

NCLT



Workshop Agenda
Key Bridge Marriott, Arlington, VA

Wednesday, November 12, 2008

4:00 PM - 7:00 PM Attendee Registration (Early Arrivals)

4:00 PM - 7:00 PM Poster Registration (Early Arrivals)

Thursday, November 13, 2008

7:30 AM - 8:30 AM Morning Refreshments (Meeting starts at 8:00 am)

7:30 AM - 10:00 AM Poster & Attendee Registration

8:00 AM - 8:55 AM Opening General Session

Welcome & Meeting Overview

Dave Ucko, Education and Human Resources Directorate, National Science Foundation

Overview of Nanoscale Science & Engineering Effort

Mike Roco, Senior Advisor for Nanotechnology, Directorate for Engineering, National Science Foundation

Vision on Global NSEE

R.P.H. Chang, Northwestern University

8:55 AM - 9:00 AM **Logistics Overview:** Guardians of Honor, LLC

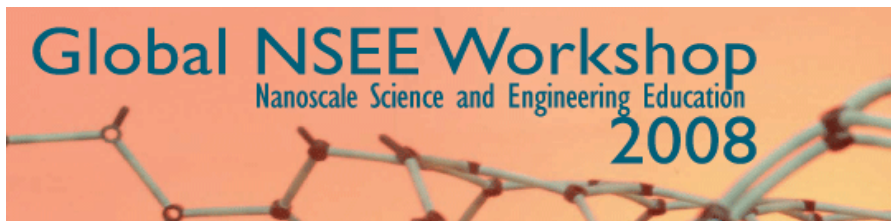
9:00 AM - 9:45 AM **Plenary Presentation:** Harry Kroto (Nobel Laureate, 1996), Florida State University and University of Sussex

9:45 AM - 10:45 AM **Poster Session I: Perspectives on Cutting-edge Nano Research & Concepts**
& Break

10:45 AM - 11:45 AM **Panel I: Cutting-edge Nano Research & Concepts** (Moderator, Robert Westervelt)
Presentations, plus Q & A Session
James Hone, Columbia University (Graphene Research)
Teri Odom, Northwestern University (Nanopatterning Research)

11:45 PM - 12:45 PM Lunch & Networking

12:45 PM - 2:00 PM **Panel II: International Perspectives on Formal & Informal NSEE Programs**
(Moderator, Larry Bell) *Q&A Sessions with the following panelists:*
Luis Fuentes, Advanced Materials Research Center, Mexico
Tadashi Itoh, Osaka University, Japan
Martin Schubert, Competence Center cc-NanoChem e. V., Germany
Sebastian Lourdudoss, Royal Institute of Technology, Sweden



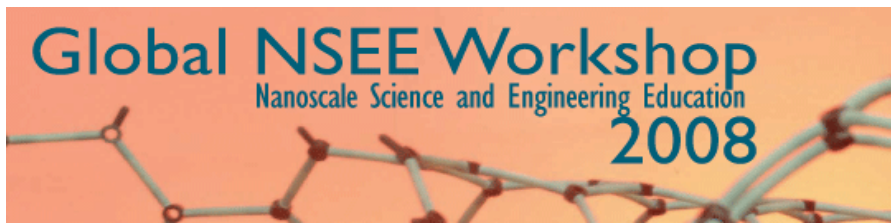
The logo for NCLT (National Center for Learning Technology) consists of the letters "NCLT" in a bold, blue, sans-serif font.



- 2:00 PM – 3:00 PM **Poster Session II: Nano Education Research/Assessment Practices/Evaluation & Break**
- 3:00 PM - 4:00 PM **Panel III: Nano Education Research/Assessment Practices/Evaluation**
(Moderator, Greg Light) *Presentations, plus Q & A Session:*
Joe Krajcik, University of Michigan (Nano Learning Research)
Frances Lawrenz, University of Minnesota (Education Evaluation)
Christine Reich, Museum of Science, Boston (NISE Evaluation)
Jim Pellegrino, University of Illinois at Chicago (Assessment)
- 4:00 PM - 5:30 PM **Breakout Session I: Engagement of Students, Teachers and General Public –**
Groups 1-2: Nano Research & Concepts integrate at pre-college level
Groups 3-4: Nano Research & Concepts integrate at college level & above
Groups 5-6: International Perspectives – pre-college and college Programs and Projects
Groups 7-8: Informal Education & General Public Outreach
Group 9: Education Research/Assessment Practices/Evaluation – pre-college including general public
Group 10: Education Research/Assessment Practices/Evaluation – college level
- 5:30 PM - 7:00 PM Reception with Cash Bar
Opportunities for Networking & Collaboration

Friday, November 14, 2008

- 7:30 AM - 8:00 AM Morning Refreshments
- 8:00 AM - 9:00 AM General Session: International Programs in Nanoscience Education
(Moderator, Emily Weiss)
Keynote Presentations from:
Fuh-Sheng Shieu, National Chung Hsing University, Taiwan
Christophe Vieu, INSA de Toulouse & Nathalie Panissal, University of Toulouse, France
- 9:00 – 9:45 AM Report Back Session from Breakout Session I (Moderator, R.P.H. Chang)
- 9:45 – 10:00 AM Break
- 10:00 - 11:00 AM **Poster Session III: Best Practices in Curriculum/Course Development/Outreach to General Public**
- 11:00 AM - 12:00 PM **Panel IV: Best Practices in Curriculum/Course Development/Outreach to General Public**
(Moderator, Robert Semper) *Presentations, plus Q & A Session*
Linda Schadler, Rensselaer Polytechnic Institute (High School Curriculum)
John Ristvey, Mid-Content Research for Education and Learning (High & Middle School)
Micheal DeMiranda, Colorado State University (College)
Lynn Bryan, Purdue University (Teachers & Professional Development Models)
Paul Martin, Science Museum of Minnesota (Community Outreach (Nano Days) – NISE)



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- 12:00 PM – 1:00 PM Lunch & Networking
- 1:00 PM – 2:00 PM **Poster Session IV: Networking & Collaborations – NNI Networks**
- 2:00 PM -3:15 PM **Breakout Session II: Best Practices Curriculum/Course Development/Outreach to General Public & Break**
Groups 1-2: Informal Education & Community Outreach
Groups 3-4: Professional Development
Groups 5-6: Pre-College Curriculum
Groups 7-8: College Curriculum
Groups 9-10: Networking & Collaborations
- 3:15 PM - 4:00 PM Report Back from Session II & Summary of Workshop (Moderator, R.P.H. Chang)