Abbreviations

ARC	Anonymous Remote Computing
NOW	Network of Workstations
DP	Distributed Pipes
CORBA	Common Object Request Broker Architecture
GCCF	Grid Computation Capacity Factor
MPI	Message Passing Interface
MCC	Mobile Cluster Computing
ARMCC	Anonymous Remote Mobile Cluster Computing
SA	Simulated Annealing
JSS	Job Shop Scheduling Problem
TSP	Travelling Salesman Problem
RPC	Remote Procedure Calls
XDR	External Data Representation
SPMD	Single Program, Multiple Data
MPMD	Multiple Program, Multiple Data
RO	Read-Only
RW	Read-Write
WO	Write-Only
RIBs	Remote Instruction Blocks
REV	Remote Evaluation

NFS	Network File System
PVM	Parallel Virtual Machine
COP	Collection of Processes
FDDI	Fiber Distributed Data Interface
MPVM	Menage Parallel Virtual Machine
LAN	Local Area Network
DSM	Distributed Shared Memories
OBS	Object-based Sub-contracting
RFE	Remote Function Evaluation
ARCPs	ARC Primitives
HPF	Horse Power Factor
HPU	Horse Power Utilization
FSM	Finite State Machine
PTT	Program and Task Table
RIT	Recovery Information Table
RLT	Results List Table
TT	Task Table
ET	Event Table
LP	Linear Predictive
HPF	High Performance Fortran
TCP	Transmission Control Protocol
IGM	Iterative Grid Module
GCT	Grid Computation Task
GCP	Grid Computation Problem
UPT	User Process Information Table
UPBWT	User Processes Blocked for Write Table
GCTST	Grid Computation Task Submitted Table
DPT	Distributed Pipes Table
LCT	Local Coordinators Table

GCWT	Grid Computation Work Table
GCTT	Grid Computation Task Table
IGC	Iterative Grid Computation
CPU	Central Processing Unit
IDL	Interface Definition Language
ORB	Object Request Broker
ARTS	Adaptive Runtime System
MPP	Massively Parallel Processor
WAN	Wide Area Network
POA	Portable Object Adaptor
IIOP	Internet Inter-operability Protocol
MNO	Mobile Network Object
DCOM	Distributed Component Object Model
AMI	Asynchronous Method Invocation
IBM	International Business Machines
GCA	Genetic Clustering Algorithm
GA	Genetic Algorithm
MHz	Mega Hertz
GHz	Giga Hertz
CC	Cluster Coordinator
NAT	Network Address Translation
API	Application Programming Interface
FMI	Friend Machines Interface
GUI	Graphical User Interface
FCT	Friend Clusters Table
STT	Sub-task Table
MH	Mobile Host
MSS	Mobile Support Station
UT	Upper Threshold

LT	Lower Threshold
cc	Coordinators
CT	Computed Tomography
SPARC	Scalable Processor Architecture
CPM	Critical Path Method
TMA	Temperature Modifier Algorithm
LEA	Locking Edges Algorithm
MLEA	Modified Locking Edges Algorithm
VAL	(Lar Vaanhoren, Aarts and Lenstra)
DiPs	Distributed Problem Solver
SSA	Sequential Simulated Annealing
DSO	Distributed Shared Object
CH	Cluster Head
SO	Surrogate Object
PRAM	Pipelined Random Access Memory
GIS	Grid Information Services
MA	Mobile Agent
CERN	European Organization for Nuclear Research
LHC	Large Hadron Collider
LCG	LHC Computing Grid
IPG	Information Power Grid
PPDG	Particle Physics Data Grid
ARCC	Anonymous Remote Computing and Communication
DPS	Distributed Processing System
IPC	Inter Process Communication
RAID	Redundant Array of Independent Disks
CSP	Communicating Sequential Processes
LISP	LIST Processing
NCL	Network Command Language

www	World Wide Web
SCV	Stop Consonant Vowel
lc	local coordinator
sc	system coordinator
GMM	Gaussian Mixture Model
CSM	Constraint Satisfaction Model
NOP	No Parallelism
TD	Task and Data Parallelism exploited
no	Network Overhead
Rn	Resilience to Network Load
l_f	Load Fluctuation Factor
OO	Object Orientation/Oriented
oid	object identity
DII	Dynamic Invocation Interface
XML	Xtensible Markup Language
WP	Worker Process
IIT	Indian Institute of Technology
DNS	Domain Name Server
DTSS	Distributed Task Sharing System
ABZ	Adams, Balas and Zawack method
MSS	Matsuo, Suh and Sullivan method
CA	Clustering Algorithm