XSEDE16

B BOFs | K Break | C Campus Champions | P Plenary | R Registration | S Student Program

T Technical Program | L Tutorials | W Workshops

JULY 17 • SUNDAY

8:00am – 5:00pm	**W**	**RCN Workshop**	Junior Ballroom (InterContinental Miami)
8:00am – 5:00pm	**W**	**RCN Workshop Breakout**	Flagler (InterContinental Miami)
3:00pm – 6:00pm	**R**	**Registration**	Registration
6:00pm – 8:00pm	**S**	**Student and Student Mentor Dinner**	A Technical Program

XSEDE16

JULY 18 • MONDAY

7:00am – 5:00pm	**R Registration**	Registration
8:00am – 10:00am	**L Tutorials**	A Technical Program
8:00am – 12:00pm	**L Building a Campus Cyberinfrastructure Hub on the Cloud with HUBzero** *Speakers: David Benham, Carolyn Ellis, Elizabett Hillery, Preston Smith, Carol Song*	TBA
8:00am – 12:00pm	**L High Performance Modeling and Simulation with Eclipse ICE** *Speakers: Jay Jay Billings, Alex McCaskey, Gregory Watson*	TBA
8:00am – 12:00pm	**L How to Boost the Performance of your MPI and PGAS Applications with MVAPICH2 Libraries?** *Speakers: Khaled Hamidouche, Dhabaleswar Panda, Hari Subramoni*	TBA
8:00am – 12:00pm	**L Introduction to Scientific Visualization and Data Sharing** *Speakers: Amit Chourasia*	TBA
8:00am – 12:00pm	**L SciGaP Tutorial: Developing Science Gateways using Apache Airavata** *Speakers: Borries Demeler, Amit Majumdar, Suresh Marru, Mark Miller, Sudhakar Pamidighantam, Marlon Pierce*	TBA
8:00am – 12:00pm	**L Secure Coding Practices & Automated Assessment Tools** *Speakers: Elisa Heyman, Barton Miller*	TBA
8:00am – 12:00pm	**L Student Tutorial: Supercomputing in Plain English** *Speakers: Henry Neeman, Charles Peck*	TBA
8:00am – 12:00pm	**L Using Comet's Virtual Clusters** *Speakers: Trevor Cooper, Gregor von Laszewski, Mahidhar Tatineni, Rick Wagner, Fugang Wang*	TBA
8:00am – 12:00pm	**L XSEDE New User Tutorial: Using Science Gateways** *Speakers: Amit Majumdar, Suresh Marru, Mark Miller, Sudhakar Pamidighantam, Marlon Pierce*	TBA
8:00am – 12:00pm	**L XSEDE Tutorial Proposal: Introduction to Python Pandas for Data Analytics** *Speakers: Srijith Rajamohan*	TBA
8:00am – 5:00pm	**L Building the Modern Research Data Portal Using the Globus Platform** *Speakers: Steve Tuecke, Vas Vasiliadis*	TBA
8:00am – 5:00pm	**L Introduction to Quantum Computing 2016** *Speakers: Dianne Carr, Dr. Denny Dahl*	TBA
8:00am – 5:00pm	**L Programming Intel's 2nd Generation Xeon Phi (Knights Landing)** *Speakers: Antonio Gómez-Iglesias, Kent Milfeld, Carlos Rosales, Jerome Vienne*	TBA
8:00am – 5:00pm	**L Using the novel features of Bridges and optimizing for its Intel processors** *Speakers: Anirban Jana, Zhang Zhang*	TBA

8:00am – 5:00pm	**L**	**The many faces of data management, interaction, and analysis using Wrangler.**	TBA
		Speakers: Niall Gaffney, Amit Gupta, Ruizhu Huang, Christopher Jordan, David Walling, Weijia Xu	
8:00am – 5:00pm	**W**	**RCN Workshop**	Junior Ballroom (InterContinental Miami)
8:00am – 5:00pm	**W**	**RCN Workshop Breakout**	Flagler (InterContinental Miami)
8:00am – 5:00pm	**W**	**Wise2 Workshop**	Sevilla (InterContinental Miami)
10:00am – 10:30am	**K**	**Morning break**	A Technical Program
10:30am – 12:00pm	**L**	**Tutorials**	A Technical Program
12:00pm – 1:00pm	**K**	**Lunch**	A Technical Program
1:00pm – 3:00pm	**L**	**Tutorials**	A Technical Program
1:00pm – 5:00pm	**L**	**Building Parallel Scientific Applications Using GenASiS**	TBA
		Speakers: Reuben Budiardja, Christian Cardall	
1:00pm – 5:00pm	**L**	**Deploying and Using JupyterHub in an HPC environment**	TBA
		Speakers: Jonathan Anderson, Thomas Hauser	
1:00pm – 5:00pm	**L**	**Introduction to Brown Dog: An Elastic Data Cyberinfrastructure for Autocuration and Digital Preservation**	TBA
		Speakers: Jay Alameda	
1:00pm – 5:00pm	**L**	**Introduction to CUDA Programming in C and Fortran**	TBA
		Speakers: Lars Koesterke, Jeffrey Overbey	
1:00pm – 5:00pm	**L**	**Introduction to Python**	TBA
		Speakers: Kate Cahill, Antonio Gomez, Steven Lantz	
1:00pm – 5:00pm	**L**	**Introduction to Scientific Workflow Technologies on XSEDE**	TBA
		Speakers: Shanetu Jha, Marlon Pierce, Mats Rynge, Douglas Thain, Michael Wilde	
1:00pm – 5:00pm	**L**	**Parallel I/O - for Reading and Writing Large Files in Parallel**	TBA
		Speakers: Ritu Arora, John Cazes, Robert McLay	
1:00pm – 5:00pm	**L**	**Scientific Computing without the Command-line: An Intro to the Agave API**	TBA
		Speakers: Rion Dooley, John Fonner	
1:00pm – 5:00pm	**L**	**Using the XDMoD Job Viewer to Improve Job Performance**	TBA
		Speakers: Robert L. Deleon, Thomas Furlani, Steven M. Gallo, Matthew Jones, Joseph White	
1:00pm – 5:00pm	**L**	**XSEDE New User Tutorial**	TBA
		Speakers: Kevin Chen, Ken Hackworth, James Marsteller	
3:00pm – 3:30pm	**K**	**Afternoon Break**	A Technical Program
3:30pm – 5:00pm	**L**	**Hands on with Jetstream**	TBA
3:30pm – 5:00pm	**L**	**Teach GPU Accelerating Computing - Hands-on with NVIDIA Teaching Kit for University Educators**	TBA
		Speakers: Joseph Bungo, Wen-Mei Hwu	
3:30pm – 5:00pm	**L**	**Tutorials**	A Technical Program

