

12TH TIGER-HEN-HAWK RHEOLOGY SYMPOSIUM

Lehigh University - Saturday, May 9th, 2009 - Rauch Business Center

SCHEDULE OF EVENTS

All talks held in Rauch Business Center, Room 091 (Lower Level)

- 8:30 – 9:30 **Breakfast (Rauch Galleria, 1st floor)*
- 9:30 – 9:45 Anthony McHugh, James Gilchrist, *Welcoming Remarks*
- 9:45 – 10:05 (UD) Congqi Yan (Schneider/Pochan) *Studies on Shear-Thinning and Recovery Properties of Beta-hairpin Peptide Hydrogel*
- 10:05 – 10:25 (UD) Kelly M. Schultz (Furst) *Material Assembly and Gelation Kinetics of PEG-Heparin Hydrogels*
- 10:25 – 10:45 (UD) Radhika P. Nagarkar (Pochan/Schneider) *Structure-Property Relationships in Strand Swapping Peptide Hydrogels*
- 10:45 -11:15 **Coffee Break & Poster Session (Rauch Galleria, 1st Floor)*
- 11:15 – 12:15 Plenary Lecture by Jeff Morris, Levich Institute, Department of Chemical Engineering, City College of New York
Fluid Mechanics of Suspensions: A Consideration of Pressure and Inertia
- 12:15 – 1:30 **Luncheon (Rauch, Room 283)*
- 1:30 – 1:50 (UD) Donald Kessler III (Wagner) *Dynamic Properties of Shear Thickening Fluids and their Applications*
- 1:50 – 2:10 (PR) Brian D. Figura (Prud'homme) *Set-On-Demand Cements, a Novel Approach to Cement Rheology*
- 2:10 – 2:30 (UD) Jonathan E. Seppala (MacKay) *Rheology of Polymer Nanocomposites*
- 2:30 – 2:50 (LU) Pisist (Pao) Kumnorkaew (Gilchrist) *Direct Visualization of Rapid Convective Deposition of Microsphere Monolayers*
- 2:50 – 3:20 **Coffee Break & Poster Session (Rauch Galleria, 1st Floor)*
- 3:20 – 3:40 (LU) Suresh Manohar (Jagota/Vezenov) *Peeling Single-Stranded DNA from Graphite*
- 3:40 – 4:00 (UD) Naa Larteokor McFarlane (Wagner) *Phase Separation Mechanism for Uncharged Polymer-Charged Particle Suspensions*
- 4:00 – 4:20 (UD) Michael Cromer (Cook) *Filament Stretching of Wormlike Micellar Solutions*
- 4:20 – 4:40 *Closing Remarks, Poster Competition Winners Announced*

Tours of Chemical Engineering facilities as desired

*The 12th Tiger-Hen-Hawk Symposium gratefully acknowledges support from the following sponsors:

