

The Future of the NNI: A Stakeholder Workshop

August 1-2, 2019

Washington, DC

TENTATIVE AGENDA

The NNI has played a pivotal role in fostering and advancing a dynamic nanotechnology ecosystem in support of the initiative's four goals: advance world-class research, foster commercialization, develop and sustain research infrastructure, and support the responsible development of nanotechnology. Building on this strong foundation, experts across the nanotechnology community will share their perspectives on the key elements required for the nanotechnology enterprise to thrive over the next 15 years.

DAY 1

8:00 – 9:00 am **Registration and Coffee**

9:00 – 9:20 am **Welcome and Intros**, including charge to participants

Session 1: Vision for the Future of the Nanotechnology Enterprise

This session will explore a **vision** for what nanotechnology R&D can enable over the next 15 years. Based on the ideas discussed in this session, participants will address ecosystem needs to achieve this vision in subsequent sessions.

9:20 – 10:00 am **Keynote**
• John Rogers, Northwestern

10:00 – 10:30 am BREAK

10:30 am – 12:00 pm **Plenary Discussion Panel**
• Moderator: Andrew Schwartz, DOE
• Norman Scott, Cornell University
• Dawn Bonnell, University of Pennsylvania
• Sudipta Seal, University of Central Florida
• Alan Seabaugh, Notre Dame

12:00 – 1:00 pm LUNCH

Session 2: Needs Across the Nanotechnology Ecosystem

Breakout sessions to discuss **needs** to achieve the vision outlined in Session 1. Each breakout session will be primarily discussion-based and address topics provided by workshop organizers.

1:00 – 2:15 pm **Breakout Sessions**
• **Water & Environment**
Moderator: Qilin Li, Rice University
• **Energy**
Moderator: Saniya LeBlanc, George Washington University
• **Nanomedicine**
Moderator: Andre Nel, University of California, Los Angeles
• **Electronics**

2:15 – 2:30 pm BREAK

2:30 – 3:45 pm **Breakout Sessions:**
• **Food & Agriculture**
• **Sensing/Internet of Things**
Moderator: Evangelyn Alocilja, Michigan State University
• **Aerospace & Automotive**
Moderator: Debbie Senesky, Stanford University
• **Infrastructure**
Moderator: Matteo Pasquali, Rice University

3:45 – 5:00 pm **Breakout Session Read-Outs**
Moderator: Stacey Standridge, NNCO

5:00 – 6:00 pm **Townhall Discussion**
Moderator: Lisa Friedersdorf, NNCO

DAY 2

8:00 – 8:25 am **Coffee**

8:25 – 8:30 am **Day 2 welcome**

8:30 – 9:30 am **Commercialization Panel**

Moderator: Matthew Laudon, TechConnect Innovation

Matthew Hull, NanoSafe, Inc.

Alexis Wells Carpenter, AxNano, LLC

Session 3: Mechanisms to Support Key Ecosystem Needs

*This session will reconvene the breakout groups from Session 2 to discuss **mechanisms** to address the previously identified needs. The breakout sessions will be primarily discussion-based and moderated by a Federal representative.*

9:30 – 10:45 am **Breakout Sessions:**

- **Water & Environment**
Moderator: Nora Savage, NSF
- **Nanomedicine**
Moderator: Piotr Grodzinski NIH
- **Energy**
- **Electronics**

10:45 – 11:00 am BREAK

11:00 am – 12:15 pm **Breakout Sessions:**

- **Food & Agriculture**
Moderator: Hongda Chen, USDA NIFA
- **Sensing/Internet of Things**
- **Aerospace & Automotive**
- **Infrastructure**

12:15 – 1:15 pm LUNCH

1:15 – 2:30 **Breakout Session Read-Outs**

2:30 – 2:45 pm BREAK

Session 4: Tying It All Together

Building on the conversations throughout the event, this session will synthesize the key findings to identify potential strategic directions for the NNI.

2:45 – 4:15 pm **Synthesis of Workshop Discussions**

- Moderator: Paul Westerhoff, Arizona State University
- Quinn Spadola, Georgia Institute of Technology
- Ahmed Busnaina, Northeastern University

4:15 – 4:30 pm **Workshop Wrap-up**