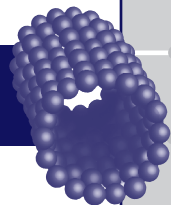


Program-at-a-Glance



Sunday, November 11, 2007

Registration Opens.....	Lobby	12:00 Noon
How to Successfully Capitalize on Your Innovations: An Intellectual Property Workshop	Ellwood I & II	4:00 PM
Welcome Reception.....	Fountainview	5:30-7:30 PM

Monday, November 12, 2007

Registration	Lobby	7:30 AM-5:00 PM
Continental Breakfast	Grand Station I & II.....	7:30 AM
Exhibit.....	Grand Station I & II.....	7:30 AM-6:00 PM
Welcome and Keynote Speaker	Grand Station I & II.....	8:00-9:00 AM
Break	Grand Station I & II.....	9:00-9:30 AM
Environmental Health and Safety Panel Discussion.....	Brighton I & II	9:30-11:35 AM
Nanomaterials Technologies: Coatings.....	Brighton III & IV	9:30-11:35 AM
Nanomaterials Technologies: Nanomaterials for Energy Applications	Ellwood I & II	9:30-11:35 AM
Keynote Luncheon.....	Reflections	11:40 AM-1:30 PM
International Forum	Grand Station I & II.....	1:30-3:35 PM
Break	Grand Station I & II.....	3:35-4:00 PM
Nanomaterials Technologies: Functional Materials I.....	Brighton I & II	4:00-5:40 PM
Nanomaterials Technologies: Structural Nanomaterials I	Ellwood I & II	4:00-5:40 PM
State and Local Development.....	Brighton III & IV	4:00-5:40 PM
Networking Reception	Grand Station I & II.....	5:45-7:00 PM
Student Poster Session	Grand Station I & II Lobby.....	5:45-7:00 PM

Tuesday, November 13, 2007

Registration	Lobby	7:30-11:00 AM
Continental Breakfast	Grand Station I & II.....	7:30 AM
Exhibit.....	Grand Station I & II.....	7:30 AM-12:00 Noon
Keynote Speaker	Grand Station I & II.....	8:00-8:45 AM
Nanomaterials Technologies: Functional Materials II.....	Grand Station V.....	8:45-10:25 AM
Nanomaterials Technologies: Structural Nanomaterials II	Grand Station IV.....	8:45-10:25 AM
Venture Capitalist and Investor Panel Discussion.....	Grand Station III	8:45-10:25 AM
Break	Grand Station I & II.....	10:25-10:45 AM
Nanomaterials Technologies: BioNano	Grand Station V.....	10:45 AM-12:00 Noon
Perspectives on Commercialization.....	Grand Station III	10:45 AM-12:00 Noon
Conference Wrap-up.....	Grand Station I & II.....	12:00 Noon



Technical Program

Keynote Speakers

Welcoming Comments: *Mike Doyle*¹; ¹United States Congressman (D-PA)

Printing NanoMaterials Will Revolutionize the Electronics Industry: Andy Hannah¹; ¹Plextronics, Inc

National Nanotechnology Initiative: E. Clayton Teague¹; ¹Federal National Nanotechnology Coordination Office

Investing for Commercialization: Wall Street, Venture Capital and Nanomaterials: *Scott Livingston*¹; ¹Axiom Capital Management

International Forum

Speakers:

Sang-Rock Han, Director General, Nano Korea - Nano Technology Research Association, South Korea

Peter Hauptmann, Director, Saarland Economic Promotion Corporation, Germany

Tatsuro Ichihara, Chief Executive Officer, ASTEM, Japan

Mehdi Moussavi, Chief of Department of Nanomaterials Technologies, France

Nils Peterson, Director General, National Institute for Nanotechnology, Canada

Venture Capitalist and Investor Panel Discussion

Review commercial needs from the perspectives of venture capitalists and investors

Panelists:

Vincent Caprio, NanoBusiness Alliance

Robin Mansukhani, Axiom Capital Management

Sean Murdock, NanoBusiness Alliance

Environmental, Health and Safety Panel Discussion

Engage in a critical discussion addressing progress in nano EH&S from large scale materials producers, government agencies and analytical laboratories.

Panelists:

Charles Geraci, NIOSH

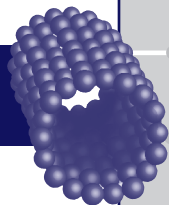
Kimberly McDonald, Bayer

Elizabeth McMeekin, PPG

Randy Ogle, Oak Ridge National Laboratory

Keith Rickebaugh, RJ LeeGroup, Inc.

Technical Program



How to Successfully Capitalize on Your Innovations: An Intellectual Property Workshop

Instructor: *Scott Cummings*, Buchanan Ingersoll & Rooney PC

Any successful innovator can tell you, with an ethereal smile, exactly when and where “the big idea” hit him or her. This expression will flash to a serious battle-worn stare as they explain all the work done to get the product launched. The focus of this workshop will be on the intellectual property and corporate aspects of a typical odyssey from idea to product release.

Nanomaterials Technologies: Coatings

Antimicrobial Materials for Coatings: Pyridinium Polymer/Silver Bromide Based Nanocomposites: Varun Sambhy¹; Blake Peterson¹; *Ayusman Sen*¹; ¹Pennsylvania State University

Challenges and Opportunities in Developing Nanomaterials for Health Maintenance: *Alan Rae*¹; ¹NanoDynamics Inc

Deposition of Superhydrophobic Coatings with Scanning Atmospheric rf Plasma: *Seong Kim*¹; ¹Pennsylvania State University

Non-Chrome Anticorrosion Technology Based on Nano-Sized Materials: *Noel Vanier*¹; Cheng-Hung Hung¹; John Schneider¹; David Walters¹; ¹PPG Industries Inc.

