



## Conference Schedule at a Glance

Sponsors:



Association for  
Computing Machinery



## Registration Pass Access - Technical Program

Each registration category provides access to a different set of conference activities.

Type of Event	Tutorials	Technical Program	Technical Program + Workshops	Workshop Only
Awards (Thursday)		*	*	*
Birds-of-a-Feather		*	*	
Broader Engagement & Educator Sessions (Sun/Mon)			*	*
Broader Engagement & Educator Sessions (Tue-Thu)		*	*	
Conference Reception (Thursday)		*	*	
Exhibit Floor		*	*	
Exhibitor Forum		*	*	
Exhibits Gala Opening (Monday)		*	*	
Invited Talks (Non-Plenary)		*	*	
Invited Talks (Plenary)		*	*	
Keynote (Tuesday)		*	*	
Panels (Tue-Thur)		*	*	
Panels (Friday Only)		*	*	
Papers		*	*	
Posters		*	*	
Poster Reception (Tuesday)		*	*	
Tutorial Lunch (Sun/Mon ONLY)	*			
Tutorial Sessions	*			
Student Cluster Competition		*	*	
Workshops			*	*

## Registration Pass Access - Exhibits

Each registration category provides access to a different set of conference activities.

Type of Event	Exhibitor	Exhibit Hall Only
Awards (Thursday)	*	*
Birds-of-a-Feather	*	
Exhibit Floor	*	*
Exhibitor Forum	*	
Exhibits Gala Opening (Monday)	*	
Exhibitor's Reception	*	
Invited Talks (Plenary)	*	
Keynote (Tuesday)	*	
Panels (Friday Only)	*	
Posters	*	*
Student Cluster Competition	*	

## SATURDAY, NOVEMBER 16

TIME	EVENT TYPE	SESSION	LOCATION
Noon-4:30	HPC Educators	LittleFe Setup	702/704/706
1:00-5:30	HPC Educators	Registration	708/710/712
1:30-5:00	Broader Engagement	Registration	705/707/709/711
5:00-6:00	Broader Engagement	Orientation	705/707/709/711
6:00-7:00	HPCI	Orientation	705/707/709/711
7:00-9:00	BE/HPC Educators	Networking Event	B Lobby

### Key Codes for Abbreviations

Apps= Applications

BE = Broader Engagement

HPC Ed = HPC Educators

HPCI = HPC Interconnections

PP = Parallel Programming

Perf = Performance

SCC = Student Cluster Competition

SciVis = Scientific Visualization

SRC= Student Research Competition

StuVol = Student Volunteers

... = More

*Maps are provided in the back of this booklet.*

*Due to space limitations, some session titles have been modified or abbreviated. Check the website for full titles.*

## SUNDAY, NOVEMBER 17

TIME	EVENT TYPE	SESSION	LOCATION
8:30-10:00	BE/HPC Educators	Plenary	705/707/709/711
8:30-Noon	Tutorial	Hybrid MPI/OpenMP Parallel Programming	407
8:30-Noon	Tutorial	InfiniBand/High-speed Ethernet for Dummies	201/203
8:30-Noon	Tutorial	Large Scale Visualization with ParaView	405
8:30-5:00	Tutorial	A "Hands-on" Introduction to OpenMP	402
8:30-5:00	Tutorial	Advanced MPI Programming	406
8:30-5:00	Tutorial	Debugging MPI & Hybrid/Heterogeneous Apps...	404
8:30-5:00	Tutorial	Globus Online and the Science DMZ as...	403
8:30-5:00	Tutorial	Hands-On Practical Hybrid Parallel App Perf Engr	301
8:30-5:00	Tutorial	OpenACC: Productive, Portable Perf on Hybrid...	401
8:30-5:00	Tutorial	Parallel Computing 101	303
8:30-5:00	Tutorial	Programming for the Intel Xeon Phi	205/207
8:30-5:00	Tutorial	Structured Parallel Programming with Patterns	302
9:00-5:30	Workshop	1st Wrkshp on Sustainable Software for Science...	503
9:00-5:30	Workshop	4th Wrkshp on Petascale (Big) Data Analytics...	501
9:00-5:30	Workshop	6th Wrkshp on Many-Task Computing on Clouds...	502
9:00-5:30	Workshop	Building Energy Efficient HPC: 4th Annual...	603
9:00-5:30	Workshop	IA <sup>3</sup> 2013 - 3rd Workshop on Irregular Apps	504

