

Sunday, March 10, 2013 – Alfred & Clarkson University Group Check in

Annual Spring Symposium Agenda

DoubleTree by Hilton Rochester, 1111 Jefferson Road, Rochester, NY 14623

Monday, March 11, 2013

- 7:30 - 8:25 AM Continental Breakfast – CC West Wide Room
- 8:25 - 8:40 AM Opening Remarks, S. V. Babu/Matt Hall
- 8:40 - 9:05 AM Delamination in Pharmaceutical Glass Vials
-- Matt Hall, Alfred University
- 9:05 - 9:35 AM A New Mass Spectrometry Capability for Silicone Polymer Characterization with Examples of Application to Materials Understanding
-- Andrew Hoteling, Bausch & Lomb
- 9:35 - 10:00 AM Polymers for Soft Materials Applications
-- Devon Shipp, Clarkson University
- 10:00 - 10:25 AM Functional Materials via Colloid and Polymer Assembly
-- Sergiy Minko, Clarkson University
- 10:25 - 10:55 AM Morning Break
- 10:55 - 11:20 AM Functional Biomaterials for Therapeutics Delivery
-- He Dong, Clarkson University
- 11:20 - 11:50 AM Freeform Optical Component Manufacturing
-- Jessica Nelson, Optimax
- 11:50 - 12:20 PM Thermoelectric Research Strategies
-- George Bilkey, TAM Ceramics
- 12:20 - 1:45 PM Lunch
- 1:45 - 2:10 PM Fast Sintering Processing of Transparent Ceramics
-- Yiquan Wu, Alfred University
- 2:10 - 2:40 PM Wide Ranging R&D Interests at Praxair, With a Look at Ceramic Oxygen Transport Membranes -- Jeff Kingsley Praxair Inc.
- 2:40 - 3:10 PM NY-BEST Strategies to Accelerate Technologies to Products
-- Bill Acker, NY-Best
- 3:10 - 3:45 PM Afternoon Break
- 3:45 - 4:15 PM Do we need a New York State and a National Photonics Initiative?
-- Tom Battley, New York State Photonics

- 4:15 - 4:40 PM Electrochemical Energy Storage at Elevated Temperatures
-- Dawei Liu, Alfred University
- 4:40 - 5:10 PM Enabling Technologies for Next Generation Sodium Metal Halide Batteries
-- Job Rijssenbeek, GE Global Research
- 5:30 - 6:30 PM Reception**
- 6:30 - 9:00 PM Dinner**
- 8:00 PM Introduction
- 8:10 PM Keynote: Dinner Speaker
Title: Landscape of Bio-based and Sustainable Materials
-- Richard Schmachtenberg, SVP, Consumables Development & Manufacturing Group.

Tuesday, March 12, 2013

- 7:30 - 8:25 AM Continental Breakfast – CC West Wide Room
- 8:25 - 8:40 AM Babu/Edwards - Opening Remarks
- 8:40 - 9:10 AM Improved PEMFC Cathode Design using AFM
-- Roland Koestner, GM Fuel Cells
- 9:10 - 9:35 AM Atomistic Computer Simulations of Functional Materials
-- Alastair Cormack, Alfred University
- 9:35 - 10:00 AM Using Materials Studio to Model co-Polymers
-- John McLaughlin, Clarkson University
- 10:00 - 10:25 AM Materials Research at Alfred University
-- Doreen Edwards, Alfred University
- 10:25 - 10:50 AM Morning Break
- 10:50 - 11:20 AM Novel elastomeric composites for surface design
-- Mandakini Kanungo and Dave Gervasi, Xerox
- 11:20 - 11:50 AM Applying Green Engineering & Technologies in NYS
-- Anahita Williamson & Eugene Park, RIT/P21
- 11:50- 12:20 AM MEMS for a Smarter Economy
-- Tiffany Hoover, STC
- 12:20 - 1:45 PM Lunch
- 1:45 – 2:10 PM Computational modeling of particle transport, deposition and removal
-- Goodarz Ahmadi, Clarkson University

- 2:10 - 2:40 PM New programs for rapid startup formation and Growth
-- James Senall, High tech Rochester, Inc.
- 2:40 - 3:05 PM Chemical Mechanical Planarization of Novel Materials
S.V. Babu, Clarkson University
- 3:05 - 3:30 PM Next Generation Slurries for Polishing Applications
-- Brian Santora, Ferro Inc.
- 3:30 - 3:50 PM Liquid-Filler Microcapsules for Thermal Printing Applications
L. Chen and R. Partch, Clarkson University/G. Gilmartin and D. Harrison, IIMAC
- 3:50 – 4:00 PM Concluding Remarks – S.V. Babu/Doreen Edwards