

# Storage Systems and Input/Output (SSIO) Workshop

## Agenda

<b>Wednesday, September 19, 2018</b>		
7:00am – 8:15am	Registration and Continental Breakfast	
8:15am – 8:35am	Welcome  Opening remarks: Reminder of charge, overview of meeting	<b>Barbara Helland</b> , <i>US Department of Energy</i>  <b>Lucy Nowell</b> , <i>US Department of Energy</i>
8:35am – 8:50am	Talk: Experimental and Observational Data	<b>Wes Bethel</b> , <i>Lawrence Berkeley National Laboratory</i>
8:50am – 9:05am	Talk: Streaming Data	<b>Graham Heyes</b> , <i>Thomas Jefferson National Accelerator Facility</i>
9:05am – 9:20am	Talk: Workflow Management	<b>Tom Peterka</b> , <i>Argonne National Laboratory</i>
9:20am – 10:00am	Talk: Science requirements for SSIO at the LCFs	<b>Jack Wells</b> , <i>Oak Ridge National Laboratory</i> <b>Kevin Harms</b> , <i>Argonne National Laboratory</i>
10:00am – 10:30am	Break	
10:30am – 11:45am	Panel: Applications and Facilities Requirements (Application Pull)  Participants: Wes Bethel, Graham Heyes, Jack Wells, Kevin Harms, Evan Felix, Tom Peterka, Kristy Kallback-Rose	<b>Moderator: Kathryn Mohror</b> , <i>Lawrence Livermore National Laboratory</i>
11:45am – 12:35pm	Lunch	
12:35pm – 2:05pm	Working Session 1: Integrating with Science Workflows	<b>Moderator: Scott Klasky</b> , <i>Oak Ridge National Laboratory</i>  <b>Scribe: Brad Settlemyer</b> , <i>Los Alamos National Laboratory</i>
2:05pm – 2:35pm	Break	
2:35pm – 4:05pm	Working Session 2: Understanding SSIO Systems	<b>Moderator: Rob Ross</b> , <i>Argonne National Laboratory</i>  <b>Scribe: Galen Shipman</b> , <i>Los Alamos National Laboratory</i>
4:05pm – 4:25pm	Break	
4:25pm – 5:55pm	Working Session 3: Streaming data	<b>Moderator: Matt Wolf</b> , <i>Oak Ridge National Laboratory</i>  <b>Scribe: Glenn Lockwood</b> , <i>Lawrence Berkeley National Laboratory</i>

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Thursday, September 20, 2018		
7:00am – 8:15am	Continental Breakfast	
8:15am – 8:30am	Talk: Extreme Heterogeneity Workshop Report	<b>Lucy Nowell</b> , <i>US Department of Energy</i>
8:30am – 8:50am	Talk: Storage Technologies	<b>Gary Grider</b> , <i>Los Alamos National Laboratory</i>
8:50am – 9:10am	Talk: Memory Technologies; Blurring the Lines	<b>Dan Ernst</b> , <i>Cray, Inc</i>
9:10am – 10:15am	Panel: Storage Technologies (Tech Push Panel)  Participants: Gary Grider, Kevin Harms, Eric Pouyoul, Dan Ernst, Lance Evans	<b>Moderator: Lee Ward</b> , <i>Sandia National Laboratories</i>
10:15am – 10:45am	Break	
10:45am – 12:15pm	Working Session 4: Heterogeneous/multi-tier storage systems Moderator: Kathryn Mohror Scribe: Kevin Harms	<b>Moderator: Kathryn Mohror</b> , <i>Lawrence Livermore National Laboratory</i>  <b>Scribe: Kevin Harms</b> , <i>Argonne National Laboratory</i>
12:15pm – 1:15pm	Lunch	
1:15pm – 1:30pm	Talk: ISDM Workshop	<b>Tom Peterka</b> , <i>Argonne National Laboratory</i>
1:30pm – 3:00pm	Working Session 5: Metadata, Name Spaces, and Provenance	<b>Moderator: Lee Ward</b> , <i>Sandia National Laboratories</i>  <b>Scribe: Quincey Koziol</b> , <i>Lawrence Berkeley National Laboratory</i>
3:00pm – 3:25pm	Break	
3:25pm – 4:55pm	Working Session 6: HW/SW architectures	<b>Moderator: Brad Settlemeyer</b> , <i>Los Alamos National Laboratory</i>  <b>Scribe: Rob Ross</b> , <i>Argonne National Laboratory</i>
4:55pm – 5:00pm	Closing remarks and adjourn	
5:00pm – 5:30pm	Writing team meet to discuss homework	

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## Agenda

Friday, September 21, 2018		
7:00am – 8:00am	Continental Breakfast	
8:00am - 12:00pm	Writing Organizers and Section Leads	