## SUNDAY, NOVEMBER 17

TIME	EVENT TYPE	SESSION	LOCATION
9:00-5:30	Workshop	3rd Intl Wrkshp on Network-Aware Data Mgmt	601
9:00-5:30	Workshop	4th Intl Wrkshp on Data-Intensive Computing...	507
9:00-5:30	Workshop	8th Workshop on Ultrascale Visualization	505
9:00-5:30	Workshop	8th Workshop on Workflow in Support of...	506
10:00-10:30	Tech Program Breaks		
10:30-Noon	Broader Engagement	Fortran 2008 Coarrays and Performance Analysis	705/707/709/711
10:30-Noon	HPC Educators	Supercomputing in Plain English	708/710/712
10:30-Noon	HPC Educators	LittleFe Buildout	702/704/706
1:30-3:00	Broader Engagement	Hands-On: Performance Analysis with TAU	705/707/709/711
1:30-3:00	HPC Educators	LittleFe Buildout	702/704/706
1:30-5:00	Tutorial	Adv Topics in InfiniBand/High-Speed Ethernet...	201/203
1:30-5:00	Tutorial	Practical Fault Tolerance on Today's HPC Systems	405
1:30-5:00	Tutorial	Scaling I/O Beyond 100,000 Cores using ADIOS	407
1:30-5:00	HPC Educators	Curriculum Workshop: Mapping CS2013 and NSF...	407
3:00-3:30	Tech Program Breaks		
3:30-5:00	Broader Engagement	Graphics and Visualization Technologies	705/707/709/711
3:30-5:00	HPC Educators	LittleFe Buildout	702/704/706
6:00-9:00	Invited Event	Exhibitors' Party (Buses depart starting at 5:45)	B Lobby

## MONDAY, NOVEMBER 18

TIME	EVENT TYPE	SESSION	LOCATION
8:30-10:00	BE/HPC Educators	Plenary Talks II	705/707/709/711
8:30-Noon	Tutorial	Advanced PGAS Programming in UPC	303
8:30-Noon	Tutorial	Effective Procurement of Supercomputers	302
8:30-Noon	Tutorial	How to Analyze the Performance of Parallel Codes 101	301
8:30-5:00	Tutorial	Advanced OpenMP: Performance and 4.0 Features	406
8:30-5:00	Tutorial	Asynchronous Hybrid and Heterogeneous PP	401
8:30-5:00	Tutorial	Debugging and Optimizing MPI and OpenMP...	405
8:30-5:00	Tutorial	Ensuring Network Performance with perfSONAR	402
8:30-5:00	Tutorial	Linear Algebra Libraries for HPC...	407
8:30-5:00	Tutorial	OpenCL: A Hands-On Introduction	403
8:30-5:00	Tutorial	Parallel I/O in Practice	205/207
8:30-5:00	Tutorial	Python in HPC	201/203
8:30-5:00	Tutorial	The Practitioner's Cookbook for Good Parallel Perf...	404
9:00-Noon	Workshop	Building Energy Efficient HPC	603
9:00-5:30	Workshop	4th International Workshop on Performance Modeling...	502
9:00-5:30	Workshop	4th Workshop on Latest Advances in Scala	507

