

2013 NNI Strategic Planning Stakeholder Workshop

AGENDA: Tuesday, June 11, 2013

7:30 – 8:30 **Registration and Coffee**

Session 1: Setting the Scene

Moderator: Anthony Green, Vice President of Technology Commercialization: Life Sciences, Ben Franklin Technology Partners; Director, The Nanotechnology Institute

8:30 – 8:45 **Welcome, NNI Overview, & Charge to Participants**
Altaf Carim, Assistant Director for Nanotechnology, Office of Science and Technology Policy, Executive Office of the President, United States

8:45 – 9:10 **Synergies with Other Federal Initiatives**
Thomas Kalil, Deputy Director for Technology and Innovation, Office of Science and Technology Policy, Executive Office of the President, United States

9:10 – 9:35 **Bridging Technologies**
Paul Braun, Ivan Racheff Professor of Materials Science and Engineering, University of Illinois at Urbana-Champaign

9:35 – 10:00 **Commercializing Nanotechnology**
Christopher Schuh, Head of Department of Materials Science and Engineering and Danae and Vasilios Salapatas Professor of Metallurgy, Massachusetts Institute of Technology

10:00 – 10:25 **Infrastructure Needs**
Julia Phillips, Vice President and Chief Technology Officer, Sandia National Laboratories

10:25 – 10:50 **Break**

10:50 – 11:15 **International Challenges and Opportunities**
Shaun Clancy, Director and Regional Head, Product Regulatory Services, Evonik Corporation

11:15 – 11:40 **Ethical, Legal, and Societal Implications**
Barbara Herr-Harthorn, Principal Investigator and Director of the Center for Nanotechnology in Society, University of California Santa Barbara

11:40 – 12:20 **Discussion with Panel of Morning Speakers**

12:20 – 12:30 **Introduction to Parallel Breakout Sessions**
World Nieh, National Program Lead, Forest Products, Forest Service R&D

12:30 – 1:45 **Lunch (on your own)**

2013 NNI Strategic Planning Stakeholder Workshop

Session 2: Breakout Sessions

2:00 – 4:30

Parallel Breakout Sessions (self-managed coffee breaks)

Environmental, Health, and Safety Considerations

Co-Chair: Richard Canady, Director, Center for Risk Science Innovation and Application, ILSI Research Foundation

Co-Chair: Charles Geraci, Coordinator, Nanotechnology Research Center, National Institute for Occupational Safety and Health

Co-Chair: Thabet Tolaymat, Interim Associate National Program Director, Emerging Materials and Sustainability, Chemical Safety for Sustainability Program, U.S. Environmental Protection Agency

Infrastructure Needs

Co-Chair: Robert Rudnitsky, Scientific Advisor, Center for Nanoscale Science and Technology, National Institute of Standards and Technology

Co-Chair: Donald Tennant, Director of Operations, Cornell Nanoscale Science and Technology Facility

Ethical, Legal, and Societal Implications

Co-Chair: David Berube, Professor of Communications, North Carolina State University

Co-Chair: Fred Kronz, Director, Science, Technology, and Society Program, National Science Foundation

Commercializing Nanotechnology

Co-Chair: Michael Meador, Manager, Nanotechnology Project, Game Changing Development Program, National Aeronautics and Space Administration

Co-Chair: Skip Rung, President and Executive Director, Oregon Nanoscience and Microtechnologies Institute

Technical Challenges

Co-Chair: Ali Shakouri, Mary Jo and Robert L. Kirk Director of Birck Nanotechnology Center and Professor of Electrical and Computer Engineering, Purdue University

Co-Chair: David Stepp, Division Chief, Materials Science Division, U.S. Army Research Office

Session 3: Report Back and Synthesis Conversation

Moderator: World Nieh, National Program Lead, Forest Products, Forest Service R&D

4:30 – 5:15

Summary of Breakout Sessions

Breakout Session Co-Chairs

5:15 – 5:30

Discussion & Public Comment

2013 NNI Strategic Planning Stakeholder Workshop

AGENDA: Wednesday, June 12, 2013

8:00 – 8:45 **Coffee**

Session 4: Responsible Development

Moderator: Debra Kaiser, Technical Program Director, Advanced Materials and Nanoparticles and Environment, Health and Safety (NanoEHS), National Institute of Standards and Technology

8:45 – 9:00 **Recap of Day 1 & Instructions for Day 2**

Debra Kaiser, Technical Program Director, Advanced Materials and Nanoparticles and Environment, Health and Safety (NanoEHS), National Institute of Standards and Technology

9:00 – 9:30 **Environmental, Health, and Safety Considerations**

David Warheit, Research Fellow, DuPont Haskell Global Centers for Health and Environmental Sciences

Session 5: Breakout Sessions Reconvene

9:30 – 12:00 **Parallel Breakout Sessions** (self-managed coffee breaks)

Environmental, Health, and Safety Considerations

Co-Chair: Richard Canady, Director, Center for Risk Science Innovation and Application, ILSI Research Foundation

Co-Chair: Charles Geraci, Coordinator, Nanotechnology Research Center, National Institute for Occupational Safety and Health

Co-Chair: Thabet Tolaymat, Interim Associate National Program Director, Emerging Materials and Sustainability, Chemical Safety for Sustainability Program, U.S. Environmental Protection Agency

Infrastructure Needs

Co-Chair: Robert Rudnitsky, Scientific Advisor, Center for Nanoscale Science and Technology, National Institute of Standards and Technology

Co-Chair: Donald Tennant, Director of Operations, Cornell Nanoscale Science and Technology Facility

Ethical, Legal, and Societal Implications

Co-Chair: David Berube, Professor of Communications, North Carolina State University

Co-Chair: Fred Kronz, Director, Science, Technology, and Society Program, National Science Foundation

2013 NNI Strategic Planning Stakeholder Workshop

Commercializing Nanotechnology

Co-Chair: Michael Meador, Manager, Nanotechnology Project, Game Changing Development Program, National Aeronautics and Space Administration

Co-Chair: Skip Rung, President and Executive Director, Oregon Nanoscience and Microtechnologies Institute

Technical Challenges

Co-Chair: Brian Pate, Physical Scientist, Defense Threat Reduction Agency, Joint Science and Technology Office for Chemical and Biological Defense

Co-Chair: Ali Shakouri, Mary Jo and Robert L. Kirk Director of Birck Nanotechnology Center and Professor of Electrical and Computer Engineering, Purdue University

Session 6: What We Learned

Moderator: Robert Pohanka, Director, National Nanotechnology Coordination Office

12:00 – 12:45 **Report Back and Synthesis Conversation**
Breakout Session Co-Chairs

12:45 – 1:00 **Concluding Remarks**
Robert Pohanka, Director, National Nanotechnology Coordination Office

Writing Session

2:00 – 5:00 **Writing Session**
Session chairs and writing teams.
All workshop participants are invited to attend