MEETING AGENDA
Tuesday September 10, 2013

7:30 – 8:30  Registration and Coffee

8:30 – 8:35  INTRODUCTIONS
Igor Linkov, Risk and Decision Science Focus Area Lead, US Army Engineer Research and Development Center, Department of Defense
Treye Thomas, Toxicologist Office of Hazard Identification and Reduction, Consumer Product Safety Commission
Jeff Steevens, Senior Scientist, US Army Engineer Research and Development Center, Department of Defense

8:35 – 8:50  WELCOME, NNI OVERVIEW, and CHARGE TO PARTICIPANTS
Altaf Carim, Assistant Director for Nanotechnology, Office of Science and Technology Policy, Executive Office of the President

8:50 – 9:00  ACTIVITIES SINCE THE 2010 NNI CAPSTONE MEETING and EXPECTATIONS
Treye Thomas, Toxicologist Office of Hazard Identification and Reduction, Consumer Product Safety Commission

SESSION 1:  A Snapshot on the Perception, Assessment, and Management of the Potential Risks of Nanotechnology
Moderator: Mark Wiesner, James L. Meriam Professor, Duke University

9:00 – 9:20  The Next Steps in Risk Management of Nanomaterials: A Perspective from Industry
Stephen Gibbons, Director of Technology, Brewer Science, Inc.

9:20 – 9:40  A Perspective from the Consumer Community
Michael Hansen, Senior Staff Scientist, Consumers Union

9:40 – 10:00  A Labor Perspective on the Assessment and Management of the Potential Risks of Nanotechnology
Darius Sivin, International Representative at the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America

10:00 – 10:20  Coffee Break

10:20 – 10:40  The Role of Standards in Addressing Issues Relating to Risk
Ajit Jillavenkatesa, Senior Standards Policy Adviser with the Standards Coordination Office at the National Institute of Standards and Technology

10:40 – 11:00  Assessment and Management of Nano Risk: A Regulatory Perspective
Timothy F. Malloy, Professor of Law Faculty Director, University of California Los Angeles Sustainable Technology and Policy Program

http://www.nano.gov/R3workshop, Email: NNIR3@nnco.nano.gov, Twitter: @NNInanonews #NNIR3, LinkedIn’s NNI Group: http://linkd.in/167kRml
MEETING AGENDA (Cont.)
Tuesday September 10, 2013

11:00 – 11:20  A Greenscreen™ Hazard Assessment Approach for Nanomaterials – Case Study of Nanosilver
Jennifer Sass, Senior Scientist in the Health and Environment program of the Natural Resources Defense Council

11:20 – 11:50  DISCUSSION WITH PANEL OF MORNING SPEAKERS

11:50 – 12:00  CHARGE TO BREAKOUT PARTICIPANTS
Jeff Steevens, Senior Scientist, US Army Engineer Research and Development Center, Department of Defense

12:00 – 13:00  Lunch (on your own)

SESSION 2:  Breakout Session, PART 1
(Allow for Coffee Break from 14:30-15:00)

13:00 – 16:00  PARALLEL BREAKOUT SESSIONS BY TYPE OF DECISION

Group 1: Occupational Risk Analysis and Decision Making
Chairs: Paul A. Schulte, Director, Education and Information Division, The National Institute for Occupational Safety and Health
Bruce Lippy, Director of Safety Research, CPWR, The Center for Construction Research and Training

Group 2: Commercial Product Life Cycle Stage
Chairs: Rick Canady, Director, Center for Human Health Risk Assessment Research Foundation, International Life Sciences Institute
Todd Kuiken, Senior Research Associate with the Science and Technology Innovation Program at the Woodrow Wilson International Centre for Scholars

Group 3: Environmental Life Cycle Implications
Chairs: Tom Seager, Associate Professor of in the School of Sustainable Engineering, Director of Sustainable Engineering and Environmental Decision Sciences (SEEDS) at Arizona State University
Matthew Hull, Program Manager for the Nanoscale Science and Engineering and Nano-Bio Interface Research Thrusts, Institute for Critical Technology and Applied Science (ICTAS), Virginia Polytechnic Institute and State University

16:00 – 16:30  Coffee Break

http://www.nano.gov/R3workshop, Email: NNIr3@nnco.nano.gov, Twitter: @NNIhanonews #NNI03, LinkedIn's NNI Group: http://linkd.in/167kRml
SESSION 3: Report Back and Synthesis Conversation

Moderators: Treye Thomas, Toxicologist Office of Hazard Identification and Reduction, Consumer Product Safety Commission,
Christine Hendren, Executive Director of the Center for the Environmental Implications of NanoTechnology, Duke University

16:30 – 17:00 SUMMARY OF BREAKOUT SESSIONS

Breakout Session Co-Chairs

17:00 – 17:15 DISCUSSION and PUBLIC COMMENTS
MEETING AGENDA

Wednesday September 11, 2013

8:00 – 8:30  Coffee

8:30 – 8:45  RECAP OF DAY 1 and INSTRUCTIONS FOR DAY 2
Igor Linkov, Risk and Decision Science Focus Area Lead, US Army Engineer Research and Development Center, Department of Defense