5:15pm – 6:15pm	**B Birds of a Feather**	A Technical Program
5:15pm – 6:15pm	**B Coin of the Realm: Current practices and future opportunities in processing of XSEDE allocations awards and usage data**	TBA
5:15pm – 6:15pm	**B Enriching the XSEDE Ecosystem with Software Toolkits**	TBA
5:15pm – 6:15pm	**B Shared Solutions in HPC Training**	TBA
5:15pm – 6:15pm	**B XSEDE, the Science Gateways Community Institute and You**	TBA
6:30pm – 8:30pm	**C Campus Champions Networking Event**	A Technical Program

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B BOFs　K Break　C Campus Champions　P Plenary　R Registration　S Student Program
T Technical Program　L Tutorials　W Workshops

JULY 19 • TUESDAY

7:00am – 5:00pm	R	**Registration**	Registration
8:00am – 10:00am	P	**Opening Session**	A Technical Program
8:00am – 5:00pm	C	**Campus Champions**	Cambridge / Oxford (InterContinental Miami)
9:30am – 5:00pm	S	**Student Modeling Competition**	Student Program
10:00am – 10:30am	K	**Morning Break**	A Technical Program
10:30am – 12:00pm	T	**Technical Presentations**	A Technical Program
12:00pm – 1:00pm	K	**Lunch**	A Technical Program
12:00pm – 1:00pm	W	**Open SP Forum Meeting**	Workroom
1:00pm – 3:00pm	T	**Technical Presentations**	A Technical Program
3:00pm – 3:30pm	K	**Afternoon Break**	A Technical Program
3:30pm – 5:00pm	T	**Technical Presentations**	A Technical Program
5:15pm – 6:15pm	B	**Birds of a Feather**	A Technical Program
5:15pm – 6:15pm	B	**High Performance Computing for Humanities, Arts, and Social Science**	TBA
5:15pm – 6:15pm	B	**HPC and Data Analytics: High Performance Research Computing in the world of Data Science**	TBA
5:15pm – 6:15pm	B	**Persistent Community of Cyberinfrastructure Professionals: Challenges and Next Steps**	TBA
5:15pm – 6:15pm	B	**Value Analytics - a New Module for XDMoD**	TBA
5:15pm – 6:15pm	B	**XSEDE Resource Allocation Service (XRAS)**	TBA
7:00pm – 9:00pm	K	**Welcome Reception**	A Technical Program

JULY 20 • WEDNESDAY

7:00am – 5:00pm	R	**Registration**	Registration
8:00am – 10:00am	P	**Plenary Session**	A Technical Program
8:00am – 5:00pm	C	**Campus Champions**	Cambridge / Oxford (InterContinental Miami)
10:00am – 10:30am	K	**Morning Break**	A Technical Program
10:30am – 12:00pm	T	**Technical Presentations**	A Technical Program
12:00pm – 1:00pm	K	**Lunch**	A Technical Program
1:00pm – 3:00pm	T	**Technical Presentations**	A Technical Program
3:00pm – 3:30pm	K	**Afternoon Break**	A Technical Program
3:30pm – 5:00pm	T	**Technical Presentations**	A Technical Program

5:15pm – 6:15pm	**B** **Birds of a Feather**	A Technical Program
5:15pm – 6:15pm	**B** **Developing a System for HPC Administrators Professional Development**	TBA
5:15pm – 6:15pm	**B** **Future of XSEDE User Portal Services**	TBA
5:15pm – 6:15pm	**B** **Topics on Cloud and Virtualization in XSEDE**	TBA
5:15pm – 6:15pm	**B** **Understanding User-Level Activity on Today's Supercomputers with XALT**	TBA
6:15pm – 7:00pm	**K** **Speed Networking**	A Technical Program

JULY 21 • THURSDAY

8:00am – 10:00am	**P** **Plenary Panel**	A Technical Program
8:00am – 12:00pm	**C** **Campus Champions**	Cambridge / Oxford (InterContinental Miami)
10:00am – 10:30am	**K** **Morning Break**	A Technical Program
10:30am – 12:00pm	**T** **Technical Presentations**	A Technical Program
12:00pm – 1:00pm	**K** **Lunch**	A Technical Program
12:30pm – 1:00pm	**P** **2017 Conference Preview**	A Technical Program
1:00pm – 1:30pm	**P** **Awards Ceremony**	A Technical Program
1:30pm – 3:00pm	**P** **XSEDE All-Hands**	A Technical Program