

## Micro Nano Technology Conference Preliminary Schedule at a Glance

Monday, May 7				
7:00 – 8:15am	Registration and Sign-in			
8:15 – 8:45am	Welcome to MNT 2012!			
8:45 – 9:45am	Opening Speaker – Dr. James Adair, Professor of Materials Science and Engineering, and Bioengineering at Penn State University			
9:45 – 10:15am	<b>MNT Implementation Demos and Stories – Session A</b>			
<i>4 Concurrent Sessions</i>	The Power of Nanotechnology: Fuel Cells	Implementing a Training Program for the Nanotechnology Workforce at the University of Puerto Rico	Building Blocks to Nanotechnology: Resources for Cross-Disciplinary Integration	The SCME Pressure Sensor Process Kit - Understanding Microfabrication Processes in the Classroom
10:15 – 10:30am	Break			
10:30 – 11:30am	The Value of a Nano Education: What Are Our Students Doing Now?			
11:30 – 12:10pm	Industry Session 1			
12:10 – 1:10pm	Lunch at the Garden's Restaurant and Participant Networking Time			
1:10 – 2:30pm	Industry Session 2			
2:30 – 2:45pm	Break			
2:45 – 3:30pm	Industry and Nano and Micro Technician Graduate Panel			
3:30 – 4:15pm	Poster Session and Participant Networking Time			
4:15 – 4:45pm	<b>MNT Implementation Demos and Stories – Session B</b>			
<i>4 Concurrent Sessions</i>	Nano-Link Protein Folding Module: Inspire Your Students to Contribute to a World Wide Nanoscience Project	Collaboration of Nanotechnology Education Between 2-year Colleges and 4-year Universities	Nano and Micro Technology in the High School Curriculum	Fun with PDMS
4:45 – 5:00pm	Day 1 Evaluation and Review for Tomorrow Adjourn			
5:00 – 6:00pm	<i>Optional:</i> Teaching Room Cleanroom Tours (sign up at the registration table)			
	Dinner on Your Own – Hotel provides a free shuttle to downtown SC Participants Free Evening – Rest up for full day on Tuesday!			

<b>Tuesday, May 8</b>				
7:00 – 8:00am	<i>Optional:</i> Teaching Room Cleanroom Tours (sign at the registration table)			
7:00 – 8:00am	Continental Breakfast and Participant Networking Time			
8:00 – 8:15am	Morning Welcome – Today's Agenda / Logistics			
8:15 – 8:45am	MNT 2011 Debrief – Birds of a Feather			
8:45 – 9:30am	<b>Fame Windows – Sessions 1 and 2</b> <i>20 minute rotations with minutes in between each for transition</i>			
8:45 – 9:05am <i>Fame Windows Session 1</i>	How to Have a NanoDay	Nanotechnology Program at Ivy Tech, A Tri-Institution Collaboration: Ivy Tech CC, PSU, and the University of Notre Dame	Give 'Em What They Want and They'll Leave Happy	Vacuum Equipment Simulation Lab
9:10 – 9:30am <i>Fame Windows Session 2</i>	A Bumpy Ride with Buckyballs!	The SCME Pressure Sensor Workshop - Tech Transfer of An Innovative 4 Day Cleanroom Workshop		Ion Implantation Simulation Lab
9:30 – 9:45am	Break			
9:45 – 10:55am	<b>Fame Windows – Session 3, 4, and 5</b> <i>20 minute rotations with minutes in between each for transition</i>			
9:45 – 10:05am <i>Fame Windows Session 3</i>	Micro and Nanotechnology without Walls.	Incorporating Social and Ethical Implications of Nanotechnology in Science, Technology and Society (STS) Course at DeVry University, Addison.		NanoSafety Training: Being Proactive to Train Workers to Handle Nanomaterials
10:10 – 10:30am <i>Fame Windows Session 4</i>	Aligning Nano Technology to Regional Industry Clusters with Common First Year Curriculum		Creating a NanoFabrication Program at Your College	They Don't Know What They Don't Know Industry Summit
10:35 – 10:55am <i>Fame Windows Session 5</i>	Improving Undergraduate Research Skills in an Introductory Nanotechnology Course	Challenges and Opportunities with Integrating Nanotechnology Education into a Biotechnology Curriculum	Super Simple Superhydrophobic Surfaces	
11:00 – 11:30am	What Did You Learn? <b>Small groups</b> share ideas from Fame Windows.			
11:30 – Noon	Reconvene – Share Your Ideas			
Noon – 1:00pm	Lunch and Participant Networking Time			
1:00 – 1:30pm	<b>MNT Implementation Demos and Stories – Session C</b>			
<i>4 Concurrent Sessions</i>	Nanotechnology: Pathway to High School and Middle School Education!	Making Connections to the Real World / Presentation Skills: Nanotechnology	Shared Community College Nanotechnology Programs / Nanotechnology AAS Degree: Joys and Challenges in a Collaborative College Setting	Cross Linked Polymers: It's More than Just Snow

