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- 10:05 AM OPENING REMARKS FROM THE COMMITTEE CHAIR
Dan Reed, ASCAC

10:05 AM- 10:45 AM VIEW FROM GERMANTOWN
Barbara Helland, Associate Director for Advanced Scientific Computing Research (ASCR)

10:45 AM- 11:15 AM PROGRAM RESPONSE TO REPORT FROM THE COMMITTEE OF VISITORS
Ceren Susut, Research Division Director, Advanced Scientific Computing Research

11:15 AM- NOON AM UPDATE ON EXASCALE SYSTEMS - FRONTIER
Justin Whitt, Oak Ridge National Laboratory

NOON-12:15 PM ASCAC DISCUSSION ON FUTURE OF ADVANCED COMPUTING

12:15 PM- 1:15 PM LUNCH

1:15 PM- 2:00 PM GENERAL ELECTRIC (GE) COLLABORATIONS WITH DOE AT THE EXASCALE
Rick Arthur, GE Research and ASCAC

2:00 PM- 3:00 PM BESAC ASSESSMENT ON INTERNATIONAL STANDING
Cynthia M. Friend, President of the Kavli Foundation and Dr. Jeff Miller, Harvard

3:00 PM- 3:30 PM OPTIMIZING THE PERFORMANCE OF FUSION REACTORS AT EXASCALE
Noah Mandell, Massachusetts Institute of Technology and DOE CSGF Alumnus and Howes Scholar

3:30 PM- 4:00 PM ASCR LEADERSHIP COMPUTING CHALLENGE PORTFOLIO FOR 22-23 ALLOCATION YEAR
Jordan Thomas, ASCR

4:00 PM PUBLIC COMMENT AFTER WHICH ASCAC WILL ADJOURN FOR THE DAY

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Join ZoomGov Meeting
https://www.zoomgov.com/j/1600122921?pwd=VXEzajV3SDhlbytHVxwQm14OGZmUT09
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

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ASCAC G-Drive shared area, please upload all slides here: https://drive.google.com/drive/folders/1ajNqM9tEy850DjUjJEHAI0T1viMqMwNP?usp=sharing
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10:00 AM-10:30 AM DYNAMIC MODELING AND OPTIMAL SCHEDULING OF CHEMICAL PROCESSES PARTICIPATING IN FAST-CHANGING ELECTRICITY MARKETS
Morgan Kelley, Dell Technologies and DOE CSGF Alumna and Howes Scholar

10:30 AM-11:00 AM VIEW FROM WASHINGTON (CONFIRMATION PENDING – TIME MAY CHANGE)
Asmeret Berhe, Director of the Office of Science

11:00 AM-12:15 PM ARTIFICIAL INTELLIGENCE TESTBEDS AT ARGONNE
Venkat Vishwanath, Argonne National Laboratory

12:15 PM-1:00 PM EXASCALE COMPUTING PROJECT UPDATE – SOFTWARE TECHNOLOGIES
Mike Heroux, Sandia National Laboratories and Todd Munson, Argonne National Laboratory

1:00 PM PUBLIC COMMENT AFTER WHICH ASCAC WILL ADJOURN FOR THE DAY

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