## MONDAY, NOVEMBER 18

TIME	EVENT TYPE	SESSION	LOCATION
9:00-5:30	Workshop	Energy Efficient SuperComputing (E2SC)	210/120 (morning) and 603 (afternoon)
9:00-5:30	Workshop	Extreme-Scale Programming Tools	501
9:00-5:30	Workshop	Python for HP and Scientific Computing	505
9:00-5:30	Workshop	The 6th Workshop on HPC Finance	601
9:00-5:30	Workshop	The 8th Parallel Data Storage Workshop	503
9:00-5:30	Workshop	WOLFHPC: Workshop on Domain-Specific Languages	506
9:00-6:00	Workshop	The 2nd International Workshop on DISCS	504
10:00-10:30	Tech Program Breaks		
10:30-Noon	Broader Engagement	HPC applications	705/707/709/711
10:30-Noon	HPC Educators	Workshop on Parallel, Distributed, and HPC...	708/710/712
10:30-Noon	HPC Educators	LittleFe Buildout	702/704/706
1:30-3:00	Broader Engagement	Mentor/Protege Session & Mixer	705/707/709/711
1:30-3:00	HPC Educators	LittleFe Buildout	702/704/706
1:30-5:00	Tutorial	An Overview of Fault-Tolerant Techniques for HPC	301
1:30-5:00	Tutorial	Effective HPC Visualization and Data Analysis using VisIt	303
1:30-5:00	Tutorial	Introducing R: from Your Laptop to HPC and Big Data	302
3:00-3:30	Tech Program Breaks		
3:00-5:00	HPC Undergraduates	Orientation	703



## MONDAY, NOVEMBER 18

TIME	EVENT TYPE	SESSION	LOCATION
3:30-5:00	StuVol/BE	Prof Development: Navigating a Computing Career	705/707/709/711
3:30-5:00	HPC Educators	LittleFe Buildout	702/704/706
6:00-6:30	HPCI	SC First-Timers Introduction	705/707/709/711
6:00-9:00	Emerging Technologies	See website for list and descriptions	Booth 3547
6:00-9:00	SciVis Showcase	Scientific Visualization Showcase Exhibit	Mile High Pre-Function
7:00-8:00	HPC Impact Showcase	See website for list and descriptions	Booth 3947
7:00-9:00	Exhibit	Opening Gala & Reception	Exhibit Hall
7:00-9:00	SCC	Kickoff	Booth 3146

## TUESDAY, NOVEMBER 19

TIME	EVENT TYPE	SESSION	LOCATION
8:30-10:00	Keynote	The Secret Life of Data (Genevieve Bell)	Mile High
8:30-5:00	Posters	Research & ACM SRC exhibit	Mile High Pre-Function
8:30-5:00	SciVis Showcase	See website for list and descriptions	Mile High Pre-Function
9:00-5:30	Emerging Technologies	See website for list and descriptions	Booth 3547
10:00-10:30	Tech Program Breaks		
10:00-6:00	SCC	Student Cluster Competition	Booth 3146
10:20-2:30	HPC Impact Showcase	See website for list and descriptions	Booth 3947
10:00-10:30	Tech Program Breaks		
10:30-12:00	Awards	ACM Gordon Bell Finalists I	201/203
10:30-12:00	Student Volunteers	Prof. Develop. II: Bldg Your Technical Resume	601/603
10:30-12:00	Exhibitor Forum	Hardware & Architecture I	501/502
10:30-12:00	Exhibitor Forum	Moving, Managing & Storing Data I	503/504
10:30-12:00	HPC Educators	Special Session on Education & Workforce Dev.	708/710/712
10:30-12:00	HPC Educators	LittleFe Buildout	702/704/706
10:30-12:00	HPC Undergraduates	Introduction to HPC Research Topics	703
10:30-12:00	Invited Talks	Invited Talks 1	Mile High
10:30-12:00	Papers	Data Management in the Cloud	205/207

