

Advancing Nanoscience Education Dinner
AGENDA

Mandarin Gourmet Restaurant, 420 Ramona Street, Palo Alto

Monday, March 28, 2005

- 6:00 pm** **Arrive, Appetizers, Socializing**
Folders with workshop information (agenda, participants, survey answers, atlas of nanoscience topic map, etc.) will also be distributed.
- 6:30 pm** **Welcome and Dinner**
- 7:40 pm** **Short Presentations**
Short presentations on nanoscience work and/or education at the institutions that are organizing the workshop, and thoughts on questions in the pre-workshop survey.
Larry Dubois (SRI), Meyya Meyyapan (NASA), Martha Kanter (Foothill-DeAnza)
Moderator: Nora Sabelli
- 8:30 pm** **Discussion and Q&A**

Advancing Nanoscience Education Workshop
AGENDA
SRI International, I Building

Tuesday, March 29, 2005

8:30 am **Continental Breakfast at SRI**

9:00 am **Welcome and Overview**

Welcome, introductions, workshop overview, and discussion of survey responses.

Moderator: Patricia Schank

10:15 am **Break**

10:30 am **Atlas of Nanoscience Presentation**

Summary of an effort to build an “Atlas for Nanoscience” that includes a topic map for the domain, required skills and concepts, and a curriculum map from over 500 courses taught in the San Francisco Bay Area.

Robert Cormia (Foothill)

Moderator: Valerie Sermon

11:15 am **Discussion and Q&A**

12:00 noon **Lunch and Small Group Selection**

Over lunch, discuss proposed small-group topic areas, and sign up for one or two topic areas of interest to you.

Moderator: Anders Rosenquist

1:00 pm **Small Group Discussions**

Divide into small groups to identify current best practice, needs, and directions for future work, for given topic areas. Each group identifies one moderator and one recorder. Proposed group topics:

1. *Pathways* (Questions 1-3). What are ideal pathway(s) and timeline(s) by which students should be introduced to nanoscience education concepts in K-12, community college, university, and on-the-job training?
2. *Concepts* (Questions 4-6). What are the foundational concepts from nanoscience and key examples that illustrate them?
3. *Hands-On Experience* (Questions 7-9). What is the role of lab experiences and simulation, what are good examples, and how can we best deliver them to students?
4. *Careers* (Question 10). What are some possible career paths, are there nanotech jobs or just nano-skilled workers, what are industry needs?

3:00 pm	Break
3:15 pm	Jigsaw – Small Group Discussions Participants shift to another group, except each group moderator and recorder stays in original group for continuity.
5:00	Small Groups Present Progress, Report Plan (5 minutes per group) Chair and moderator of each breakout group report on any major problems or needs (e.g., missing information) identified in their groups, as well as their plans for reporting out tomorrow. <i>Moderator: Adolfo Nemirovsky</i>
5:30	Dinner on Your Own Recommendations will be provided.

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Wednesday, March 30, 2005

8:30 am	Continental Breakfast at SRI
9:00 am	Groups Finalize Presentations Finalize slides, on the order of 5-10 per group, for presentation.
10:00 am	Groups Report Out (15 minutes per group) Guests from industry will join the workshop at 10 am to hear group reports. This session may be video-taped. <i>Moderator: Patricia Schank</i>
11:30 am	Industry Feedback Guests from industry provide feedback and recommendations based on group reports. <i>Moderator: Adolfo Nemirovsky</i>
12:00 noon	Reflection and Next Steps <i>Moderator: Nora Sabelli</i>
12:30 pm	Lunch and Workshop Evaluation Complete the short workshop evaluation, and lunch and informal discussion with industry guests.
1:30 pm	Report Writing For workshop staff only, and anyone who wants to stay.