

**AGENDA**  
**ADVANCED SCIENTIFIC COMPUTING ADVISORY COMMITTEE**  
**Wednesday, December 12, 2018**  
**Zoom Televideo/Teleconference only – connection information below**

**11:00 AM- OPENING REMARKS FROM THE COMMITTEE CHAIR**

**11:05 AM** Dan Reed, ASCAC

**11:05 AM- ATTACKING THE OPIOID EPIDEMIC: DETERMINING THE EPISTATIC AND PLEIOTROPIC  
11:30 AM GENETIC ARCHITECTURES FOR CHRONIC PAIN AND OPIOID ADDICTION**

Dan Jacobson, Oak Ridge National Laboratory

**11:30 AM- UPDATE ON EXASCALE APPLICATIONS**

**12:00 PM** Andrew Siegel, Argonne National Laboratory

**12:00 PM- EXASCALE DEEP LEARNING FOR CLIMATE ANALYTICS**

**12:30 PM** Thorsten Kurth, Lawrence Berkeley National Laboratory

**12:30 PM- BREAK**

**12:45 PM**

**12:45 PM- REPORT FROM THE SUBCOMMITTEE ON 40<sup>th</sup> ANNIVERSARY ACCOMPLISHMENTS**

**1:15 PM** Paul Messina, ASCAC

**1:15 PM- VIEW FROM GERMANTOWN – UPDATE ON ASCR**

**1:45 PM** Barbara Helland, Associate Director of the Office of Science for ASCR

**1:45 PM- UPDATE ON NEW SUBCOMMITTEE**

**2:00 PM** Dan Reed, ASCAC

**2:00 PM- NERSC-9 UPGRADE**

**2:30 PM** Sudip Dosanjh, Lawrence Berkeley National Laboratory

**2:30-3:00 REPORT ON BASIC RESEARCH NEEDS FOR MICROELECTRONICS WORKSHOP**

Dan Reed, ASCAC

**2:45 PM- PUBLIC COMMENT AFTER WHICH ASCAC WILL ADJOURN FOR THE DAY**

**3:00 PM**

Join from PC, Mac, Linux, iOS or Android: <https://science.zoom.us/j/309834461>

Or join by phone:

+1 646 876 9923 (US Toll) or +1 669 900 6833 (US Toll)

Meeting ID: 309 834 461

Or join from a H.323/SIP room system:

H.323: 162.255.37.11 (US West) or 162.255.36.11 (US East)

Meeting ID: 309 834 461