

Workshop on Simulation and Modeling for Advanced Nuclear Energy Systems  
DoubleTree Washington Hotel  
1515 Rhode Island Avenue NW  
Washington, DC 2005  
August 15-17, 2006  
Draft agenda

**August 15, 2006, 8:00am**

- 8:00a.m. Introduction: **Orbach/Reis/Spurgeon**
- 9:00a.m. Charge: **Strayer/Herczeg**
- 9:15a.m. Goals of the meeting and plan: **Stevens/Keyes**
- 9:30a.m. **Break**
- 10:00a.m. Overview talks on the needs of NE, including summary of previous workshops and presentation of the key problems NE faces moving forward: **TBA**
- 11:00a.m. Move without break from plenary into breakouts - Nuclear Engineering breakouts (*6 breakouts by NE domain areas: reactor core simulation, materials and fuels, separations chemistry, repository modeling, seismic/structural/balance of plant, validation*)
- 12:30p.m. **Lunch**
- 1:30p.m. Breakouts in NE mode (*continued, as above*)
- 3:30p.m. **Break**
- 4:00p.m. Plenary session with breakout reports (*6 @ 20 minutes ea.*)
- 6p.m. **Dinner**
- 7:30p.m. Breakout leaders confer, to pass NE agendas into OASCR agendas

**August 16, 2006, 9:00am**

- 9:00a.m. Comments and open discussion on progress from the NE breakouts: **Stevens/Keyes**
- 9:15a.m. Direction of the ASCR program: **Strayer**
- 9:30a.m. Overview talks on the capabilities of OASCR: **TBA**
- 10:30a.m. **Break**
- 11:00a.m. Computer Science and Computational Mathematics breakouts (*6 breakouts by ASCR domain areas: mathematical and geometrical modeling, scalable and multiscale algorithms, validation/verification/uncertainty analysis, computing facilities/data/networking, data analysis and visualization, software tools and software engineering*)
- 12:30p.m. **Lunch**
- 1:30p.m. Breakouts in OASCR mode (*continued, as above*)
- 3:30p.m. **Break**
- 4:00p.m. Plenary session with breakout reports (*6 @ 20 minutes*)
- 6:00p.m. **Dinner**

**August 17, 2006, Start TBD concluding at 2:00pm**

Breakout group leaders write first draft of the report