

New York’s Nanotechnology Model:

Building the Innovation Economy

A Symposium Organized by

**The U.S. National Academy of Sciences**

**in cooperation with**

**Hudson Valley Community College, the Center for Economic Growth,**

**GlobalFoundries, and Rensselaer Polytechnic Institute**

**Agenda**

**3-4 April 2013**

**Bulmer Telecommunications Center**

**Hudson Valley Community College**

**80 Vandenburgh Avenue**

**Troy, NY**



**Day 1, 3 April 2013**

1:00PM **Welcome and Introductory Remarks**

*Drew Matonak, President, Hudson Valley Community College*

*The Honorable Paul Tonko, U.S. House of Representatives*

1:30PM  **Keynote Address**

*Ajit Manocha, CEO, GlobalFoundries*

2:15PM **Panel I: Innovation and Growth: Regional, National, and International Dimensions**

# *Moderator: Jason Miller, Special Assistant to the President for Manufacturing Policy, National*

# *Economic Council*

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**The Global Innovation Imperative**

*Charles Wessner, Director, Technology, Innovation, and Entrepreneurship, The National Academies*

**Challenges and Opportunities for the New York Innovation Economy**

*Darren Suarez, Director of Government Affairs, The Business Council of New York State*

**The U.S. Innovation Strategy – The NIST Contribution**

*Phillip Singerman, Associate Director for Innovation and Industry Services, National Institute of Standards and Technology*

3:30 PM **Coffee Break**

3:45 PM **Keynote Address**

*Shirley Ann Jackson, President, Rensselaer Polytechnic Institute*

4:15 PM **Panel II: The New York Nanotechnology Cluster**

*Moderator: Rex Smith, Editor, Times Union*

**The New York Innovation Economy and the Nanotechnology Cluster: The Role of SUNY**

*Timothy Killeen, President, Research Foundation for SUNY and Vice Chancellor for Research, The State*

*University of New York*

**The Economic Impact of the Albany Cluster**

*Ken Adams, President & CEO, Empire State Development*

**Building the New York Cluster: Lessons Learned and New Opportunities**

*Pradeep Haldar, Head of Nanoeconomics Constellation, College of Nanoscale Science*

*& Engineering, The State University of New York at Albany*

5:15 PM **Adjourn to Reception**

**Day 2, 4 April 2013**

9:00 AM **Welcome and Introduction**

*Drew Matonak, President, Hudson Valley Community College*

9:15 AM **Panel III: Growing the Semiconductor Industry in New York: Challenges and Opportunities**

*Moderator: Charles Wessner, Director, Technology, Innovation, and Entrepreneurship, The National*

*Academies*

**Breaking New Ground: The New York Advantage**

*Mike Russo, Director of Government Affairs, GlobalFoundries*

**IBM’s Strategic Alliance Partnerships**

*Gary Patton, Vice President, Semiconductor Research & Development Center, IBM*

**The SEMATECH New York Experience**

*Daniel Armbrust, President and CEO, SEMATECH*

10:30 AM **Coffee Break**

10:45 AM **Panel IV: 21st Century Universities: Drivers of Regional Growth and Employment**

*Moderator: Luis Proenza, President, The University of Akron*

**The Power of SUNY**

*Nancy Zimpher, Chancellor, The State University of New York*

**Universities as Economic Anchors**

*Donald Siegel, Dean, School of Business, State University of New York at Albany*

**Technical Training for Innovation-Driven Employment**

*Drew Matonak, President, Hudson Valley Community College*

**Building Innovation Infrastructure: The Role of EDA**

*Thomas Guevara, Deputy Assistant Secretary for Regional Affairs, Economic Development Administration*

12:15 PM **Lunch**

1:15 PM **Keynote Address**

*Alain Kaloyeros, Senior Vice President and CEO, College of Nanoscale Science*

*& Engineering, The State University of New York at Albany*

1:45 PM **Panel V: Building Advanced Manufacturing Industries in New York**

*Moderator:**Frank Murray, President and CEO, NYSERDA*

**Manufacturing and Innovation in New York: The GE Perspective**

*Luana Iorio, Technology Leader – Manufacturing Technologies, General Electric*

**Advanced Manufacturing for New Energy Technologies**

*Minh Le, Director, Solar Energy Technologies, Department of Energy*

**University-Industry Partnerships for Next Generation Manufacturing**

*John Wen, Director, Center for Automation Technologies and Systems, Rensselaer Polytechnic Institute*

**Lessons Learned to Date in the New “Tech Valley”**

*Michael Tucker, President & CEO, Center for Economic Growth*

3:00 PM **Coffee Break**

3:15 PM **Panel VI: Nanotechnology and Biomedical Sciences**

*Moderator: David Rooney, Senior Vice President, Center for Economic Growth*

**Innovation in Cancer Research: The Nanotechnology Opportunity**

*Larry Nagahara, Director, Physical Sciences-Oncology, National Cancer Institute*

**Advancing Nano-Biotechnology**

*Jonathan Dordick, Vice President for Research, Rensselaer Polytechnic Institute*

**Opportunities Through Collaboration Between the Semiconductor, Pharmaceutical and Medical Device Industries**

*Brian Toohey, President, Semiconductor Industry Association*

**Building the Brain-Computer Interface: Clinical and Experimental Needs**

*Anthony Ritaccio, Director, Epilepsy and Human Brain Mapping, Albany Medical Center*

4:15 PM **Closing Roundtable: New York’s Innovation Future**

*Moderator: Charles Wessner, Director, Technology, Innovation, and Entrepreneurship, The National*

*Academies*

*Michael Liehr, Executive Vice President of Innovation and Technology, College of Nanoscale Science*

*and Engineering, The State University of New York at Albany*

*W. Clark McFadden, Senior Counsel, Orrick, Herrington & Sutcliffe LLP; Committee Member, National*

*Academies Committee on State and Regional Innovation Initiatives*

*Kathleen Kingscott, Senior Director for Strategic Partnerships, IBM*

*Jonathan Dordick, Vice President for Research, Rensselaer Polytechnic Institute*

*Mike Russo, Director of Government Affairs, GlobalFoundries*

*Johanna Duncan-Poitier, Senior Vice Chancellor for Community Colleges and the Education Pipeline,*

*The State University of New York*

*Luana Iorio, Technology Leader – Manufacturing Technologies, General Electric*

5:00 PM **Adjourn**