1:40 – 2:10pm	<b>MNT Implementation Demos and Stories – Session D</b>			
<i>4 Concurrent Sessions</i>	Dye-Sensitized Nano-crystalline Solar Cell (NACK RA Module)	Providing Micro/Nano Content to Instructors Using the Internet: A Workshop on Best Practices	Self-Assembled Monolayers (SAMs) Lab	Modification to Colloidal Gold Nanoparticle Synthesis and Characterization Experiment
2:10 – 2:20pm	Day 2 Evaluation			
2:20 – 2:45pm	Break			
2:45 – 3:15pm	Busses to Tour Site (Campus)			
3:00 – 4:00pm	<b>PSU Millennium Science Complex</b>			
<i>Tour Group A</i>	Nanofab, Bio Labs, and MCL Labs			
4:00 – 5:00pm	<b>PSU Millennium Science Complex</b>			
<i>Tour Group B</i>	Nanofab, Bio Labs, and MCL Labs			
4:30 – 5:15pm	Busses back to Nittany Lion Inn			
5:30 – 7:00pm	Dinner with Keynote Speaker – Amy Brunner, Process Engineer, Innovative Micro Technology			
7:00 – 7:30pm	Busses return to Penn Stater Conference Center – <b>OR</b> – Walk through Campus to Downtown SC (hotel provides free shuttles service – call back to Penn Stater to schedule)			

**Day 3****Wednesday, May 9, 2012**

7:00 – 8:00am	Continental Breakfast and Participant Networking Time			
8:00 – 8:15am	Morning Welcome – Today's Agenda / Logistics			
8:15 – 8:45am	<b>MNT Implementation Demos and Stories – Session E</b>			
<i>4 Concurrent Sessions</i>	Electrodeposition of Nickel Nanowires (NACK Remote Access Module)	Strategy for Encouragement of Women and Minorities in STEM Using Peer-led Micro-Nano Technology Instruction	A Less Expensive LED Activity	Microsystems Educational Workshop at the University of South Florida (SCME)
8:45 – 9:15am	Structured Networking Time – Continuing the Conversation <i>Refreshments available in Break Area beginning @ 9 AM</i>			
9:15 – 9:30am	Break			
9:30 – 10:00am	<b>MNT Implementation Demos and Stories – Session F</b>			
<i>4 Concurrent Sessions</i>	Conductivity Experiment	Implementation of A Micro- and Nano-Technology Concentration in Tribal Community Colleges	Micro Contact printing	Class on a Chip: A MEM- based Educational Laboratory
10:05 – 11:00am	Closing Speaker – Dr. Celia Merzbacher, Vice President at Semiconductor Research Corp			
11:00 – 11:30am	Conference Wrap-up – “Go Forth and do Nano (Micro)!” Conference Evaluations			
11:30am	Boxed Lunches Adjourn			