



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 ³ 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 SCCompetition | 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 |

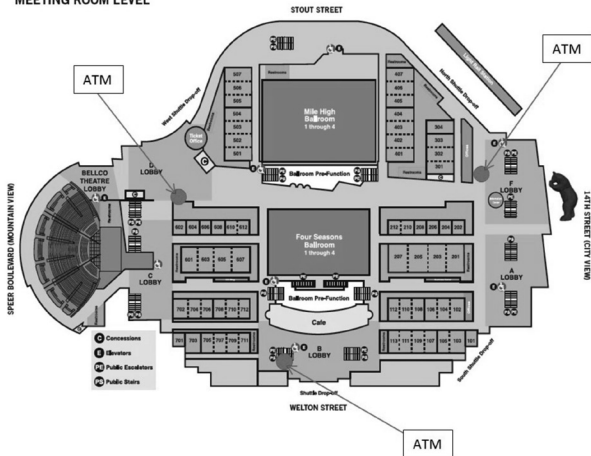
THURSDAY, NOVEMBER 21

| 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

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.