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List of Abbreviations

AGWL	Abstract Grid Workflow Language.
AMR	Adaptive Mesh Refinement.
API	Application Programming Interface.
ASCI	Advanced School of Computing and Imaging.
AWLB	Adaptive WorkLoad Balancing.
BG	Basic Greedy algorithm.
BGM	Basic Greedy Modified algorithm.
CE	Computing Element.
CNP	Computation-Network Prioritized algorithm.
CORBA	Common Object Request Broker Architecture.
DAS	Distributed ASCI Supercomputer.
DOP	Degree of Parallelism.
EGEE	Enabling Grids for E-sciencE.
GASS	Global Access to Secondary Storage.
GEMLCA	Grid Execution Management for Legacy Code Applications.
GSI	Grid Security Infrastructure.
GUI	Graphical User Interface.
HCG	Homogeneous Computational Grid.
IIOP	Internet Inter-Orb Protocol.
JNI	Java Native Interface.
LA	Legacy Application.
LBE	Lattice Boltzmann Equation.
LBM	Lattice Boltzmann Method.
MD	Migrating Desktop.
MDS	Monitoring and Discovery Service.
MPI	Message Passing Interface.
NFS	Network File System.
NWS	Network Weather Service.
ORB	Object Request Broker.
PECVD	Plasma Enhanced Chemical Vapour Deposition.
PKI	Public Key Infrastructure.
PSE	Problem Solving Environment.
QoS	Quality of Service.
RDG	Russian-Dutch computational Grid.
RM	Resource Manager.
RPC	Remote Procedure Call.

RSL	Resource Specification Language.
RTS	Run-Time System.
RTSM	Run-Time System Manager.
SA	Simulated Annealing.
SOA	Service Oriented Architecture.
SPMD	Single Process Multiple Data.
SWMS	Scientific Workflow Management System.
ULS	User-Level Scheduling.
VLAM-G	Virtual Laboratory AMsterdam on the Grid.
VNC	Virtual Network Computing.
VO	Virtual Organization.
VR	Virtual Reactor.
WMS	Workflow Management System.
WSDL	Web Service Description Language.
XDR	eXternal Data Representation.