

Symposium 11

Title: **Preparation and Application of Soft Colloids**

Chair/Co-Chair: Rong Guo/Weili Yu

Chair Assistant: Hayati Celik

Location: 175 CAMP

Monday June 13, 2005

Presiding:

Paper	Time	Title and Authors
11-01	11:00 - 11:20 AM	Ionic Liquid Emulsions Stabilised Solely by Nanoparticles B.P. BINKS, A.K.F. Dyab, P.D.I. Fletcher
11-02	11:20 - 11:40 AM	Molecularly-Engineered Nanoparticles and Assemblies for Analytical/Bioanalytical Applications C.J. ZHONG, J. Luo, M. Maye, S. I-Im Lim, L. Wang, N. Kariuki, P. Njoki, M. Schadt, D. Mott, E. Crew, Y. Lin,
11-03	11:40 - 12:00 AM	Some Phase Diagrams of Fruit Acids and the Consequences in their Application for Skin Lotions A. AL-BAWAB
11-04	12:00 - 12:20 PM	A Novel Method for the Computer Simulation of Surfactant Self-Assembly H. SHINTO, S. Morisada, K. Higashitani
11-05	1:30 - 2:10 PM	Transformation of Organized Assemblies in Surfactant Solutions J.B. HUANG
11-06	2:10 - 2:30 PM	Thermodynamics and Dynamics of Diblock Copolymers at Polymer/Polymer Interfaces B.J. Reynolds, M.L. Ruegg, N.P. Balsara, C.J. RADKE
11-07	2:30 - 2:50 PM	The Linker Effect in Microemulsion Systems E. J. ACOSTA, D. A. Sabatini, J. H. Harwell
11-08	3:20 - 3:40 PM	Experimental Observations of Dynamic Surface Tension at Highly Curved Microfluidic Interfaces H. C. MAYER, S. L. Anna

11-09	3:40 - 4:00 PM	Processing of Phospholipid Vesicles Using Supercritical and Compressed Fluids G.D. Bothun, B. KNUTSON
11-10	4:00 - 4:20 PM	Synergistic Interactions Between Linear Polyethylene Oxide Surfactants and the Effect on Surface Tension, Phase Behavior, and Wetting M. M. PAYNE, A. Couzis, C. Maldarelli
11-11	4:20 - 4:40 PM	On the Self Assembly of Asphaltenes to Form Nanoscale Aggregates K. L. GAWRYS, V. Verruto, P. KILPATRICK
11-12	4:40 - 5:00 PM	Interfacial Alignment of Micelles in Surfactant-Silica Aggregates as a General Approach to Materials with Oriented Mesopores B. Tan, S.E. RANKIN
11-13	5:00 - 5:20 PM	

Tuesday June 14, 2005

Presiding:

11-14	10:30 - 10:50 AM	The Application of Surfactant Phase Behavior in Developing Oilfield Product J. YANG, V. Jovancicevic
11-15	10:50 - 11:30 AM	Origin of the Sphere-to-rod Transition in Micellar Solutions: Specific Ion Hydration Matters Y. Geng, L. ROMSTED
11-16	11:30 - 11:50 AM	DNA-copolymer Vesicles for Gene Delivery A.V. Korobko, C. Backendorf, J.R.C. van der MAAREL
11-17	11:50 - 12:10 AM	Controlled Synthesis and Hierarchical Assembly of One-Dimensional Inorganic Nanostructures in Micellar Systems L. QI, H. Shi, Y. Ma, J. Ma

11-18	1:30 - 1:50 PM	Droplet Breakup in Shear and Elongation Dominated Flows in Microfluidic Devices A.J. Greiner, J.A. Taylor, G.F. Christopher, S.L. ANNA
11-19	1:50 - 2:10 PM	Sulfolane Microemulsions as Possible Inert Reaction Media T. WIELP_TZ, T. Sottman, R. Strey
11-20	2:10 - 2:30 PM	Stabilization of Water-in-Oil Emulsions by Silica Nanoparticles and Surfactant B.P. BINKS, J. Philip
11-21	2:30 - 2:50 PM	Photo-Surfactants J. EASTOEL, M. S. Dominguezl, A. Beeby, R.K. Heenan
11-22	3:20 - 3:40 PM	Controlled Polymerization of Acrylates by Macromolecular Design via Interchange of Xanthates in Microemulsions J. O'DONNELL, E. W. Kaler
11-23	3:40 - 4:00 PM	Ultrasound for Characterizing Soft Colloids A. DUKHIN, P. Goetz
11-24	4:00 - 4:20 PM	Flow-induced Phenomena in Solutions of Wormlike Micelles M. Libertore, F. Nettekheim, E. Kaler, N. WAGNER
11-25	4:20 - 4:40 PM	Effect of Oil on Emulsion Characteristics: Manipulating the Interfacial Domain H. EGGER, E.-H. Liu, K.M. McGrath
11-26	4:40 - 5:20 PM	Old and New in Emulsion Science S. E. FRIBERG

Wednesday June 15, 2005

Presiding:

11-27	10:00 - 10:20 AM	Liquid Crystalline Silicate/Surfactant Mesophase in Nanoscale Confinement D. WANG, R. Kou, Y. Lu
11-28	10:20 - 10:40 AM	Microstructure of Bicontinuous Nanoporous Materials Prepared from Methyl Methacrylate/Hydroxyethyl

		Methacrylate Microemulsions Formulated with Biocompatible Surfactant F. Ye, R.T. Vickerman, S. Lopina, H.M.CHEUNG, E. Von Meerwall
11-29	10:40 - 11:00 AM	Transition from Unilamellar Vesicles Upon the Addition of an Associating Biopolymer J.H. Lee, G. F. Payne, V. Agarwal, A. Bose, S. RAGHAVAN
11-30	11:00 - 11:20 AM	Soothe Eye Drops: A Novel Approach to Eye Care C. BRANEWICZ
11-31	11:20 - 11:40 AM	Synthesis and Chiral Discrimination of Chiral Sensor with Self-Assembles Monolayers of Functionalized β -Cyclodextrins S.C. Ng, W.G. ZHANG, T. Sun, C.G. Xu, H.S.O. Chan