

- 8:30 - 8:40 Matthew Tirrell (University of Chicago/Argonne National Laboratory)
Introductory Remarks
- 8:40 – 9:10 Nicholas Abbott (University of Wisconsin)
Modulation of the Strength of Hydrophobic Interactions by Proximally Immobilized Ions
- 9:10 - 9:40 Igor Aronson (Argonne National Laboratory)
Living Liquid Crystals
- 9:40 – 10:10 Kenneth R. Shull (Northwestern University)
Structure Development in Ion-containing Block Copolymer Membranes for Water Purification
- 10:10 – 10:30 Break
- 10:30 – 11:00 Michael Bedzyk (Northwestern University)
Electrolyte-mediated Assembly of Charged Nanoparticles
- 11:00 – 11:30 Ahmet Uysal (Argonne National Laboratory)
Room-temperature Ionic Liquid Structure and Dynamics at Charged Graphene Interface
- 11:30 – 12:00 Jeremy E. Come (Oak Ridge National Laboratory)
Elucidating the Interfacial Structure at the Ionic Liquid-Solid Interface Using Atomic Force Microscopy and Molecular Dynamics
- 12:00 – 1:30 Lunch
- 1:30 – 2:00 Shriram Ramanathan (Purdue University)
Complex Oxides and Brain Science Explorations
- 2:00 – 2:30 Sarah Perry (University of Massachusetts-Amherst)
Molecular Engineering Polyelectrolyte Complex Materials
- 2:30 – 3:00 Jian Qin (Stanford University)
A Simple Model of Polyelectrolyte Complex
- 3:00 – 3:20 Break
- 3:20 – 3:50 Jodie Lutkenhaus (Texas A&M University)
Water's Importance in Polyelectrolyte Multilayers and Complexes
- 3:50 – 4:20 Daniel Hallinan (Florida State University)
Oxidative Stability of Solid Polymer Electrolytes for Lithium Batteries

4:20 – 4:50

Wenjie Wang (Ames Laboratory)

Ion-induced 2D Self-assembly of Gold Nanoparticles at Vapor/Liquid Interfaces

4:50- 5:00

Closing Remarks

5:00

Adjourn