

National Science Foundation Societal Implications of Nanotechnology 2007 Principal Investigators' Meeting

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Panel on Future Research Priorities

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The Center for
Nanotechnology in Society
ARIZONA STATE UNIVERSITY

Networks

Network expanding --
not just two Centers
and two teams

Nano-in-Society Network

- 4 PIs monthly teleconference
 - ◆ *Can't organize monthly teleconference among this group*
- PIs' meeting
 - ◆ *Doesn't easily create horizontal linkages among the rest of the actual researchers*
- Cross-cutting research workshops?
 - ◆ Topical as per this agenda
- Ad hoc working groups?
 - ◆ Topical or (sub)disciplinary
- *2008 (August, Big Sky) GRC in Science and Technology Policy: Governing Emerging Technologies*



Networks

**But not just nano-in-
society**

NISE Net

- Public Engagement/Outreach
- Visualization and Representation
- N-i-S concepts in NISE Activities
 - ◆ *Workshop proposal forthcoming*

NSEC Network

- Fulfilling Intent of Legislation
- Embracing Potentially Marginalized SEIN Researchers
- Broadening Engagement with NSE Researchers
 - ◆ *Several represented here, but others?*



Research

Topics

Cross-cutting Topics

- Political & Social Aspects of Novelty
 - ◆ SEI issues?
 - ◆ FDA vs. USPTO
- Identity and Community Formation in NSE
 - ◆ Role of institutions (disciplines, universities, etc.)
 - ◆ Role of instrumentation
 - ◆ Role of politics/policy/\$\$
 - ◆ Role of risk/benefit perception, novelty
- Facticity/Plausibility/Fantasy in NSE Decision-making
 - ◆ R&D and Risk management
 - ◆ Public engagement
 - ◆ NSE researchers' choices/motivations
- Synthetic Work for Disciplines
- Reflexive Attention to Our Own Role



A vertical strip on the left side of the slide features a blue-tinted microscopic image of a textured sphere, possibly a nanoparticle or a biological cell. The sphere has a granular surface and is set against a blurred background of similar structures.

Research

Topics

Military



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A vertical stack of three microscopic images showing a textured, spherical surface. The top image is a blurred, light-colored sphere. The middle image shows a more defined, blue-tinted sphere with a textured surface. The bottom image is a close-up of a similar textured sphere.

Research

Styles

Styles

- Many Disciplines and Methods Represented
- Many Scales Represented
- *But “ensemble”-ization of this work is crucial for long-term value*



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