A Bibliography of Supercomputing ’2011

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14 October 2017
Version 1.02

Abstract

This bibliography records articles presented at the Supercomputing ’2011 conference.

Title word cross-reference

1, 2, 3 [SMDS11]. 2 [YIM11, YBPH11]. -D [YIM11].


2.0 [SAT+11]. 2011 [Hua11, LCK11].

auto-tuning [WOCS11]. AutomaDeD
balancer [SK1]. bandwidth [BCK1].

Barnes [ZBS1]. based
[BWL+11, DJP+11, KKO+11, SVC+11].
Best [MSBM1]. between [KKHK1].
beyond [BCJ+1]. biofluidics [BBE+1].
biomolecular [MSZ+1]. BlobCR [NC1].
blood [GIM+1]. Blue
[CEH+11, VHMP1]. Boltzmann
[WOC1]. brain [GIM+1]. breadth
[BM1]. breadth-first [BM1]. building
[DJP+11].
cache [FPRK11, SVC+1]. cache-friendly
[SVC+1]. caching [FPRK11]. calculations
[HIT+11, WWJ+11]. capability [Har].
car [JHN11]. catalog [WMLB]. centers
[BC1]. Challenges [AFL+11, BC1].
checkpoint [NC1]. checkpoint-restart
[NC1]. Checkpointing [BCR+1]. class
[WR11]. Cloud [ZLZ+11, MH11, PSLJ].
clouds [BRE11, LBZ+11, NC1]. cluster
[HM11, KKO+11, ZLZ+11]. clusters
[MSBM1, PG11, RHKK11, WWJ+11]. co
[KDS+11, TPO+11]. co-design [KDS+11].
co-designing [TPO+11]. code
[JI1, MMK+11]. codebase [SSWC1].
collectives [SBD1]. Communication
[PWL+11, SBD1]. Community
[WMC+1]. complex [PAZ1].
compositing [MKPH1]. compressed
[LJA+1]. Computational
[YWY+11, GIM+11, KPB+11, PJR+11].
computations [MNSM1]. compute
[ZLZ+11]. computer [HIT+11].
Computing [LCK1, YWY+11, Ben11, BC1, GIC+11, HM11, LBZ+11, LCH+11].
concurrent [FPRK11]. condensed
[HLD1]. Conference [LCK1].
configuration [BRE11]. consumption
[GBL+11]. ’cool [SK1]. cooling [CEM1].
coordination [SYS+1]. Copernicus
[PLP+11]. copy [HHR1]. core
[BBE+11, CHE11, IJ11, SVC+1, YIM1].
correlated [YIM1]. cost [LBZ+11, MH1].
coupled [KKO+11]. CPU [MMK+1].
CudaDMA [BCK1].

D [YIM1, YBPH1]. data
[CH11, CHA+11, KPB+11, LJA+11, PSH11, TSP+11, VHMP1]. data-intensive
[CH11, KPB+11, TSP+11]. database
[WMLB]. datacenters [GBL].
deadlines [MH1]. debugging [LGDS].
Deep [Har]. Defense [Ben]. dendritic
[SAT+1]. dense [NTDD11, SBD1].
density [WWJ+11, YIM1]. Department
[Ben]. dependencies [LFG].
deployment [MSBM1]. design
[FHL+11, KDS+11, TSP+11, YIM1].
designing [TPO+11]. detection
[CL1, PSH1]. device [LBK1].
Dyamoxon [CSS1]. dynamic [FPRK11].
dynamics [PLP].
early [BHK1]. Earth [WMC+11, TAT+1].
easy [SMDS1]. effective [DEG+1].
efficiency [FHL]. Efficient
[PSH11, KDS+11, NC1]. eigensolver
[YBPH1]. eigenvalue [HLD1].
electricity [LBZ+11]. electron [HIT+1].
Enabling [MSZ+1]. End [SKY11, ZDJ1].
End-to-end [SKY11]. energy
[GBL+11, KDS+11, PAZ1].
energy-efficient [KDS+1]. engineering
[LBK1]. environments
[CH11, WUE+11]. Eulerian [IJ1].
Evaluating [FSL+11, ZLZ+11]. evaluation


