





7:15 PM Dinner and Guest Speaker  
*"Microelectronics in the "More Than Moore" Age: Becoming a Truly Pervasive Technology"* ...Kensall D. Wise, University of Michigan

8:15 PM Museum Free Time

11:00 PM Museum Closes

**Thursday, May 23, 2013**

7:30 AM Breakfast (Gallery)

8:10 AM Opening Remarks  
*"Envisioning the Engineering Adventures That Lie Ahead"*  
...Lynn Conway, University of Michigan

8:20 AM Manufacturing Processes Session (continued)

*"Nanomanufacturing as a Route to Enhanced MRI Agents"*  
...Gary Zabow, NIH, NINDS

*"Stochastic Manufacturing Processes: Massively Parallel Micro-Scale Self-Assembly"* ...Karl F. Böhringer, University of Washington

9:00 AM Infra-Technologies and Policy Session – A. John Hart, Chair

*"Standards Ecosystem for Nano- and Micro-Manufacturing: Key Components in the Bridge to Commercialization"*  
...Herbert S. Bennett, NIST

*"NSF NNIN: From Invention to Innovation"*  
...Khalil Najafi, University of Michigan

*"Maskless Photolithography: Changing the Game in Nano and Micro Manufacturing"* ...Henry I. Smith, Massachusetts Institute of Technology

10:00 AM Break (Gallery)

10:20 AM Infra-Technologies and Policy Session (continued)

*"The Nanometrology Bottleneck: Challenges and Recent Advances"*  
...J. Alexander Liddle, NIST

*"Nano-Doom?: The Myths, Facts, and Uncertainties Surrounding the Environmental and Public Health Implications of Nanotechnology"*  
...Desiree L. Plata, Duke University

11:00 AM One-Minute Poster Presentations

11:30 AM Lunch and Poster Session II (Gallery)

1:00 PM Parallel Panel Sessions

Panel I – Discussion on Future Manufacturing Grand Hall 1  
...Andrew D. Oliver, Moderator

Opening Talk

*“Continuous Nanomanufacturing From Bench to Commercialization”*

...Jessica Winter, Core Quantum Technologies and Ohio State University

Panelists: Flávia Cassiola, Kalyan Handique, Sandrine Martin,  
Khalil Najafi, Henry Smith

Panel II – Discussion on Barriers to Commercialization Grand Hall 2  
...Joseph M. Giachino, Moderator

Opening Talk

*“Technology Clusters and Their Role in Commercialization”*

...Roger Grace, Roger Grace Associates

Panelists: Patricia Glaza, Roger Grace, Karen Lightman, John Palmer,  
Raymond Roop

2:10 PM Wrap-up and Adjourn ...A. John Hart and Katsuo Kurabayashi

*OPTIONAL: Tour of Lurie Nanofabrication Facility at the University of Michigan*

*2:30 pm - Leave Ford Event Center*

*5:00 pm – Return to Ford Event Center*

*To Sign Up Contact: Khaled Mnaymneh, [kmnay@umich.edu](mailto:kmnay@umich.edu)*