



CENTER FOR ADVANCED MATERIALS PROCESSING

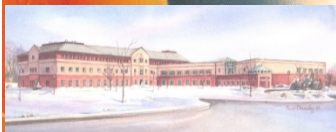
**NYSTAR** -designated Center for Advanced Technology



**Agenda - CAMP Annual Technical Meeting**  
**The Gideon Putnam, 24 Gideon Putnam Rd, Saratoga Springs, NY**  
**May 15 - 17, 2013**

**Wednesday, May 15, 2013**

- 11:30 - 12:50 PM Check in & enjoy the grounds
- 12:55 - 1:00 PM S.V. Babu -- Opening Remarks
- 1:00 - 1:25 PM Enabling Technologies for Next Generation Sodium Metal Halide Batteries -- Brandon Bartling, GE
- 1:25 - 1:50 PM Electrochemical Examination of New Battery Materials -- Dip Roy, Clarkson University
- 1:50 - 2:15 PM Commercialization of Graphene and Other 2D Structures at NMIC -- Alan Rae, NMIC
- 2:15 - 2:40 PM NY-BEST and the Commercialization of Energy Storage Technologies -- William Acker, NY BEST
- 2:40 - 3:05 PM Bipolar Diffusional Charging of Nanoparticles -- Suresh Dhaniyala, Clarkson University
- 3:05 - 3:25 PM Break
- 3:25 - 3:50 PM Overcoming Molecular and Particulate Contamination Issues in Atomic Layer Deposition and Metal Organic Chemical Vapor Deposition Processes --Robert Nine, Pall Co.
- 3:50 - 4:15 PM Progress in CZTS Thin Film Solar Cells -- Charles Westgate, Binghamton University
- 4:15 - 4:40 PM TBD -- TBD, IBM
- 4:40 - 5:05 PM Field-Directed Assembly of Functional Materials -- Sergiy Minko, Clarkson University
- 5:05 - 5:30 PM Connect and Develop: How We Do It --Yuri Roiter, The Procter & Gamble Company



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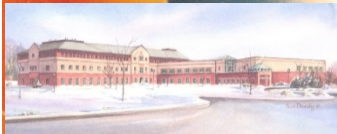
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**Wednesday, May 15, 2013 Continued**

- 5:45 - 6:30 PM Reception
- 6:30 - 8:15 PM Dinner
- 8:00 PM Introduction
- 8:10 PM Keynote address: Title TBD  
-- Vivek Singh, Intel Fellow, Technology & Manufacturing Group Director, Computational Lithography, Intel

**Thursday, May 16, 2013**

- 7:00 - 8:00 AM Breakfast -- Dining Room
- 8:00 - 8:05 AM Introduction -- S.V. Babu
- 8:05 - 8:30 AM SPHERICA™; A Novel Conductive Adhesive  
-- Tore Helland, Mosaic Solutions, a subsidiary of Conpart
- 8:30 - 8:55 AM Intelligent Lighting, The new Lighting Paradigm  
-- Steve Crimi, Consultant
- 8:55 - 9:20 AM Modeling Particle Aggregation in Large Reactors Using Fast Compartmental Monte Carlo Simulations  
-- Roberto Irizarry, DuPont Electronic Technologies
- 9:20 - 9:45 AM Technic Engineered Powders and Flakes: Contributions to Electronic Materials -- Ionel Halaciuga, Technic
- 9:45 - 10:10 AM Blade Test Facility at Clarkson University  
-- Kerop Janoyan, Clarkson University
- 10:10 - 10:35 AM Financing Technology Transfer from Lab to Market  
-- Rick Lewandowski, CECET/Intertek
- 10:35 - 10:55 AM Break
- 10:55 - 11:20 AM TBD  
-- TBD, NYSERDA



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**Thursday, May 16, 2013 Continued**

- 11:20 - 11:45 AM Renewable Energy from Waste: City of Ogdensburg Pilot -- John Pinkerton, Manager, City of Ogdensburg & Richard Partch, Clarkson University
- 11:45 - 12:10 PM Non-Metallic Corrosion Resistant Linings for Carbon Capture and FGD Applications -- Robert Aliasso, Jr. Stebbins Engineering
- 12:10 - 12:35 PM Geopolymer Concrete: The Role of Starting Material -- Sulapha Peethamparan, Clarkson University
- 1:00 - 2:00 PM Lunch
- 2:00 - 3:00 PM CAMP Board Meeting, Hudson Room
- 2:00 - 5:00 PM Poster Session
- 5:30 - 6:15 PM Reception
- 6:15 - 6:40 PM TBD -- Leecia Eve, Deputy Secretary for Economic Development
- 6:40 - 7:40 PM Dinner
- 7:40 - 7:55 PM Poster Award Winners
- 7:55 - 8:00 PM Introduction
- 8:00 PM Keynote address: TBD -- Gary Patton, IBM Vice President & IEEE Fellow, Semiconductor Research & Development Center, IBM Systems and Technology Group



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**Friday, May 17, 2013**

- 7:00 - 7:55 AM Breakfast -- Dining Room
- 7:55 - 8:00 AM Introduction -- S.V. Babu
- 8:00 - 8:25 AM Overview of Various Engineered Materials Efforts -- Joe Suriano, GE



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**Friday, May 17, 2013 Continued**

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|------------------|---|
| 8:25 - 8:50 AM   | Nonvolatile and Nonflammable PEGylated Ionic Liquid Electrolytes for Lithium Ion Batteries<br>-- Sitaraman Krishnan, Clarkson University          |
| 8:50 - 9:15 AM   | The Risk of Pattern Collapse for Structures in Future Logic Devices -- Brown Peethala, IBM  |
| 9:15 - 9:35 AM   | Properties of Mineral-Melt Interfaces at the Atomic Scale<br>-- Jim Rustad, Corning   |
| 9:35 - 10:00 AM  | Experimental and Computational Tools for the Microstructure-Based Design and Analysis of Turbine Components -- Ajit Achuthan, Clarkson University |
| 10:00 - 10:25 AM | Process Design for Waterless Inkjet<br>-- Paul McConville, Xerox  |
| 10:25 - 10:55 AM | Break   |
| 10:55 - 11:15 AM | Multifunctional Periodic Mechanical Metamaterials<br>-- Lifeng Wang, Clarkson University  |
| 11:15 - 11:40 AM | New Developments in Polymer Synthesis<br>-- Devon Shipp, Clarkson University  |
| 11:40 - 12:05 PM | Super-Repellent Polymer Nanocomposites<br>-- Alana Lyons, City University, NY   |
| 12:05 - 12:25 PM | Graphene Based Anodes for Li-ion Batteries<br>-- Nikhil Koratkar, RPI-Energy  |
| 12:25 - 12:50 PM | Diffusional Model of Growth of Well-Defined Nanoparticles -- Vladimir Privman, Clarkson University  |
| 12:50 - 12:55 PM | Concluding Remarks -- S.V. Babu, CAMP   |
| 1:00 PM          | Buffet Lunch  |

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