Plasma Synthesis of Nanopigments for Anticorrosive Coatings: *Peter Kong*¹; Jon Grandy¹; Brent Detering¹; Larry Zuck¹; Cheng-Hung Hung²; Noel Vanier²; ¹Idaho National Laboratory; ²PPG Industries Inc.

Nanomaterials Technologies: Functional Nanomaterials

Developing Bright and Color-Saturated Light Emitting Diodes and Displays Based on Colloidal Nanocrystal Quantum Dots: *Jian Xu*¹; Jerzy Ruzyllo¹; Suzanne Mohny¹; Ting Zhu¹; Andrew Wang²; ¹Pennsylvania State University; ²Ocean NanoTech LLC.

Flexible PVC Nanocomposites: Opportunities for Improvement: *Daniel Schmidt*¹; ¹University of Massachusetts at Lowell

Nantero's NRAM Universal Memory Developed with Microelectronics Grade Carbon Nanotube Formulation: *George Ghenciu*¹; ¹Nantero Inc

Plasmonics Based Ultra Compact, Low Cost Spectrometer-on-a-Chip for Personal and Everyday Applications: *Bill Choi*¹; ¹nanoLambda

Nanostructured Thin Films as Coatings for Energy Efficient Glazing in the Building and Transportation Industry: *Jim Finley*¹; ¹PPG

Nanomaterials-Based Technology Development Using Nanosilver and Nano-ZnO: *Tata Rao*¹; G. Sundararajan¹; ¹International Advanced Research Centre for Powder Metallurgy and New Materials

Luminescent Quantum Dot Nanomaterials: *Stéphane Petoud*¹; ¹University of Pittsburgh

Nanowire Devices: Heat Pipes, Photovoltaics and Sensors: *Youssef Habib*¹; ¹Illuminex Corporation



Technical Program

Nanomaterials Technologies: Nanomaterials for Energy Applications

Advances in Plexcore™ Active Layer Technology Systems for Organic Solar Cells: Andy Hannah¹; Troy Hammond¹; ¹Plextronics, Inc.

Low Cost, Nanostructured Alloy Catalysts for Fuel Cells: Arumugam Manthiram¹; ¹University of Texas at Austin

Nanoscale Effects in Solid Oxide Fuel Cells: Xiao-Dong Zhou¹; Subhash Singhal¹; ¹Pacific Northwest National Laboratory

Nucleating a Company on Quantum Dots: Clinton Ballinger¹; ¹Evident Technologies, Inc.

Nanostructured Materials: Exploring the Energy Frontier: Prashant Kumta¹; ¹Carnegie Mellon University

State and Local Development

Creative Self-Assembly – Focusing on “Applications” of Nanotechnology in Oklahoma: Jim Mason¹; ¹The Oklahoma State Chamber

“Benign by Design”: Adopting Proactive Design Strategies for Developing Inherently Safer Nanomaterials: Bettye Maddux¹; ¹ONAMI

Title Not Available: Barbara Goode¹; ¹Small Times

Title Not Available: Rebecca Bagley¹; ¹Pennsylvania Department of Community Economic Development, Pennsylvania Initiative for Nanotechnology

Nanomaterials Technologies: Structural Nanomaterials

Nano-izing Polymers with Nanoclays: Evolving Products and Applications: Karl Kamena¹; ¹CLOISITE Nanoclays

New Techniques for Carbon Nanotube Quality Control: Stephanie Hooker¹; ¹National Institute of Standards and Technology

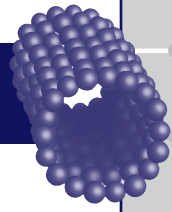
Next Generation Composites Opportunities for Commercial Aircrafts: Samra Sangari¹; Russ Maguire¹; ¹The Boeing Company

On the Use of Nanoparticles to Toughen Epoxy Resins: Raymond Pearson¹; Robert Oldak¹; Yi-Ling Liang¹; ¹Lehigh University

Multi Functional Nanocomposites and Their Commercialization: Koichi Niihara¹; Tadachika Nakayama¹; Hisayuki Suematsu¹; Tohru Sekino²; Takafumi Kusunose²; ¹Nagaoka University of Technology; ²Osaka University

Treatment of Carbon Nanotubes for Enhanced Dispersibility and Industrial Applications: Rick Simons¹; Tania Beltich¹; ¹NanoRDC

Technical Program



Nanostructured Commercial Alloys via Large-Strain Extrusion Machining: *Kevin Trumble*¹; Wilfredo Moscoso¹; Mert Efe¹; James Mann¹; Ravi Shankar¹; Srinivasan Chandrasekar¹; W. Dale Compton¹; ¹Purdue University

Large-Scale Production of Nanostructured Particulate by Modulation-Assisted Machining: *J. B. Mann*¹; C. J. Saldana¹; S. Chandrasekar²; W. D. Compton²; K. P. Trumble²; ¹M4 Sciences Corporation; ²Purdue University

Perspectives on Commercialization

Commercialization Aspects of Nanotechnology at Bayer: *Péter Krüger*¹; ¹Bayer MaterialScience AG

The Realization of Nanocomposite Products: An Integrated Approach to Technological Innovation: *Clare Allocca*¹; ¹National Institute of Standards and Technology

Where are the First Customers?: *Samuel Brauer*¹; ¹Nanotech Plus, LLC

Nanomaterials Technologies: BioNano

Dual Polarisation Interferometry – An Accessible Means of Metrology in Bionanotechnology: *Neville Freeman*¹; ¹Farfield Scientific Inc

Materials and Processes at the Nano/Bio Interface: *Sang Beom Lee*¹; ¹NanoDynamics Life Sciences, Inc.