## TUESDAY, NOVEMBER 19

TIME	EVENT TYPE	SESSION	LOCATION
10:30-12:00	Papers	Graph Partitioning and Data Clustering	401/402/403
10:30-12:00	Papers	Inter-Node Communication	405/406/407
12:15-1:15	Birds of a Feather	Best Practices for Commissioning Liquid Cooling	404
12:15-1:15	Birds of a Feather	Building on the European Exascale Approach	210/212
12:15-1:15	Birds of a Feather	Collab Opps w/Open Science Data Cloud	205/207
12:15-1:15	Birds of a Feather	Getting Scientific Software Installed...	708/710/712
12:15-1:15	Birds of a Feather	Hadoop 2 and HPC: Beyond MapReduce	507
12:15-1:15	Birds of a Feather	Integration of NVM Tech in HPC Architectures...	601/603
12:15-1:15	Birds of a Feather	Maximize Data Center Power Efficiency...	201/203
12:15-1:15	Birds of a Feather	Open MPI State of the Union	301/302/303
12:15-1:15	Birds of a Feather	Python for HP and Scientific Computing	401/402/403
12:15-1:15	Birds of a Feather	SAGE for Global Collaboration	501/502
12:15-1:15	Birds of a Feather	Seventh Graph500 List	705/707/709/711
12:15-1:15	Birds of a Feather	Lustre Community: HPC and Big Data	405/406/407
12:15-1:15	Birds of a Feather	Software-Defined Networking in Big Data	703
12:15-1:15	Birds of a Feather	TORQUE: Where are We Now/Where are We Going	503/504
12:15-1:15	SIGHPC Meeting	ACM SIGHPC Annual Members Meeting	605
1:30-3:00	Awards	Cray/Fernbach/Kennedy Recipient Talks	Mile High
1:30-5:00	HPC Educators	Serious Computational Examples for Science Classes...	705/707/709/711

## TUESDAY, NOVEMBER 19

TIME	EVENT TYPE	SESSION	LOCATION
1:30-3:00	HPC Educators	LittleFe Buildout	702/704/706
1:30-3:00	Invited Talks	Invited Talks 2	Mile High
1:30-3:00	Panel	Future of Memory Tech for Exascale & Beyond	301/302/303
1:30-3:00	Papers	Cloud Resource Management & Scheduling	205/207
1:30-3:00	Papers	Energy Management	401/402/403
1:30-3:00	Papers	Extreme-Scale Applications	201/203
1:30-3:00	Papers	Load Balancing	405/406/407
3:00-3:30	Tech Program Breaks		
3:30-5:00	Student Volunteers	Professional Develop III: HPC Careers	601/603
3:30-5:00	Exhibitor Forum	Hardware & Architecture II	501/502
3:30-5:00	Exhibitor Forum	Moving, Managing & Storing Data II	503/504
3:30-5:00	HPC Educators	LittleFe Buildout	702/704/706
3:30-5:00	Invited Talks	Invited Talks 3	Mile High
3:30-5:00	Panel	Exascale Runtime Systems	301/302/303
3:30-5:00	Papers	Fault Tolerance and Migration in the Cloud	205/207
3:30-5:00	Papers	I/O Tuning	405/406/407
3:30-5:00	Papers	Physical Frontiers	201/203
3:30-5:00	Papers	System-wide App Performance Assessments	401/402/403

## TUESDAY, NOVEMBER 19

TIME	EVENT TYPE	SESSION	LOCATION
5:15-7:00	Posters	Research & ACM SRC Reception and Exhibit	Mile High Pre-Function
5:15-7:00	SciVis Showcase	Reception and Exhibit	Mile High Pre-Function
5:30-7:00	Birds of a Feather	Async & Adaptive Parallel Prog w/Charm++	702/704/706
5:30-7:00	Birds of a Feather	Campus Bridging w/XSEDE & Globus Online	601/603
5:30-7:00	Birds of a Feather	Defining Big Data: Industry Views on...	405/406/407
5:30-7:00	Birds of a Feather	Early Experiences on Intel® Xeon Phi Coprocessor	401/402/403
5:30-7:00	Birds of a Feather	Eclipse Parallel Tools Platform (PTP)	210/212
5:30-7:00	Birds of a Feather	Energy Efficient HPC	205/207
5:30-7:00	Birds of a Feather	G8 Extreme Scale and Big Data Program...	501/502
5:30-7:00	Birds of a Feather	HPC and the Web	703
5:30-7:00	Birds of a Feather	Mini-Applications for Exascale Perf Modelling	708/710/712
5:30-7:00	Birds of a Feather	MPICH: and HP Open-Source MPI Implementation	201/203
5:30-7:00	Birds of a Feather	OpenMP Goes Heterogeneous w/OpenMP 4.0	301/302/303
5:30-7:00	Birds of a Feather	Putting Workflows to Work	404
5:30-7:00	Birds of a Feather	SUPReMM...	507
5:30-7:00	Birds of a Feather	TOP500 Supercomputers	Mile High
5:30-7:00	Birds of a Feather	Towards Exascale Runtime Systems...	503/504
5:30-7:00	Birds of a Feather	Trends in Small HPC Center Management	705/707/709/711

