



## AGENDA

### Monday, April 30: Pre-Workshop Site Visits and Welcome Reception

8:45am- 5pm: **Pre-workshop site visits**

Board bus at 8:45am at Embassy Suites (coffee and donuts from Voodoo Donuts to be provided). Tours of Intel, FEI, and the “Silicon Forest”. Lunch at the historic McMenamin’s Cornelius Pass Roadhouse. Afternoon tour at Portland State Business Accelerator (nanotech startups) and the Center for Electron Microscopy and Nanofabrication (ONAMI shared user facility), and NWNanoNet™ remote access demo.

6:00 **Welcoming Reception** in the Multnomah Room at the Embassy Suites  
**Comments by Senator Ron Wyden (D-OR)**

### Tuesday, May 1

7:30 **Registration and Continental Breakfast**

8:30 **Welcome Address & Overview of the Workshop**  
**Skip Rung**, Executive Director of the Oregon Nanoscience and Microtechnologies Institute (ONAMI), and **Robert Pohanka**, Director of the NNCO  
**Comments by Congresswoman Suzanne Bonamici (D-OR)**

9:00 **Keynote: Overview of the NNI and Related Federal Initiatives**  
**Altaf Carim**, White House Office of Science and Technology Policy (OSTP)

### **Session A: Federal Resources and Initiatives for RSLs**

**Session Chair: Skip Rung**, Executive Director of the Oregon Nanoscience and Microtechnologies Institute (ONAMI)

9:30 **Retrospective on NNI RSL Initiatives**  
**Clayton Teague**, former Director of the National Nanotechnology Coordination Office (NNCO)

10:00 **Coffee and Networking Break**

10:30 **Nanomanufacturing and the NNI Signature Initiative**  
**Alex Liddle**, Group Leader of the Center for Nanoscale Science and Technology (CNST) Nanofabrication Research Group at NIST

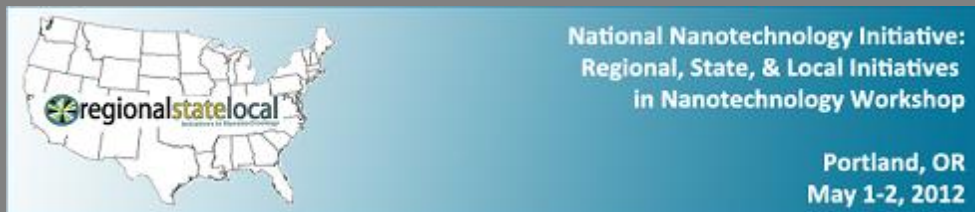


- 11:00      **Panel Session: Federal Resources for Initiative Programs**  
 Moderator: **Sally Tinkle**, NNCO  
 Panelists: **Mike Meador**, NASA; **Sandra Chapman**, National Institutes of Health's National Cancer Institute (NIH/NCI); **Chris Cannizarro**, State Department; **Khershed Cooper**, Department of Defense (DoD); **Ben Schrag**, National Science Foundation (NSF); and **Altaf Carim**, OSTP
- 12:00-1:15      **Lunch with Keynote Speaker: *"The Imagination Economy: The Public Sector can be a Partner and a Potent Catalyst to build a Stronger Economic Future"***  
**Oregon State Treasurer Ted Wheeler**

## **Session B: Current Landscape of RSLs and their Status**

**Session Chair: Jim Murday**, University of Southern California

- 1:15      **Overview of Current RSL Landscape**  
**Jim Mason**, Oklahoma Nanotechnology Initiative
- 1:45      **National Overview of RSLs and Tech-Based Economic Development**  
**Mark Skinner**, State Science and Technology Institute (SSTI)
- 2:15      **Panel Session: RSL Representatives Discuss Their Challenges and Successes**  
 Moderator: **Vince Caprio**, NanoBCA  
 Panelists: **Jim Mason**, Oklahoma Nanotechnology Initiative; **Griff Kundahl**, Center of Innovation for Nanobiotechnology (COIN); **Skip Rung**, ONAMI; **Kevin Conley** (FTCC); **Osama Awadelkarim** (PSU-NACK); and **Ed Cupoli**, SEMATECH
- 3:15      **Coffee and Networking Break**
- 3:45      **Charge to Breakout Sessions**  
 Workshop Co-Chair **Jim Kadtke**



