## **Complex Fluids Design Consortium Annual Meeting**

## Monday, February 3, 2014

Materials Research Laboratory, Room 2053 University of California, Santa Barbara

9:00-9:30 am	CFDC: Welcome and Update Prof. Glenn Fredrickson, Director CFDC, Chemical Engineering and Materials, UCSB
9:30-9:45 am	CFDC Simulation Code Update Dr. Kris Delaney, MRL, UCSB
9:45-10:15 am	Cyclic Solvent Annealing: A Case Study in Computational Process Design Sean Paradiso, MRL and Chemical Engineering, UCSB
10:15-10:45 am	Coffee Break
10:45-11:15 am	Computational Study of Solvated Block-Copolymer Microphases Dr. Wei Li, MRL, UCSB
11:15-11:45 am	Cylinder-Forming Block Copolymers Under Confinement: Placement and Rectification Aspects Dr. Nabil Laachi, MRL, UCSB
11:45- 12:00 pm	Self-Consistent Field Theory of Directed Self-Assembly on Chemically-Prepatterned Surfaces Dr. Ken-ichi Izumi, JSR and MRL, UCSB
12:00-1:00 pm	Lunch on MRL 3 <sup>rd</sup> Floor Patio
1:00-1:30 pm	Progress in Complex Langevin Simulations of Fluctuation Effects in Multispecies Block Copolymer Blends and Composites Dr. Kris Delaney, MRL, UCSB
1:30-2:00 pm	Computational Study of Shape Rectification in Directed Self- Assembly Tatsuhiro Iwama, Asahi Kasei and MRL, UCSB

2:00-2:30 pm	Pressure-Driven Channel and Pipe Flow of Semi-Dilute Polymer Solutions
	Yassine Dhane, Chemical Engineering, UCSB
2:30-3:00 pm	The Disorder-to-Order Transition of the Landau-Brazovskii Model: Defects and Kinetic Effects Michael Carilli, MRL and Physics, UCSB
3:00-3:30 pm	Coffee Break
3:30-4:00 pm	Correlating Polymer Properties to Ionic-Conductivity in Poly(glycidyl ether)-Based Electrolytes
	Kate Barteau, MRL and Chemical Engineering, UCSB
4:00-4:30 pm	Defectivity of Cylindrical Directed Self-Assembly of Diblock Copolymers in Laterally Confined Thin Channel Dr. Bongkeun Kim, MRL, UCSB
4:30-5:00 pm	Improving Relay Dyes for Dye Sensitized Solar Cells with Increased Foerster Self-Transfer Nancy Eisenmenger, MRL and Materials, UCSB
5:00-5:15 pm	Genetic Algorithms for Identifying Globally Stable Phases in Block Copolymers Carol Tsai, MRL & Chemistry, UCSB
5:15-5:30 pm	The Coherent States Formulation of an AB Diblock Copolymer Andrew Hamilton, MRL & Materials, UCSB
5:30 pm	Adjourn CFDC meeting
5:30-6:00 pm	CFDC Steering Committee Meeting Steering Committee Members Only, MRL 3117D

CFDC Dinner – 6:30 pm, Flavor of India