## WEDNESDAY, NOVEMBER 20

TIME	EVENT TYPE	SESSION	LOCATION
8:30-10:00	Invited Talks	Invited Talks 4	Mile High
8:30-5:00	Posters	Research & ACM SRC exhibit	Mile High Pre-Function
8:30-5:00	SciVis Showcase	See website for list and descriptions	Mile High Pre-Function
9:00-5:30	Emerging Technologies	See website for list and descriptions	Booth 3547
10:00-10:30	Tech Program Breaks		
10:00-3:00	HPCI	Student Job/Opportunity Fair	605/607
10:00-4:30	SCC	Student Cluster Competition	Booth 3146
10:20-2:30	HPC Impact Showcase	See website for list and descriptions	Booth 3947
10:30-Noon	Awards	ACM Gordon Bell Finalists II	201/203
10:30-Noon	Exhibitor Forum	Effective Application of HPC I	503/504
10:30-Noon	Exhibitor Forum	HPC Futures & Exascale I	501/502
10:30-Noon	HPC Educators	An Educator's Toolbox for CUDA (Part 1)	708/710/712
10:30-Noon	HPC Educators	Exploring Parallelization Strategies...	702/704/706
10:30-Noon	HPC Undergraduates	Graduate Student Perspective	703
10:30-Noon	Invited Talks	Invited Talks 5	Mile High
10:30-Noon	Panel	Large Supercomputers and Networks	301/302/303

## WEDNESDAY, NOVEMBER 20

TIME	EVENT TYPE	SESSION	LOCATIO
10:30-Noon	Papers	Optimizing Data Movement	205/207
10:30-Noon	Papers	Parallel Prog Models and Compilation	405/406/407
10:30-Noon	Papers	Performance Management of HPC Systems	401/402/403
12:15-1:15	Birds of a Feather	App Migration & Perf Expectation for Manycore...	205/207
12:15-1:15	Birds of a Feather	Applications of LLVM to HPC	201/203
12:15-1:15	Birds of a Feather	Big Data and Extreme Computing...	503/504
12:15-1:15	Birds of a Feather	Chapel Lightning Talks 2013	601/603
12:15-1:15	Birds of a Feather	Community MOOC's for Computing Technologies...	705/707/709/711
12:15-1:15	Birds of a Feather	Heterogeneous Computing Platforms	708/710/712
12:15-1:15	Birds of a Feather	High Precision Arithmetic Operations...	301/302/303
12:15-1:15	Birds of a Feather	High-Performance Communication for HPC	404
12:15-1:15	Birds of a Feather	HPC Job Scheduling Challenges & Successes	702/704/706
12:15-1:15	Birds of a Feather	HPC Systems Engineering and Administration	501/502
12:15-1:15	Birds of a Feather	INCITE and Leadership-Class Systems	703
12:15-1:15	Birds of a Feather	Opportunities & Barriers for Comp Science Education	507
12:15-1:15	Birds of a Feather	PGAS: The Partitioned Global Address Space...	401/402/403
12:15-1:15	Birds of a Feather	OCR Framework for Exascale Systems	405/406/407
12:15-1:15	Birds of a Feather	Total Power Usage Effectiveness	210/212

