

# 12<sup>TH</sup> TIGER-HEN-HAWK RHEOLOGY SYMPOSIUM

## POSTER TITLES

Saturday, May 9, 2009

All poster presentations held in the Rauch Business Center Galleria (1st Floor)

| TITLE  | AUTHOR (S)   | AFFILIATION |
|--|--|-------------|
| "The Role of Rheology in Monitoring Gel Formation in Oil Additive Mixing"  | D. Altman, R. McErlan, A. McHugh   | LU          |
| "Investigation of Plastic Zone Size in Rubber Toughened Epoxy Nanocomposites"  | L. Bacigalupo, R. Pearson  | LU          |
| "Rheology and Neutron Scattering Analysis of the Dynamics and Structure of Semiflexible, Self-Assembled Peptide Chain Networks"  | M. Branco, D. Pochan, J. Schneider, N. Wagner  | UD          |
| "Effect of Nanosilica Particle Size on the Toughening Mechanisms in Epoxy Resin"   | P. Dittanet, R. Pearson  | LU          |
| "Structure and properties of nanoparticle & colloidal gels and glasses"  | A. Eberle  | UD          |
| "Controlling the Degradation of B-hairpin Self Assembled Hydrogels by Proteolysis with Trypsin"                                  | M. Giano, D. Salick, J. Schneider  | UD          |
| "Shear banding and non-equilibrium phase transitions in wormlike micellar solutions"   | M. Helgeson  | UD          |
| "Microstructure Measurements of Shear Thickening, Concentrated, Near Hard Sphere, Colloidal Dispersions via 1-2 Plane Flow-SANS" | D. Kalman  | UD          |
| "Study of phase behavior of JR400 - SDS system"  | M. Kelkar  | UD          |
| "Vertical phase segregation of PCBM in organic solar cells"  | J. Kiel, B. Kirby, M. Mackay   | UD          |
| "Stability of Nanoparticles"   | V. Kumar, L. Wang, H. Tung, R. Prud'homme  | PR          |
| "Direct Visualization of Rapid Convective Deposition of Microsphere Monolayers"  | P. Kumnorkaew, J. Gilchrist  | LU          |
| "Determination of the Elastic Moduli of Sol-Gel Films Using the Method of Buckling Instability"                                  | J. Longley, M. Chaudhury   | LU          |
| "Microvascular Fabrication via Dielectrophoretic Assembly"   | C. Luthringer, R. Slopek, K. McKeown, T. Ta, J. Gilchrist                                | LU          |
| "Vesicles from double-tail symmetric surfactants - preparation, stability and phase behavior"                                    | B. Madivala  | UD          |
| "Peeling Single-Stranded DNA from Graphite"  | S. Manohar, A. Mantz, K. Bancroft, C. Hui, A. Jagota, D. Vezenov                         | LU          |
| "Modular Resilin-like Polypeptides as Scaffold for Mechanically Active Tissues"  | C. McGann, L. Li, M. Charati, K. Kiick   | UD          |
| "Electric Field-Directed Convective Assembly of Ellipsoidal Titanium Dioxide Particles"  | M. Mittal, E. Furst  | UD          |
| "Binary fluids with attractions near a hard wall"  | V. Padmanabhan, A. Frischknecht, M. Mackay   | UD          |
| "Synthesis and Arrangement of Anisotropic particles in AC Electric Fields"   | M. Panczyk, P. Lele, J. Singh, E. Furst, N. Wagner                                       | UD          |
| "Two-dimensional self-assembled colloidal crystals by fluid interface templating"  | B. Park, E. Furst  | UD          |
| "Two Probe Measurements in the Direct Limit"   | I. Sriram, E. Furst  | UD          |
| "Twinkling Fractal Theory of the Glass Transition with Rheology Applications"  | J. Stanzione III, K. Strawhecker, R. Wool  | UD          |
| "Rheo-SALS study of aqueous solutions of cationic surfactant and salt"   | P. Thareja   | UD          |
| "Robust Three Dimensional Liquid Films through Nanoparticle Assembly"  | T. Tseng, E. McGarrity, P. Duxbury, A. Frischknecht, M. Mackay                           | UD          |
| "Microrheology of Living Cells by Oscillatory Optical Tweezers"  | M. Tzowei, A. Zaorski, H. Yalcin, J. Wang, M. Hallow, S. Ghadiali, A. Chioli, H. Ou-Yang | LU          |
| "Adhesion Study of a Film-Terminated Fibrillar Interface"  | S. Vajpayee, C. Hui, A. Jagota   | LU          |
| "Structural Transitions of Magnetorheological Fluids in Microgravity"  | P. Vasquez, J. Agui, P. Whitson, E. Furst  | UD          |
| "Non-Einstein behavior in polymer solutions"   | J. Wie, J. Seppala, M. Mackay, N. Wagner   | UD          |