

Water Festival IV



Organizers: Giacinto Scoles (Princeton) and Krzysztof Szalewicz (Delaware)
Place: Delaware Biotechnology Institute, 15 Innovation Way, Newark, DE 19711
Date: Tuesday, November 22, 2005
Support: Department of Physics and Astronomy, University of Delaware
Registration: email szalewic@udel.edu by 11/17/05

PROGRAM:

- 09:30-10:05 Robert Bukowski, U. Delaware
"Recent progress in ab initio description of water"
- 10:05-10:40 Je-Luen Li, Princeton
"Interactions between small hydrophobic solutes and water"
- 10:40-10:50 Coffee
- 10:50-11:25 Omololu Akin-Ojo, U. Delaware
"Effects of various force fields in simulations of the hydrophobic interaction between methane solutes in water"
- 11:25-12:00 Doug Doren, U. Delaware
"Ion solvation in supercritical water"
- 12:00-13:00 Lunch
- 13:00-13:35 Milton Cole, PSU
"Water wetting transitions on flat surfaces and within nanotubes"
- 13:35-14:10 Hai-Lung Dai, U. Pennsylvania
"The nucleation and wetting-dewetting of water monolayers on metal surface and the glass transition of supercooled water"
- 14:10-14:45 Theodore Madey, Rutgers
"Interaction of water vapor with clean and contaminated ruthenium surfaces"
- 14:45-15:00 Coffee
- 15:00-15:35 Ulrike Diebold, Tulane
"Adsorption of Water on Oxide Surfaces"
- 15:35-16:10 Jorge Sofo, PSU
"Mapping Water Reactivity at Oxide Surfaces"
- 16:10-16:45 Luis Rosa, Princeton
"Water interactions with a ferroelectric polymer"
- 16:45-17:20 Jan Andzelm, ARL, Aberdeen
"Water in permeable membranes for protective clothing"