## WEDNESDAY, NOVEMBER 20

TIME	EVENT TYPE	SESSION	LOCATION
12:20-2:20	HPC Impact Showcase	See website for list and descriptions	Booth 3947
1:30-3:00	Exhibitor Forum	Effective Application of HPC II	503/504
1:30-3:00	Exhibitor Forum	HPC Futures & Exascale II	501/502
1:30-3:00	HPC Educators	An Educator's Toolbox for CUDA (Part 2)	708/710/712
1:30-3:00	Invited Speaker	Invited Talks 6	Mile High
1:30-3:00	Panel	RDMA: Scaling I/O Architecture for Future Applications	301/302/303
1:30-3:00	Papers	Fault-Tolerant Computing	201/203
1:30-3:00	Papers	In-Situ Data Analytics and Reduction	205/207
1:30-3:00	Papers	Parallel Performance Tools	405/406/407
1:30-3:00	Papers	Preconditioners and Unstructured Meshes	401/402/403
1:30-3:00	SCC	Get Involved in the SCCCompetition	703
1:30-5:00	HPC Educators	CS in Parallel: Using Map-Reduce to Teach...	702/704/706
3:00-3:30	Tech Program Breaks		
3:30-5:00	ACM SRC Posters	Presentations	404
3:30-5:00	Broader Engagement	Session VI: Journal Publishing 101	703
3:30-5:00	Exhibitor Forum	HPC Futures & Exascale III	501/502
3:30-5:00	Invited Talks	Invited Talks 7	Mile High
3:30-5:00	Panel	Fault Tolerance/Resilience at Peta&Exascale	301/302/303
3:30-5:00	Papers	Engineering Scalable Applications	401/402/403
3:30-5:00	Papers	Improving Large-Scale Computation	205/207



## WEDNESDAY, NOVEMBER 20

TIME	EVENT TYPE	SESSION	LOCATION
3:30-5:00	Papers	Tools for Scalable Analysis	405/406/407
4:30-5:30	SCC	Grand Finale	Booth 3146
5:30-6:00	SCC	"Celebrity Pro-Am Cluster Challenge" Kickoff	Booth 3146
5:30-7:00	Birds of a Feather	Big Data, Big Compute...	301/302/303
5:30-7:00	Birds of a Feather	Codesign for DOE's Comp Science Community	702/704/706
5:30-7:00	Birds of a Feather	Cost-Benefit Quantification for HPC...	601/603
5:30-7:00	Birds of a Feather	Creating a Training Roadmap...	703
5:30-7:00	Birds of a Feather	Missing Pieces in Heterogeneous Accelerator Computing	401/402/403
5:30-7:00	Birds of a Feather	Understanding User-Level Activity...	205/207
5:30-7:00	Birds of a Feather	Evolution of and Experiences w/OpenACC	705/707/709/711
5:30-7:00	Birds of a Feather	Exascale I/O Initiative: Progress Status	708/710/712
5:30-7:00	Birds of a Feather	OpenCL: Version 2.0 and Beyond	405/406/407
5:30-7:00	Birds of a Feather	OpenSHMEM	201/203
5:30-7:00	Birds of a Feather	Reconfigurable Supercomputing	503/504
5:30-7:00	Birds of a Feather	Research Data Alliance (RDA) for HPC	501/502
5:30-7:00	Birds of a Feather	Super-R	404
5:30-7:00	Birds of a Feather	Techniques & Strategies for Debugging...	210/212
5:30-7:00	Birds of a Feather	The Green500 List and Its Evolution	Mile High
5:30-7:00	Birds of a Feather	Women in HPC Around the World	507

## THURSDAY, NOVEMBER 21

TIME	EVENT TYPE	SESSION	LOCATION
7:30-8:30	HPC Undergraduates	Breakfast	703
8:30-10:00	Invited Talks	Invited Talks 8	Mile High
8:30-Noon	SciVis Showcase	See website for list and descriptions	Mile High
			Pre-Function
8:30-5:00	Posters	Research & ACM SRC Exhibit	Mile High
			Pre-Function
9:00-2:00	Emerging Technologies	See website for list and descriptions	Booth 3547
10:00-10:30	Tech Program Breaks		
10:00-11:30	SCC	Celebrity Pro-Am Cluster Challenge	Booth 3146
10:20-1:00	HPC Impact Showcase	See website for list and descriptions	Booth 3947
10:30-Noon	Doctoral Showcase	Dissertation Research	601/603
10:30-Noon	Exhibitor Forum	Moving, Managing & Storing Data III	503/504
10:30-Noon	Exhibitor Forum	Software for HPC I	501/502
10:30-Noon	HPC Educators	Going Parallel with C++11	702/704/706
10:30-Noon	HPC Undergraduates	Careers in HPC	703
10:30-Noon	Invited Talks	Invited Talks 9	Mile High
10:30-Noon	Scinet	Network Research Exhibition	404

