

# 63rd New England Workshop on Complex Fluids

**Friday, June 5, 2015**

Lederle Graduate Research Tower, 1630  
University of Massachusetts Amherst  
9:45 a.m.–5:00 p.m.

## Invited Speakers:

- Peko Hosoi, Massachusetts Institute of Technology
- Francis Starr, Wesleyan University
- Moumita Das, Rochester Institute of Technology
- Mark Schlossman, University of Illinois at Chicago

## Schedule:

9:45–10:15 a.m.     **Registration, Lederle Graduate Research Tower (LGRT), room 1630 lounge**

### Morning Presentations, LGRT room 1630

10:15–10:45 a.m.     **Peko Hosoi**, Massachusetts Institute of Technology, Dept. of Mech. Eng.  
*"Arboreal solutions: diodes, pumps and diggers inspired by trees"*

10:45–11:15 a.m.     **Mark Schlossman**, University of Illinois at Chicago, Dept. of Physics  
*"Interfacial ion condensation and voltage-tunable nanoparticle arrays"*

11:15–11:45 a.m.     **Coffee I**, LGRT, 1630 lounge

11:45–12:45 p.m.     **Sound Bites Session I**

12:45–1:45 p.m.     **Lunch**, LGRT, 1630 lounge

### Afternoon Presentations, LGRT, room 1630

1:45–2:15 p.m.     **Moumita Das**, Rochester Institute of Technology, School of Physics & Astronomy  
*"Mechanical structure-function relationships in cellular & extracellular materials"*

2:15–2:45 p.m.     **Francis Starr**, Wesleyan University, Dept. of Physics  
*"Cooperative motion as a unifying principle to understand confinement effects on glass formation"*

2:45–3:15 p.m.     **Coffee and Cookies**

3:15–4:30 p.m.     **Sound Bites Session II**