machine [LBZ+11]. machines [MSZ+11].
MAMPO [GJ11]. management
[BC11, FPRK11, MSBM11]. manycore
[MIW+11]. MapReduce [BFR11, PSLJ11].
massively [JJ11, SSWC11]. matrix
[NTDD11, YIM11]. matrix-vector
[NTDD11]. MAXimum [GJ11]. measure
memory [BCK11, BM11, CSS11, GLJ11,
HLD11, HIR11, LCH+11, PSH11, WR11].
memory-aware [HLD11]. merge
[WQY+11]. mesh [DJP+11]. mesh-based
message-driven [MSZ+11]. methods
[HGD11, KKO+11]. metrics [Har11].
migration [HI11]. million
[BBE+11, MSZ+11]. million-core
[BBE+11]. minimize [MH11]. mining
[BFR11]. model
[JJH11, MNSM11, TAT+11, WMC+11].
Modeling
[HKG+11, HGKS11, KDS+11, NG11].
modernization [Ben11]. molecular
[PLP+11]. monitoring
[AFL+11, Ben11, DEG+11]. motif [MBK11].
movement [VHMP11]. MPI
[SVC+11, ZLZ+11]. Multi
[SSWC11, CHE11, IJ11, MIW+11, SVC+11,
WUE+11, YIM11]. multi-
[MW+11]. multi-core
[CHE11, IJ11, SVC+11, YIM11].
Multi-science [SSWC11]. multi-touch
multicore-optimized [MSZ+11].
multiplication [NTDD11]. multipole
Multithreaded [PW+11, GJ11].
nanoelectronic [LBKF11]. nanowire
[HIT+11]. National [YTW+11]. network
[CEH+11, SKY+11, WQY+11]. Networking
[LCK11]. networks [BJGK11]. nothing
[WMLB11]. November [LCK11]. numbers
[SMD+11]. NWSC [KGL+11].
O [FPRK11, KBP+11, SYS+11, VHMP11].
O-intensive [ZDJ11]. One [GIC+11].
onc~on
[PG11]. optimization
Optimizing
[NTDD11, ZBS11, BCK11, CSS11].
organizational [BC11].
P [VHMP11]. paradigm
[GIM+11, PLP+11]. Parallel
[BM11, CHA+11, HLD11, SMD+11,
BCR+11, CHE11, HGK+11, IJ11, KWA+11,
LGS+11, MNSM11, PSH11, PLP+11,
SK11, SSWC11, SVC+11, SYS+11].
Parallelization [YIM11]. partitioning
PDE [DJP+11]. software [KDS+11].
Performance [HGKS11, IJ11, LCK11,
WMC+11, YTW+11, BHK11, BGTK+11,
Ben11, BC11, DEG+11, GIC+11, KGL+11,
Kra11, LBZ+11, MK+11, PG11, SVC+11,
SBD11, TAT+11, WOCS11]. performances
[SAT+11]. Peta-scale [SAT+11]. Petaflop
[BBE+11]. petascale [YTW+11]. petascale
[MSZ+11]. PFlop [LBKF11]. PFlop/s
[LBKF11]. phase [SAT+11]. phase-field
[SAT+11]. phenomena [VSZ+11]. Physic
[MNSM11]. placement [LBZ+11]. plane
[WW+11]. Platforms
[PW+11, IJ11, YIM11]. point [DEG+11].
populations [NG11]. porphyrin
POWER7 [BHK11]. POWER7-IH
[BHK11]. Practice [ACM11, PJR+11].
practices [MSBM11]. pre [HHIR11].
pre-copy [HHIR11]. principles [HIT+11].
process [FSL+11]. processing [BWL+11].
production [MSBM11, RKKH11].
program [Ben11]. programming [MNSM11]. programs [PSHI11]. project
[Har11, KD11]. projection [MK+11].
pseudopotential [WWJ+11]. Purlieus
[PSLJ11]. PVFS [TSP+11].
Q [CEH+11]. QA [LJA+11]. QCD
QR [BJLR11]. Qserv [WMLB11].
quantum [VSZ+11, YIM11]. qubit
[VSZ+11]. queries [KPB+11]. query
[BWL+11, CHA+11, LJA+11].
query-driven [LJA+11].
race [PSHI11]. random [SMDS11].
reconciling [TSP+11]. Reducing
[LBZ+11]. reduction [HLD11]. reliability
renormalization [YIM11]. replication
[FSL+11]. Reports [ACM11]. requests
[SKY11]. Research [YWY+11].
reservation [SKY11]. resolution
[TAT+11, WUE+11]. resource
[HM11, Har11, PSLJ11, SKY11]. restart
[NC11]. running [ZLZ+11]. runtime
[MSZ+11].
s [LBKF11]. SC’11 [LCK11]. Scalable
[GLJ11, HGD11, KKO+11, LPAZ11, BRE11, Car11, CHE11, MKB11, YBPH11]. Scale
[PWL+11, CHA+11, LGdS+11, LJA+11, LFG+11, MNSM11, MKPH11, SAT+11, WWJ+11, WOCS11, YBPH11]. scale-free
[YBPH11]. Scaling
[BCJ+11, MH11, MSZ+11]. scheduling
[CH11, GBL+11, SKY11]. Science
[YWY+11, PJR+11, SSWC11]. scientific
SCMFS [WR11]. search [BM11]. Seattle
[LCK11]. seismic [KDS+11]. semantic
[BRE11]. Server [SYS+11, FHL+11].
shared [GLJ11, WMLB11, ZDJ11].
Simplified [KWA+11]. simulation
[CHE11, JHN11, SAT+11]. simulations
[BBE+11, GIM+11, MIW+11, MSZ+11, VSZ+11]. Simulator [TAT+11]. single
[SSWC11]. skeletons [MK+11].
snapshots [NC11]. Sniper [CHE11]. SNL
[GIC+11]. solidification [SAT+11].
solution [MKPH11]. solver [NG11].
solvers [DJP+11]. Space [PWL+11].
specialization [BCK11]. specific [DJP+11].
stencil [MNSM11]. stochastic [LPAZ11].
stop [GIC+11]. Storage
[LCK11, FPRK11, WR11, ZDJ11].
strategies [BCHR+11]. streaming
[KPB+11]. strongly [YIM11].
strongly-correlated [YIM11]. Suite
[KGL+11]. supercomputer
[KGL+11, SAT+11, YWY+11].
supercomputers [GLJ11, MNSM11].
supercomputing [VHMP11]. support
[GIC+11, ZDJ11]. survey [PJR+11].
Sustained [Ben11, Kra11, LBKF11].
symmetric [HLD11, NTDD11]. synthetic
[GGJ1]. System [DEG+11, LCH+11, WMC+11, BBE+11, TSP+11, WR11].
System-level [DEG+11]. systematic
[HGKS11]. systems
[BHK11, BGTK+11, Ben11, BM11, CSS11, FSL+11, GJ11, HM11, HKG+11, KKO+11, LPAZ11, MIW+11, SVC+11, SYS+11, TPO+11, VHMP11, YIM11, ZDJ11].
technology [KD11]. testing [PG11]. text
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