

**TENTATIVE
Agenda**
Canandaigua Inn on the Lake
May 13 - 15, 2009

Wednesday, May 13, 2009

- 12:00 noon - 2:00 PM Check in & enjoy the grounds
- 2:00 PM – 2:05 PM S.Babu – Opening Remarks**
- 2:05 PM – 2:30 PM Microsystems-based Painless Diagnostics
-- Jose Mir, SensiVida, Medical Technologies
- 2:30 PM - 2:55 PM MEMS - Pressure Sensor Arrays, Materials and Applications
-- Kelly Lee & RJ Greco, Infotonics
- 2:55 PM – 3:05 PM Electrochemically Deposited Thin Film Coatings for Advanced Materials and Biomaterials -- Ian Suni, Clarkson University
- 3:05 PM – 3:30 PM Research Updates at the Small Scale Systems Integration and Packaging Center at Binghamton University -- Bahgat Sammakia, Binghamton University
- 3:30 PM – 3:45 PM Break
- 3:45 PM – 4:00 PM Carbon Dioxide Sequestration using Industrial Wastes
-- Sulapha Peethamparan, Clarkson University
- 4:00 PM – 4:15 PM Carbon Capture Using Room Temperature Ionic Liquids
-- Ruth Baltus, Clarkson University
- 4:15 PM - 4:30 PM Economical Nanoporous Silica Colloids for Solving Environmental Challenges: Water Cleaning and CO₂ Sequestration -- Igor Sokolov, Clarkson University
- 4:30 PM - 4:55 PM Toner Adhesion and the Electric Field Detachment of Toner from Surfaces in Xerographic Printers-- Chris DiRubio, Xerox
- 4:55 PM - 5:20 PM Adhesion of Silica-Coated Toner Particles to Bisphenol-A Polycarbonate Films
-- Don Rimai, Kodak
- 5:30 PM - 6:30 PM Reception – Steam Boat Landing, 205 Lakeshore Drive, Canandaigua**
- 6:30 PM - 8:15 PM Dinner – Steam Boat Landing**
- 8:00 PM Introduction, President Tony Collins, Clarkson University
- 8:05 PM - 8:15 PM NYSTAR speaker
- 8:15 PM Keynote address: “Innovation and Process: Critical Yin and Yang”
-- Paul Tolley, President & CEO, Infotonics

Thursday, May 14, 2009

- 7:00 AM - 8:00 AM Breakfast – Dining Room
- 8:00 AM - 8:05 AM Introduction – S.V. Babu
- Technical Session: Processing**
- 8:05 AM - 8:20 AM Energy Efficient Processing Using Intensified Process Systems
-- Roshan Jachuck, Clarkson University
- 8:20 AM - 8:45 AM Corning Advanced-Flow™ Reactors: Efficient Industrial Scale Continuous Chemical Processing -- Jay Sutherland, Corning
- 8:45 AM - 9:00 AM Shape Selection in Solution Synthesis of Colloids and Nanoparticles
-- Vladimir Privman, Clarkson University
- 9:00 AM - 9:25 AM Fabrication & Characterization(High Temperature) of Nanostructured Ceramics
-- Vasantha R.W.Amarakoon & Michael Dunn, Alfred University
- 9:25 AM - 9:50 AM Nanotechnology and Water Purification
-- Alan Rae, NanoDynamics
- 9:50 AM - 10:15 AM Infrared Imaging and the Use of Exotic Materials
-- John Miller, FLIR
- 10:15 AM - 10:35 AM Break
- Session Chair:**
- 10:35 AM - 10:50 AM Nafion Molecules at Solid-Liquid Interface -- Sergiy Minko, Clarkson University
- 10:50 AM - 11:15 AM Chemical Characterization of Fuel Cell Catalyst Support Surfaces
-- Jeanette Owejan, GM
- 11:15 AM - 11:40 AM Advanced Electrical Energy Generation & Storage: Public-Private Partnerships for New York State Impact -- Paul Mutolo, Cornell
- 11:40 AM - 11:55 AM Characterization of Novel Materials for Lithium Ion Batteries
-- Dip Roy, Clarkson University
- 11:55 AM – 12:20 PM Monodisperse Polymer Particles Characterization and Application
-- Keith Redford, Conpart
- 12:20 PM – 12:35 PM Probabilistic Multiscale Fatigue Damage Modeling of Metallic Materials
-- Yongming Liu, Clarkson University
- 12:35 PM – 12:50 PM Anti-Biofouling Polymer Coatings -- Sitaraman Krishnan, Clarkson University

Thursday afternoon:

12:50 PM - 2:00 PM	Lunch
2:00 PM - 3:00 PM	CAMP Board Meeting (Susan B. Anthony Room)
3:00 PM - 5:00 PM	Poster Session
5:30 PM - 6:30 PM	Reception
6:30 PM - 8:00 PM	Dinner
8:00 PM	Introduction, Provost Tom Young, Clarkson University
8:10 PM	Keynote address: Development Challenges for Future Generation Sensor Systems -- Bob Taylor, Director of Strategic Research & Technology Development, Lockheed Martin MS2

Friday, May 15, 2009

7:00 AM - 8:00 AM	Breakfast – Dining Room
	Technical Session:
8:00 AM - 8:25 AM	The Future of Photovoltaic Manufacturing-- Frank Falatyn, TSEC
8:25 AM - 8:40 AM	Block Copolymer Films: Templated Nanostructures for Photovoltaic Devices -- Devon Shipp, Clarkson University
8:40 AM – 8:55 AM	Development of Silver Particles for Solar Cells Metallization -- Dan Goia, Clarkson University
8:55 AM – 9:20 AM	Production of Silver Materials for Solar Cell Metallizations -- Mike Herman, Ames Goldsmith
9:20 AM - 9:45 AM	Alternative Metalization Techniques for Crystalline Silicon Solar Cells -- Tom Sutter, The Dow Chemical Company
9:45 AM – 10:10 AM	Adhesion of Silicone-Coated Toner Particles to Bisphenol-A Polycarbonate Films: Effect of Toner Charge -- Eric Stelter, Kodak
10:10 AM – 10:35 AM	XPSE – Xerox Particle Simulation Environment -- John Shaw, Xerox
10:35AM – 10:55 AM	Break
10:55 AM - 11:20 AM	Leveraging Kodak’s Flexible Media Handling Expertise for Thin Films and Composites -- Michael Triassi and Peter Sherer, Optimization, Inc
11:20 AM – 11:45 AM	Wind Turbine Manufacturing – Ed Marin, Composite Systems
11:45 AM – 12:00 Noon	Lamb Wave Based Diagnostics of Composite Plates Using a Modified Time Reversal Method -- Ratneshwar Jha and Ryan Watkins, Clarkson
12:00 PM – 12:10 PM	Concluding Remarks -- S.V. Babu, CAMP
12:10 PM	Buffet Lunch