## THURSDAY, NOVEMBER 21

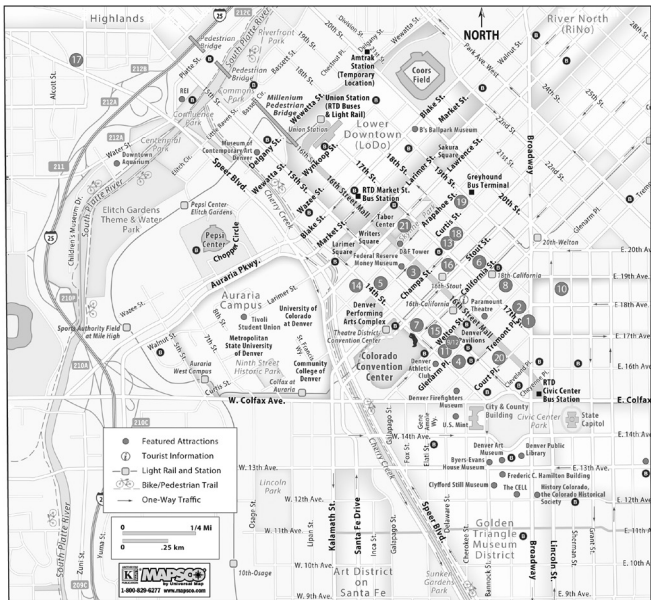
TIME	EVENT TYPE	SESSION	LOCATION
10:30-Noon	Panel	Emerging Technologies & Big Data	301/302/303
10:30-Noon	Papers	GPU Programming	205/207
10:30-Noon	Papers	Matrix Computations	401/402/403
10:30-Noon	Papers	Memory Resilience	405/406/407
10:30-Noon	Papers	Performance Analysis of Applications at Large Scale	201/203
12:15-1:15	Birds of a Feather	Grand Challenges in Heterogeneous Accelerator Era	401/402/403
12:15-1:15	Birds of a Feather	Computer Architecture Repositories...	404
12:15-1:15	Birds of a Feather	Enticing Users to Jump onto Accelerators	405/406/407
12:15-1:15	Birds of a Feather	Discussing an I/O Framework to Accelerate...	601/603
12:15-1:15	Birds of a Feather	Ethernet's Rate Roadmap	702/704/706
12:15-1:15	Birds of a Feather	Harnessing Accelerator Technology...	503/504
12:15-1:15	Birds of a Feather	Perspect. & Collab. from PRACE/XSEDE/RIKEN AICS	501/502
12:15-1:15	Birds of a Feather	New Devs in the APGAS Programming Model & X10	507
12:15-1:15	Birds of a Feather	Petascale Systems w/Intel Xeon Phi Co-Processors	301/302/303
12:15-1:15	Birds of a Feather	Slurm User Group Meeting	205/207
12:15-1:15	Birds of a Feather	The 2013 HPC Challenge Awards	201/203
12:15-1:15	Birds of a Feather	The Message Passing Interface: Version 3.0...	705/707/709/711
12:15-1:15	Birds of a Feather	The UDT Forum: A Community for Dev...	703
12:30-1:30	Awards	SC13 Conference Awards Presentations	Mile High
1:30-3:00	Awards	ACM Athena Award /SC13 Test of Time Award	Mile High

