AGENDA
ADVANCED SCIENTIFIC COMPUTING ADVISORY COMMITTEE
Theory and Computing Sciences Conference Center - Building 240
Argonne National Laboratory - 9700 S. Cass Avenue - Argonne, IL 60439-4844

Tuesday, November 9, 2010

8:00 AM 8:30 AM	**PUBLIC REGISTRATION**
8:30 AM 8:35 AM	**OPENING REMARKS FROM THE COMMITTEE CHAIR** Roscoe Giles, ASCAC
8:35 AM 9:00 AM	**VIEW FROM WASHINGTON/GERMANTOWN** Daniel Hitchcock, Advanced Scientific Computing Research (ASCR)
9:00 AM 10:00 AM	**REPORT FROM ASCAC EXASCALE SUBCOMMITTEE** Robert Rosner, University of Chicago
10:00 AM 10:30 AM	**ASCAC DISCUSSION OF EXASCALE REPORT** ASCAC
10:30 AM 11:00 AM	**COMPUTING AT ARGONNE NATIONAL LABORATORY** Mike Papka, Deputy Associate Laboratory Director, Argonne National Laboratory
11:00 AM 11:30 AM	**PROGRAM RESPONSE TO APPLIED MATHEMATICS COV** Christine Chalk, ASCR
11:30 AM 12:15 AM	**A UNIFIED RUNTIME INFRASTRUCTURE FOR EXASCALE PROGRAMMING MODELS** Pavan Balaji, Argonne National Laboratory
12:15 AM 12:30 AM	**PUBLIC COMMENT**
12:30 PM	**ADJOURN COMMITTEE MEETING**
12:30 PM 1:30 PM	**COMMITTEE LUNCH**
1:30 PM 4:45 PM	**COMMITTEE TOUR OF ARGONNE NATIONAL LABORATORY**

AGENDA
Wednesday, November 10, 2010

8:00 AM 8:30 AM	**JOULE CODES** Christine Chalk, ASCR
8:30 AM 9:15 AM	**SOFTWARE TOOLS AND APPLICATIONS FOR COMPUTATIONAL CHEMISTRY BEYOND THE PETASCALE** Jeff Hammond, Argonne National Laboratory
9:15 AM 10:00 AM	**TOWARDS EXTREME-SCALE: HIGH-ORDER ALGORITHMS FOR ELECTROMAGNETIC AND FLUID MODELING** Misun Min, Argonne National Laboratory
10:00 AM 10:45 AM	**PLANNING FOR THE EXASCALE SOFTWARE CENTER** Rob Ross, Argonne National Laboratory
10:45 AM 11:00 AM	**BREAK**
11:00 AM 11:45 AM	**AUTOMATIC DIFFERENTIATION IN COMPUTATIONAL SCIENCE** Boyanna Norris, Argonne National Laboratory
11:45 AM 12:00 PM	**PUBLIC COMMENT**
12:00 PM	**ADJOURN MEETING**