Agenda for February 16

10:00 – 10:15  Welcome  
Max Davis-Johnson  
Associate Vice President  
Chief Information Officer  
Office of Information Technology

10:15 – 11:15  Advancing Research and Education with XSEDE  
Dr. Steven Gordon  
Senior Education Lead, Ohio  
Supercomputer Center  
Education Lead, XSEDE Project

11:15 – 12:00  Lightning Talks:  
Little Talks about Big Data and HPC  
Harold Blackman  
Associate Vice President  
Division of Research and  
Economic Development  

Presenters:  
Lejo Flores, Associate Professor, Department of Geosciences  
HPC+BigData for Understanding Idaho’s Water Resources in a Changing World  

Steve Cutchin, Associate Professor, Department of Computer Science  
Large Scale Visualization of Big Data  

James McNamara, Professor & Chair, Department of Geosciences  
Merging Long-Term Hydrologic Monitoring with Short Term Field Observations in a Virtual Watershed Platform Reveals Climate Change Impacts in the Boise Foothills  

Garrett McBrayer, Assistant Professor, Department of Marketing and Finance  
Clustering in Social Networks  

Sole Pera, Assistant Professor, Department of Computer Science  
Recommendation Systems from the Lab to the Real World  

Carl Siebert, Assistant Professor, Department of Curriculum, Instruction, and Foundational Studies  
Big Data Simulation: When Collecting Data is Not an Option

12:00 – 1:00  Resources Fair & Appetizer Lunch  
Visit the exhibitors and receive raffle tickets for a Giveaway Drawing!

Exhibitors:  
Research Computing Services Department  
Albertson’s Library & Data Management  
CAES Technical Assistance Program  
Idaho National Laboratory  
Office of Research Compliance  
Office of Research Development  
Office of Sponsored Programs  
Office of Technology Transfer  
Program Evaluation and Research Lab (PEARL)  
Space Planning

1:30 – 3:00  Integrating Computational Science into the Curriculum  
Dr. Steven Gordon  
Senior Education Lead, Ohio  
Supercomputer Center/XSEDE Project  

Please bring your laptop to the workshop.
Agenda for February 17

10:00 – 10:15  **Welcome**  
Harold Blackman  
Associate Vice President  
Division of Research and  
Economic Development

10:15 – 11:15  **Towards a National Cyber Ecosystem**  
Dr. Rudi Eigenmann  
Program Director  
Division of Advanced Cyberinfrastructure  
National Science Foundation

11:15 – 12:00  **Lightning Talks:**  
Max Davis-Johnson  
Associate Vice President  
Chief Information Officer  
Office of Information Technology

**Presenters:**

- Tim Andersen, Professor & Chair, Department of Computer Science  
  *Dockomatic: Efficient High Throughput Peptide Mutant Screening*

- Owen McDougal, Professor, Department of Chemistry  
  *Validating Prediction: How Good Are We?*

- Matt Masarik, Post-Doctoral Researcher, Department of Geosciences  
  *Large Data Set Logistics:*  
  *A 30-Year, High-Resolution Climate Simulation of Southern Idaho*

- Nayani Ilangakoon, Graduate Student, Department of Geosciences  
  *HPC for Waveform Lidar Processing - Retrieving Attributes in a Minute*

- Kimberly Gardner, Graduate Student, Public Policy Research Center  
  *Big Data Policing: Smarter or Just Trendy?*

- Claire Xiong, Assistant Professor, Department of Materials Science and Engineering  
  *Understanding Charge Transport in Nanostructured Energy Materials through Computational Modeling and Simulations*

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*Drawing for a FREE iPad end of day two!*