

**Smart High-Performance Networks  
Toward a New Generation of Intelligent Networking Infrastructure for  
Distributed Science Environment  
Workshop**

Rockville, Maryland  
December 8-9, 2016

Sponsored by the U.S. Department of Energy  
Office of Advanced Scientific Computing Research

**Thursday, December 8, 2016**

- 7:30 am Registration, Continental Breakfast
- 8:30 am Workshop Topics, Goals, and Report Schedule
- 9:00 am Plenary Talk 1  
*Talk by a thought leader on smart networks and smart applications;  
where we are today, role of SDN, emphasis on cross discipline  
integration*
- 9:45 am Technical Focus Area Overview and Charter  
*The leads from each technical focus areas provide an overview of the  
area, emphasizing the smart network context, setting the expectation  
for the level of discussion detail, and breakout group outputs*  
*Smart Networks*  
*Smart Applications*  
*AI Based Technology for Networks*  
*Smart Cyber Security Systems*
- 10:45 am Break, Refreshments
- 11:00 am Focus Area Breakout Groups  
*Parallel breakout groups for each technical focus areas:*  
*Smart Networks*  
*Smart Applications*  
*AI Based Technology for Networks*  
*Smart Cyber Security Systems*  
*Each breakout group may start with one or more talks by a technical  
area expert*
- 12:30 pm Lunch
- 1:30 pm Focus Area Breakout Groups
- 3:30 pm Breakout Group Summary Reports
- 5:00 pm Discussion about the workshop process and activities,  
Review plan for next day
- 5:30 pm Dinner: on your own

**Friday, December 9, 2016**

7:30 am Continental Breakfast  
8:30 am Welcome and Plan for the day  
8:45 am Focus Area Breakout Groups  
10:45 am Break, Refreshments  
11:00 am Focus Area Breakout Groups  
12:30 pm Lunch  
1:30 pm Breakout Group Summary Reports  
2:30 pm Group Discussion and Workshop Summary  
3:00 pm Workshop End  
  
3-4:00 pm Workshop Report Writing Group