

Simulation and Modeling at the Exascale for  
Energy, Ecological Sustainability and Global Security (E3SGS) Town Hall Meeting  
362 Auditorium  
Argonne National Laboratory  
May 31 – June 1, 2007

**Agenda**

**Thursday, May 31**

- 8:00 – 8:15 Welcome and Introduction – Rick Stevens, Associate Laboratory Director, Computing and Life Sciences, ANL
- 8:15 – 8:45 Opening Remarks – Kick-off announcement for town hall meeting series – Michael Strayer, Associate Director, ASCR
- 8:45 – 10:00 “Energy, Environmental Sustainability and the Role of High-End Computing” – Robert Rosner, Laboratory Director, ANL
- 10:00 – 10:30 Morning Break – Auditorium/Rotunda**
- 10:30 – 11:15 "Potential Applications of Exascale Computing in Economics" – Kenneth L. Judd, Paul H. Bauer Senior Fellow, Hoover Institution
- 11:15 – 11:30 Agenda and Instructions for Town Hall – Rick Stevens
- 11:30 – 3:30 Breakout group discussions (working lunch scheduled noon-1p.m. – pick up lunches Auditorium/Rotunda and continue discussions)
- B1 Climate – Hosts: Kemner/Kotamarthi
  - B2 Energy – Hosts: Frank/Nowak
  - B3 Biology – Hosts: Edwards/Meyer
  - B6 Socio-economic Modeling – Hosts: Foster/Jacob
  - B9 Astrophysics – Hosts: Fischer/Lamb
  - B10 Industrial Processes and Manufacturing – Hosts: Hassanein/More
- 2:00-2:30 Afternoon Break – Auditorium Rotunda**
- 3:30 – 5:30 Report back from breakout groups (each group 20min)
- 5:30 Adjourn

**Friday, June 1**

- 8:00 – 8:15 Welcome Back and Agenda for Day 2 - Rick Stevens
- 8:15 – 12:00 Breakout group discussions (working lunch scheduled 11:30-12:30.m. – pick up lunches at Auditorium/Rotunda and continue discussions/report writing)
- B4 Cyberinfrastructure – Hosts: Catlett/Papka
  - B5 Hardware – Hosts: Beckman/Gropp
  - B7 Math – Hosts: Hereld/Norris
  - B8 Software – Hosts: Lusk/Ross
- 10 – 10:30 Morning Break – Auditorium Rotunda**
- 12:00 – 1:00 Report back from breakout groups (each group 15min)
- 1:00 – 2:00 Next steps/Comments – Rick Stevens, Horst Simon, Jeff Nichols
- 2:00 Adjourn