### Breakout Session Topics:

1. **Resourcing the Commercialization Lifecycle** -- Co-chairs: Skip Rung and Ben Schrag
2. **Fostering the U.S. Nanotechnology Workforce** -- Co-chairs: Jim Murday and Kevin Conley
3. **Reducing Uncertainty in the Marketplace: Regulation, Insurance, and Risk Management** --  
Co-Chairs: Rick Pleus, Charlie Gause
4. **Effective Partnering for an Innovation Ecosystem** -- Griff Kundahl, and Mary Jo Waits
5. **The Value Proposition of RSL Nanotechnology Initiatives** -- Co-Chairs: Tony Green, Egils Milsberg

5:15            **Report Out on Breakouts and Synthesis**

6:00            **Public Comment Period (15 minutes)**  
**Moderator: Sally Tinkle**

6:30            **Reception**

7:00            **Banquet with Keynote Speaker Brian Markwalter, Consumer Electronics Association: *How Innovation Enhances American Competitiveness***

### **Wednesday, May 2**

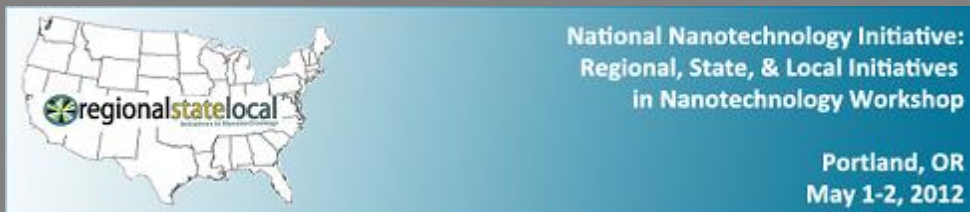
7:30            **Continental breakfast**

8:30            **Welcome back; Overview of Day One**  
Workshop NNCO Staff Lead **Jim Kadtke**  
**With Comments by Senator Jeff Merkley (D-OR)**

9:00            **Keynote: "A Co-Innovation Business Model: Lessons from an Industry Perspective"**  
**Sam Angelos, Hewlett Packard**

**Session C: RSL Best Practices, Business Models, and Mechanisms for Partnering**  
**Session Chair: Bettye Maddux, CSMC/ ONAMI**

9:30            **An Industry Perspective: "Partnerships: Driving the Materials Revolution"**  
**Travis Earles, Lockheed Martin**



10:00 **Coffee and Networking Break**

10:30 **Best Practices for Innovation in RSLs**  
**Mary Jo Waits**, National Governors Association (NGA)

11:00 **Panel Session: Forward Looking Problem Solving, Improved Models, & Policy and Legislative Proposals**  
 Moderator: **Jeff Morse**, University of Massachusetts  
 Panelists: **Deb Newberry**, North Dakota Community College; **Rick Pleus**, Intertox; **Mujdat Karatas** (INSCX); **Matt Laudon**, Nano Science and Technology Institute (NSTI); **Tony Green**, Ben Franklin Partnership; and **Ross Kozarsky**, Lux Research

**12:00-1:15 Lunch with Keynote Speaker, Don Kania, President and CEO, FEI**

**Session D: RSLs and Future U.S. Economic Growth: From Concept to Action**  
**Session Chair: Cindy Dahl**, VP of Operations at ONAMI

1:15 **Global Trends in Nanotechnology**  
**Tim Harper**, Cientifica

1:45 **Challenges of Job Creation**  
**Charles Wessner**, National Academies of Sciences

2:15 **Instructions for Roadmapping Sessions**  
**Skip Rung and Jim Kadtke**

2:30 **RSL Roadmapping Café**

4:00 **Report Outs and Synthesis on Roadmapping Café**

5:00 **Adjourn for Day Two- End of Workshop**

6:00 **Group Dinner for Day 3 Writing Teams**



**National Nanotechnology Initiative:  
Regional, State, & Local Initiatives  
in Nanotechnology Workshop**

**Portland, OR  
May 1-2, 2012**

**Thursday, May 3: Additional Sessions for Writing Teams**

- 9:00 **Review of breakout groups materials by panel chairs and discussion leaders;  
Guidance for report drafting sessions**  
**Skip Rung and Jim Kadtke**
- 10:00 **Writing Session**  
Session co-chairs and writing teams must attend, but all are invited
- 12:00 **Working Lunch**
- 1:30 **Summary and Adjournment**