

# 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

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

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)**

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## 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**

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## 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**

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**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

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## Commercializing Nanotechnology

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## 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 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