

AGENDA
ADVANCED SCIENTIFIC COMPUTING ADVISORY COMMITTEE
Tuesday, August 11, 2009
American Geophysical Union - 2000 Florida Avenue, NW, Washington, DC

8:00 AM
9:00 AM **PUBLIC REGISTRATION**

8:30 AM **CLOSED ASCAC MEETING – SWEARING IN OF NEW MEMBERS**
9:00 AM DOE Human Resources

9:00 AM **OPENING REMARKS FROM THE COMMITTEE CHAIR**
9:05 AM Roscoe Giles, ASCAC

9:05 AM **OFFICE SCIENCE UPDATE**
10:00 AM William Brinkman, Director of the Office of Science

10:00 AM
10:15 AM **BREAK**

10:15 AM **ASCR UPDATE**
11:00 AM Michael Strayer, ASCR

11:00 AM **DEPARTMENT OF ENERGY SCIENCE**
11:45 AM Steven Koonin, Under Secretary for Science

11:45 PM
1:00 PM **COMMITTEE LUNCH**

1:00 PM **HIGH PERFORMANCE COMPUTING FOR RENEWABLE ENERGY**
1:45 PM Steve Hammond, National Renewable Energy Laboratory

1:45 PM **DISCUSSION OF THE NATIONAL RESEARCH COUNCIL’S REPORT ON THE
POTENTIAL IMPACT OF HIGH-END CAPABILITY COMPUTING ON FOUR
2:30 PM** **ILLUSTRATIVE FIELDS OF SCIENCE AND ENGINEERING**
Phil Colella, Lawrence Berkeley National Laboratory

2:30 PM
2:45 PM **BREAK**

2:45 PM **EMERGING STANDARDS AND TOOLS RELATED DEVELOPMENT INCLUDING
3:45 PM** **COMPILER INFRASTRUCTURE AND OPTIMIZATION**
Roch Archambault, IBM Toronto Lab

3:30 PM **ARRA UPDATE – MAGELLAN (CLOUD COMPUTING FOR SCIENCE), LEADERSHIP
4:00 PM** **COMPUTING UPGRADE, AND ADVANCED COMPUTER ARCHITECTURES**
Dan Hitchcock, ASCR

4:00 PM **ARRA UPDATE – ADVANCED NETWORKING INITIATIVE, SCIDAC-E**
4:45 PM Vince Dattoria and Walt Polansky, ASCR

4:45 PM
5:00 PM **PUBLIC COMMENT**

5:00 PM **ADJOURN FOR THE DAY**

DINNER SPEAKER – SOMMER GENTRY, U.S. NAVAL ACADEMY

AGENDA
ADVANCED SCIENTIFIC COMPUTING ADVISORY COMMITTEE
Wednesday, August 12, 2008
American Geophysical Union - 2000 Florida Avenue, NW, Washington, DC

8:30 AM UPDATE FROM THE ASCAC COMMITTEE OF VISITORS

9:15 AM Dona Crawford, Lawrence Livermore National Laboratory

9:15 AM HIGH PERFORMANCE COMPUTING AT THE NATIONAL SCIENCE FOUNDATION

10:00 AM Ed Seidel, National Science Foundation

10:00 AM BREAK

10:15 AM

10:15 AM REPORT ON “CHALLENGES IN CLIMATE CHANGE SCIENCE AND THE ROLE OF COMPUTING AT THE EXTREME SCALE”

11:00 AM Warren Washington, National Center for Atmospheric Research

11:00 AM PETASCALE SCIENCE

11:45 AM Doug Kothe, Oak Ridge National Laboratory

11:45 AM PUBLIC COMMENT

12:00 PM

12:00 PM ADJOURN MEETING