SESSION 4:  Keynote Perspectives on Risk Analysis
Moderator: Igor Linkov, Risk and Decision Science Focus Area Lead, US Army Engineer Research and Development Center, Department of Defense

8:45 – 9:15  Risk Analysis
Baruch Fischhoff, Howard Heinz University Professor, Social and Decision Sciences and Engineering and Public Policy Head, Decision Sciences Major, Carnegie Mellon University

9:15 – 9:45  Nanotechnology Multi-Stakeholder Risk Perception: Implications for Risk Analysis, Management, and Communication
Barbara Herr Harthorn, Principal Investigator and Director of the Center for Nanotechnology in Society, Professor of Anthropology, University of California Santa Barbara

9:45 – 10:15  Coffee Break

SESSION 5:  Breakout Session, PART 2

10:15 – 12:15  PARALLEL BREAKOUT SESSIONS BY TYPE OF DECISION MAKER

Group 1: The Research Community
Chairs: Christie Sayes, Program Manager, Research Triangle Institute
Jackie Isaacs, Professor of Mechanical and Industrial Engineering, Northeastern University

Group 2: The Regulatory Community
Chairs: Janet Carter, Health Scientist and Acting Director, Office of Biological Hazards, Occupational Safety and Health Administration
Rick Reibstein, Environmental Analyst, Outreach and Policy Manager, Massachusetts Office of Technical Assistance

Group 3: The Nanomanufacturing Community
Chairs: Ahmed Busnaina, William Lincoln Smith Chair Professor and Director, Northeastern University
Craig Bandes, President and CEO, Pixelligent Technologies

Group 4: The Small Business Community
Chairs: Doyle Edwards, Director of Business Development, Brewer Science, Inc., Rick Pleus, Managing Director and Toxicologist at Toxicologist, Intertox, Inc.

http://www.nano.gov/R3workshop, Email: NNIR3@nnco.nano.gov, Twitter: @NNInanonews #NNIR3, LinkedIn’s NNI Group: http://linkd.in/167kRml
MEETING AGENDA (Cont.)
Wednesday September 11, 2013

SESSION 5: Breakout Session, PART 2 (Cont.)

10:15 – 12:15 PARALLEL BREAKOUT SESSIONS BY TYPE OF DECISION MAKER (Cont.)

**Group 5: The Financial Risk Community**
Chairs: Martha Marrapese, Partner at Keller and Heckman LLP
Clayton Shoup, Workers’ Compensation Line of Business Director, Zurich North America Risk Engineering

**Group 6: Other Public Communities**
Chairs: Charles Geraci, Senior Scientist and Coordinator of the Nanotechnology Research Center, the National Institute for Occupational Safety and Health
David M. Berube, Professor of Communications and Director, North Carolina State University

**Group 7: The NGO Community**
Chairs: Terry Gordon, Professor of Environmental Medicine at New York University, Chair of the American Conference of Governmental Industrial Hygienists
Carolyn Cairns, Independent Consultant

SESSION 7: Report Back and Synthesis Conversation
Moderators: Jeff Steevens, Senior Scientist, US Army Engineer Research and Development Center, Department of Defense
Carolyn Cairns, Independent Consultant

12:15 – 13:00 SUMMARY OF BREAKOUT SESSIONS
Breakout Session Co-Chairs

13:00 – 14:00 Lunch (on your own)

SESSION 8: Parallel Roundtable Sessions & Concluding Remarks

14:00 – 16:00 Roundtable Discussion Groups:

**Group 1: Needs and Perspectives of Emerging Businesses**
Moderator: Jay West, Senior Director, Chemical Products and Technology, American Chemical Council
MEETING AGENDA (Cont.)

Wednesday September 11, 2013

14:00 – 16:00 Roundtable Discussion Groups (Cont.):

Group 2: A Sector-Based Approach: Perspectives from the Pharmaceutical Industry
Moderators: Frank Malinoski, Chief Medical Officer, Liquidia Technologies, Inc.
Lawrence Tamarkin, President and CEO, Cytimmune Sciences, Inc.

Group 3: Public Risk Perception and Communication
Moderator: Barbara Herr Harthorn, Principal Investigator and Director of the Center for Nanotechnology in Society, Professor of Anthropology, University of California Santa Barbara

16:00 – 16:30 Coffee Break

16:30 – 17:00 Summary and Discussion of Roundtable Sessions
Moderator: Jeff Steevens, Senior Scientist, US Army Engineer Research and Development Center, Department of Defense

17:00 – 17:15 Discussion and Public Comments

17:15 – 17:30 Concluding Remarks
Igor Linkov, Risk and Decision Science Focus Area Lead, US Army Engineer Research and Development Center, Department of Defense
Treye Thomas, Toxicologist Office of Hazard Identification and Reduction, Consumer Product Safety Commission
Jeff Steevens, Senior Scientist, US Army Engineer Research and Development Center, Department of Defense