## THURSDAY, NOVEMBER 21

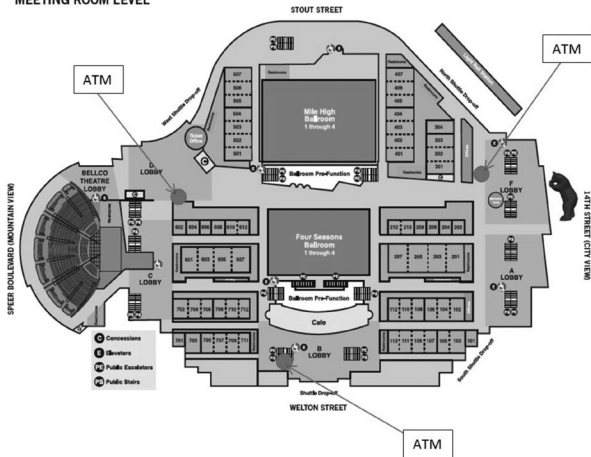
TIME	EVENT TYPE	SESSION	LOCATION
1:30-3:00	Doctoral Showcase	Dissertation Research	601/603
1:30-3:00	Exhibitor Forum	Moving, Managing & Storing Data IV	503/504
1:30-3:00	Exhibitor Forum	Software for HPC II	501/502
1:30-3:00	HPC Educators	High-level PP using Chapel	708/710/712
1:30-3:00	SCinet	Network Research Exhibition	404
1:30-3:00	Panel	Extreme Computing & Indus Competitiveness	301/302/303
1:30-3:00	Papers	Memory Hierarchy	405/406/407
1:30-3:00	Papers	MPI Performance and Debugging	201/203
1:30-3:00	Papers	Sorting and Graph Algorithms	205/207
1:30-3:00	SCinet	Network Research Exhibition	404
3:00-3:30	Tech Program Breaks		
3:00-5:00	Broader Engagment	Wrap Up/Scavenger Hunt Awards	705/707/709/711
3:30-5:00	Doctoral Showcase	Dissertation Research	601/603
3:30-5:00	Exhibitor Forum	Moving, Managing & Storing Data V	503/504
3:30-5:00	Exhibitor Forum	Software for HPC III	501/502
3:30-5:00	Panel	SC13 Silver Anniversary: Retrospective	Mile High
3:30-5:00	Papers	Application Performance Characterization	405/406/407
3:30-5:00	Papers	Optimizing Numerical Code	401/402/403
7:00-10:00	Invited Event	Technical Program Conference Reception (Buses depart starting at 6:30)	B Lobby

## FRIDAY, NOVEMBER 22

TIME	EVENT TYPE	SESSION	LOCATION
8:30-10:00	Panel	Programming and Managing Systems At Scale	401/402/403
8:30-10:00	Panel	The Importance of Metadata in an HPC World	405/406/407
8:30-12:00	Workshop	1st Intl Workshop on Software Engr for HPC...	210/212
8:30-12:00	Workshop	3rd Intl Wrkshp on HPC...for the Power Grid	601/603
8:30-12:00	Workshop	8th Wrkshp on Virtualization in HP Cloud Computing	503/504
8:30-12:00	Workshop	Exascale MPI	201/203
8:30-12:00	Workshop	Obtaining Bitwise Reproducible Results...	301/302/303
8:30-12:00	Workshop	VISTech Workshop: Visualization Infrastructure...	205/207
8:30-12:00	Workshop	Workshop on Large-Scale Data Analytics (LSDA)	501/502
10:00-10:30	Tech Program Breaks		
10:30-12:00	Panel	From the Exascale to the Sensor-Scale	405/406/407
10:30-12:00	Panel	Investing in Higher Education and Software...	401/402/403



## MEETING ROOM LEVEL



### ATMs

Three ATMs are located within the convention center, and you can find these located in the F Lobby, B Lobby and the D Lobby.

### Restrooms

Restrooms are located conveniently throughout the convention center, as follows:

### Exhibit Halls:

Hall A south & east  
Hall B south  
Hall C south & west  
Hall D west & north  
Hall E north  
Hall F north

### Street Level

A, C, D, Lobby  
B Lobby east & west  
300, 400, 500 Corridor  
F Lobby

### Ballrooms:

Pre-function space

### Bellco Theatre:

Lobby & Corridor

