1990:DPS


[Har87] Paul K. Harter, Jr. Response times in level-structured sys-

**Hoyme:1986:TSM**


**Harchol-Balter:1997:EPL**


**Heiser:2016:LML**


**Herlihy:1986:QCR**


**HBD97**


**HBSBA03**


**Harter:2012:FFU**


**Heiser:2016:LML**


**Herlihy:1986:QCR**

REFERENCES

Herlihy:1987:CVA

Higham:2007:SMC

Hosseini-Khayat:1995:SEB

Howard:1988:SPD

Hu:2002:LCD

Hoshino:1983:PPM
REFERENCES


REFERENCES


[Ilija Hadžić and Jonathan M. Smith. Balancing performance


REFERENCES

ACSYEC. ISSN 0734-2071 (print), 1557-7333 (electronic).


REFERENCES


REFERENCES

ISSN 0734-2071 (print), 1557-7333 (electronic).

Juurlink:1998:QCP


Kotla:2009:ZSB


Klein:2014:CFV


Kameda:1984:OCP


Kameda:1986:EJL


King:2005:BI


Kim:2011:SSE

Keleher:2000:HLA


Kemmerer:1983:SRM


Kobayashi:1983:ORC


Kessler:1992:PPA


King:1990:DAM


Kirkman:1987:OCP


Kronenberg:1986:VCC

REFERENCES


REFERENCES


REFERENCES


Kim:2004:SSL


Lamport:1987:FME


Lamport:1990:CRW


Lamport:1998:PTP


Lo:2016:IRE


Lagar-Cavilla:2011:SVM


Lozi:2016:FPL


Larowe:1991:ECM

REFERENCES


Lin:2015:KMO


Lazowska:1986:FAP


Maekawa:1985:AME


Mann:1994:CDF


Marinescu:2011:ETR


Marsan:1984:CGS

Mahlke:1993:SSM


Mellor-Crummey:1991:ASS


Mitchell:1990:EPA


Mendelson:2001:ESC


Meisner:2011:PSA


McKusick:1984:FFS

Mahmood:1997:OAM


Mandrioli:1995:GTC


Mogul:1992:NLS


Mowry:1998:TLM


Mowry:2012:ISI


Mowry:2013:E


Mogul:1997:ERL


**Maniatis:2005:LPP**


**Maxemchuk:2001:IMS**


**Moore:2006:IID**


**Mahajan:2011:DCS**


**McKinley:1999:QLN**


**McCann:1993:DPA**


Nelson:1988:CSN


Nieh:2003:MTC


Olshefski:2004:UCI


OMalley:1992:DNA

<table>
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Patino-Martinez:2005:MRC


Pellauer:2015:ECC


Perais:2016:ECS


Palix:2014:FL


Pfitzmann:1997:SLT


Qiao:2008:IPP


Qin:2007:RTB

[QTZS07] Feng Qin, Joseph Tucek,

Raymond:1989:TBA


Reiter:1994:SAF


Rinard:1999:EFG


Ramakrishnan:1990:BFS

REFERENCES


[RSS04] John Reumann and Kang G.
REFERENCES


Roeder:2010:PO


Sugumar:1995:SAC


Swift:2006:RDD


Sanders:1987:ISD


Sandhu:1988:NTD


Satyanarayanan:1989:ISL

REFERENCES

Satyanarayanan:2002:EC


Sauer:1983:CAS


Schroeder:1990:PFR


Schwan:1990:TDO


Saito:2000:MAP


Swift:2005:IRC


Schroeder:1984:EGG

[SBN84] Michael D. Schroeder, Andrew D. Birrell, and Roger M.


REFERENCES

Steffan:2005:SAT


Saez:2012:LCS


Silberstein:2014:GIP


Smaldone:2013:OSP


Sarkar:2000:HBC


Shamir:1983:GCS


Shankar:1989:VDT

REFERENCES


Silberstein:2016:GNA


Shankar:1983:HPS


Srivatsa:2011:ESA


Samadi:2014:SPS


Sloan:1983:MEB


Smith:1984:PSI


Smith:1984:DAE


Smith:1985:DCM

Smith:1986:IGP


Smith:1987:RDC


Satyanarayanan:1994:LRV


Swanson:2003:ESI


Shieh:2008:SAC


Snodgrass:1988:RAM


Sampson:2014:ASS

REFERENCES


REFERENCES


REFERENCES


August 1994. CODEN ACSYEC. ISSN 0734-2071 (print), 1557-7333 (electronic).


REFERENCES


[WPB+10] Michael Walfish, Mythili Vutukuru, Hari Balakrishnan,
REFERENCES

David Karger, and Scott Shenker. DDoS defense by off-

3:??, March 2010. CODEN ACSYEC. ISSN 0734-2071 (print),
1557-7333 (electronic).

[WVTP01] Marcel Waldvogel, George Varghese, Jon Turner, and
Bernhard Plattner. Scalable high-speed prefix matching.
*ACM Transactions on Computer Systems*, 19(4):440–482,
November 2001. CODEN ACSYEC. ISSN 0734-2071 (print),
1557-7333 (electronic).

[WY13] Meng-Ju Wu and Donald Yeung. Efficient reuse distance
analysis of multicore scaling for loop-based parallel programs.
*ACM Transactions on Computer Systems*, 31(1):1:1–1:??,
February 2013. CODEN ACSYEC. ISSN 0734-2071 (print),
1557-7333 (electronic).

[XMM07] Ruibin Xu, Daniel Mossé, and Rami Melhem. Minimizing ex-
pected energy consumption in real-time systems through dy-
namic voltage scaling. *ACM Transactions on Computer Sys-
ISSN 0734-2071 (print), 1557-7333 (electronic).

Management of multilevel, multyclient cache hierarchies with
application hints. *ACM Transactions on Computer Systems*,
29(2):5:1–5:??, May 2011. CODEN ACSYEC. ISSN 0734-
2071 (print), 1557-7333 (electronic).

[YKA00] Donald Yeung, John Kubi-
atowicz, and Anant Agar-
wal. Multigrain shared mem-
ory. *ACM Transactions on
Computer Systems*, 18(2):154–
196, May 2000. CODEN AC-
SYEC. ISSN 0734-2071 (print),
1557-7333 (electronic). URL
http://www.acm.org/pubs/citi-
sations/journals/tocs/2000-18-
2/p154-yeung/.

[YK10] Maysam Yabandeh, Nikola
Knežević, Dejan Kostić, and
Viktor Kuncak. Predicting and
preventing inconsistencies in


REFERENCES

Zhang:1991:VNT

Zagorodnov:2009:PLO

Zhu:2017:OGP

Zhao:2017:UMR

Zdancewic:2002:SPP