# AGENDA
## ADVANCED SCIENTIFIC COMPUTING ADVISORY COMMITTEE
### Thursday, July 21, 2022
### Westin Crystal City, 1800 Richmond Hwy, Arlington, VA 22202
### And Zoom Televideo/Teleconference – connection information below
### All times are U.S. Eastern Daylight Time

| | |
|---|---|
| **10:00 AM-**<br>**10:05 AM** | **OPENING REMARKS FROM THE COMMITTEE CHAIR**<br>Dan Reed, ASCAC |
| **10:05 AM-**<br>**10:45 AM** | **VIEW FROM GERMANTOWN**<br>Barbara Helland, Associate Director for Advanced Scientific Computing Research (ASCR) |
| **10:45 AM-**<br>**11:15 AM** | **PROGRAM RESPONSE TO REPORT FROM THE COMMITTEE OF VISITORS**<br>Ceren Susut, Research Division Director, Advanced Scientific Computing Research |
| **11:15 AM-**<br>**NOON AM** | **UPDATE ON EXASCALE SYSTEMS - FRONTIER**<br>Justin Whitt, Oak Ridge National Laboratory |
| **NOON-**<br>**12:15 PM** | **ASCAC DISCUSSION ON FUTURE OF ADVANCED COMPUTING** |
| **12:15 PM-**<br>**1:15 PM** | **LUNCH** |
| **1:15 PM-**<br>**2:00 PM** | **GENERAL ELECTRIC (GE) COLLABORATIONS WITH DOE AT THE EXASCALE**<br>Rick Arthur, GE Research and ASCAC |
| **2:00 PM-**<br>**3:00 PM** | **BESAC ASSESSMENT ON INTERNATIONAL STANDING**<br>Cynthia M. Friend, President of the Kavli Foundation and Dr. Jeff Miller, Harvard |
| **3:00 PM-**<br>**3:30 PM** | **OPTIMIZING THE PERFORMANCE OF FUSION REACTORS AT EXASCALE**<br>Noah Mandell, Massachusetts Institute of Technology and DOE CSGF Alumnus and Howes Scholar |
| **3:30 PM-**<br>**4:00 PM** | **ASCR LEADERSHIP COMPUTING CHALLENGE PORTFOLIO FOR 22-23 ALLOCATION YEAR**<br>Jordan Thomas, ASCR |
| **4:00 PM** | **PUBLIC COMMENT AFTER WHICH ASCAC WILL ADJOURN FOR THE DAY** |

--------------------------------------------------------------------------------------------------------

Join ZoomGov Meeting

https://www.zoomgov.com/j/1600122921?pwd=VXEzajV3SDhkbytHV0xwQmI4OGZNUT09

Meeting ID: 160 012 2921
Passcode: 691628

Dial     833 568 8864 US Toll-free
Find your local number: https://www.zoomgov.com/u/abtOnFBcUB

Join by SIP: 1600122921@sip.zoomgov.com

Join by H.323:
161.199.138.10 (US West)
161.199.136.10 (US East)
Meeting ID: 160 012 2921
Passcode: 691628

To test your configuration, click https://zoomgov.com/test
For assistance contact Bruce Warford, Bruce.Warford@orau.org
=========================================================

ASCAC G-Drive shared area, please upload all slides here: https://drive.google.com/drive/folders/1ajNqMtEyB5ONDjUJJEJHA0TIviMqMwNP?usp=sharing

# AGENDA
## ADVANCED SCIENTIFIC COMPUTING ADVISORY COMMITTEE
### Friday, July 22, 2022
### Westin Crystal City, 1800 Richmond Hwy, Arlington, VA 22202
### And Zoom Televideo/Teleconference – connection information below
### All times are U.S. Eastern Daylight Time

| | |
|---|---|
| **10:00 AM-**<br>**10:30 AM** | **DYNAMIC MODELING AND OPTIMAL SCHEDULING OF CHEMICAL PROCESSES PARTICIPATING IN FAST-CHANGING ELECTRICITY MARKETS**<br>Morgan Kelley, Dell Technologies and DOE CSGF Alumna and Howes Scholar |
| **10:30 AM-**<br>**11:00 AM** | **VIEW FROM WASHINGTON (CONFIRMATION PENDING – TIME MAY CHANGE)**<br>Asmeret Berhe, Director of the Office of Science |
| **11:00 AM-**<br>**12:15 PM** | **ARTIFICIAL INTELLIGENCE TESTBEDS AT ARGONNE**<br>Venkat Vishwanath, Argonne National Laboratory |
| **12:15 PM-**<br>**1:00 PM** | **EXASCALE COMPUTING PROJECT UPDATE – SOFTWARE TECHNOLOGIES**<br>Mike Heroux, Sandia National Laboratories and Todd Munson, Argonne National Laboratory |
| **1:00 PM** | **PUBLIC COMMENT AFTER WHICH ASCAC WILL ADJOURN FOR THE DAY** |

---

## Join ZoomGov Meeting

https://www.zoomgov.com/j/1600122921?pwd=VXEzajV3SDhkbytHV0xwQmI4OGZNUT09

Meeting ID: 160 012 2921
Passcode: 691628

Dial    833 568 8864 US Toll-free
Find your local number: https://www.zoomgov.com/u/abtOnFBcUB

Join by SIP: 1600122921@sip.zoomgov.com

Join by H.323:
161.199.138.10 (US West)
161.199.136.10 (US East)
Meeting ID: 160 012 2921
Passcode: 691628

To test your configuration, click https://zoomgov.com/test
For assistance contact Bruce Warford, Bruce.Warford@orau.org
========================================================

ASCAC G-Drive shared area, please upload all slides here: https://drive.google.com/drive/folders/1ajNqMtEyB5ONDjUJJEJHA0TIviMqMwNP?usp=sharing