

Project Name	Web site	Related topics
MAGMA		Math and I/O Libraries [AL]
cuBLAS		Math and I/O Libraries [AL]
Trilinos		Math and I/O Libraries [AL]
PETSc		Math and I/O Libraries [AL]
Adios		Math and I/O Libraries [AL]
PVFS		Math and I/O Libraries [AL]
PLFS		Math and I/O Libraries [AL]
GPFS		Math and I/O Libraries [AL]
CFDNS on Cell		Novel Algorithm Research [AL]
FEAST-GPU		Novel Algorithm Research [AL]
SCOUT		Scientific Toolkits / Libraries [AL]
libMesh		Scientific Toolkits / Libraries [AL]
netCDF		Scientific Toolkits / Libraries [AL]
Toolkits with Matlab		Scientific Toolkits / Libraries [AL]
BGL/PBGL		Scientific Toolkits / Libraries [AL]
Erlang		Fault Tolerance [AL]
OpenMPI		Fault Tolerance [AL]
compilers		Fault Tolerance [AL]
CUDA Zone		HMC Programming: Best Practices and Knowledge Transfer [PM]
Programming Motifs		HMC Programming: Best Practices and Knowledge Transfer [PM]
MAGMA Project		HMC Programming: Best Practices and Knowledge Transfer [PM]
Machine-specific training programs		HMC Programming: Best Practices and Knowledge Transfer [PM]
NVIDIA Nexus		Debugging and Performance Support [PM]
vampir		Debugging and Performance Support [PM]
oprofile		Debugging and Performance Support [PM]
TAU		Debugging and Performance Support [PM], Integrated Measures [PA]
TotalView		Debugging and Performance Support [PM]
Allinea DDT		Debugging and Performance Support [PM]
Charm++		Debugging and Performance Support [PM]
PAPI		Debugging and Performance Support [PM]
OpenCL		HMC and non-HMC Performance Portability [PM]
MCUDA		HMC and non-HMC Performance Portability [PM]
CUDA-FORTRAN		HMC and non-HMC Performance Portability [PM]
Matlab		Expressive Programming Environments [PM]
Mathematica		Expressive Programming Environments [PM]
Maple		Expressive Programming Environments [PM]
LabVIEW		Expressive Programming Environments [PM]
C2H		Expressive Programming Environments [PM]
MATLAB-to-FPGA		Expressive Programming Environments [PM]
Python: Copperhead, SciPy		Expressive Programming Environments [PM]
Thrust C++ CUDA library		Expressive Programming Environments [PM]
UPC, Titanium		Expressive Programming Environments [PM]
X10		Expressive Programming Environments [PM]
Chapel		Expressive Programming Environments [PM]
PCI-e Gen3		Accelerator / System Interface [AM]
Larabee		Accelerator / System Interface [AM]
Grand Fusion		Accelerator / System Interface [AM]
QPI / HT		Accelerator / System Interface [AM]
Networking Research projects		Accelerator / System Interface [AM]
NVIDIA		Accelerator Design [AM]
ATI		Accelerator Design [AM]
Intel		Accelerator Design [AM]
IBM		Accelerator Design [AM]
FPGAs		Accelerator Design [AM]
Tilera		Accelerator Design [AM]
Roadrunner		System Design [AM]
Lincoln		System Design [AM]
UHPC		Metrics [AM]
HP Exascale group		Metrics [AM]
Ocelot		Simulation and Modeling [AM]
SST		Simulation and Modeling [AM]

Project Name	Web site	Related topics
QEMU		Simulation and Modeling [AM]
MacSim		Simulation and Modeling [AM]
McPAT DRAMSim		Simulation and Modeling [AM]
Sim-Panalyzer		Simulation and Modeling [AM]
Mambo		Simulation and Modeling [AM]
IAA		Simulation and Modeling [AM]
BigSim		Simulation and Modeling [AM]
DiskSim		Simulation and Modeling [AM]
Lightweight OS projects		System Software [AM]
Heterogeneous-aware		System Software [AM]
OS/IO Function Shipping projects		System Software [AM]
Service Isolation projects		System Software [AM]
LANL/PAL		Predictive Modeling [PA], Instrumentation [PA]
ORNL		Predictive Modeling [PA], Instrumentation [PA]
PMAC/SDSC		Predictive Modeling [PA], Instrumentation [PA]
LBL/Roofline		Predictive Modeling [PA], Instrumentation [PA]
P-Bound (ANL)		Predictive Modeling [PA], Instrumentation [PA]
Rice		Predictive Modeling [PA], Instrumentation [PA]
Sandia/SST		Predictive Modeling [PA], Instrumentation [PA]
PGI		Integrated Measures [PA]
Dimemas		Integrated Measures [PA]
Atlas/Magma		Tools for Code Optimization [PA]
R-Stream (Reservoir)		Tools for Code Optimization [PA]
Ocelot		Tools for Code Optimization [PA]
Parlab (Berkeley)		Tools for Code Optimization [PA]
SCOUT		Tools for Code Optimization [PA]
Rich Vuduc/GTech		Tools for Code Optimization [PA]