

**Sandia National Laboratories**  
**Frontiers of Interfacial Water Research Workshop**

La Posada de Santa Fe  
Santa Fe, New Mexico, U.S.A.

**Sunday April 24, 2005**

6:00 PM to 9:00 PM Welcoming reception  
Salon

**Monday April 25, 2005**

8:00 AM Continental breakfast  
Montaña Ballroom A

9:00 AM Welcome and introductions  
Montaña Ballroom A

9:10 AM Water Nanoscience at Sandia: The Bigger Picture  
Neal Shinn, Sandia National Laboratories

9:30 AM Interfacial Water—Puzzles and Opportunities  
Steve Granick, University of Illinois at Urbana-Champaign

10:15 AM Break  
Montaña Ballroom Lobby

10:30 AM Experimental and Computational Study of Aqueous Interfaces: Current Research  
and Future Outlook  
James Kirkpatrick, University of Illinois at Urbana-Champaign

11:15 AM Multiscale Analysis of Water and Ion Transport in Nanochannels  
Narayan Aluru, University of Illinois at Urbana-Champaign

12:00 PM Introduction to breakout sessions

12:05 PM Buffet lunch  
Fuego Viga

1:30 PM Breakout sessions  
Chemistry: Montaña Ballroom A  
Transport: Montaña Ballroom B  
Structure: Canyon Meeting Room

- 4:00 PM Break  
Montaña Ballroom Lobby
- 4:15 PM Structures of Mineral-Water Interfaces as Revealed by Synchrotron Radiation  
Neil Sturchio, University of Illinois at Chicago  
Montaña Ballroom A
- 6:30 PM Banquet  
Santacafé  
231 Washington Avenue (two blocks north of Plaza)

**Tuesday April 26, 2005**

- 7:30 AM Continental breakfast  
Montaña Ballroom A
- 8:30 AM Ion Removal Using Zeolite Membranes  
Michael Tsapatsis, University of Minnesota  
Montaña Ballroom A
- 9:15 AM Unresolved Problems at Aqueous-Crystal Interfaces  
Tony Haymet, CSIRO Marine Research
- 10:00 AM Break  
Montaña Ballroom Lobby
- 10:15 AM Breakout sessions  
Chemistry: Montaña Ballroom A  
Transport: Montaña Ballroom B  
Structure: Canyon Meeting Room
- 12:15 PM Buffet lunch  
Fuego Viga
- 1:30 PM Summary reports from breakout sessions  
Montaña Ballroom A
- 2:15 PM General discussion
- 3:15 PM Adjournment