

Societal and Ethical Implications Activities in the NNCI

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SEI at the NNCI

Nanotechnology holds great promise but the introduction of any new technology can have significant societal and ethical consequences.

The NNCI believes it is important to think about the impacts of nanotechnologies as we conceive them, develop them, and implement them.

What do SEI scholars do?

- Help Labs reflect on the implications of their work
- Run education and engagement programs with scientists and engineers
- Bring scientists and the public together
- Develop and run expert scenarios
- Gather public input into policymaking

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NNCI sites with SEI activities



Montana State



David Mogk and colleagues at Montana State and Carleton College are working to develop a series of case studies related to nanoscience to be embedded in a variety of STEM curricula.



University of Washington



Daniel Ratner and his colleagues at Washington and Oregon State University are engaged in a number of outreach and workforce development efforts that overlap with SEI.



UC San Diego



Michael Kalichman runs the Research Ethics Program and the Center for Ethics in Science and Technology. He will be running a forum at the Fleet Science Center on nanotechnology ethics that will be subsequently available through UCSD-TV.



University of Texas

LeeAnn Kahlor will be focusing on finding ways to integrate SEI into the workplace. She will be conducting qualitative and quantitative research on :

- 1) scientists seeking info on SEI;
- 2) perceived barriers to integrating SEI into the workplace; and
- 3) how organizations may work against such integration



Georgia Tech

Jan Youtie is developing nanotechnology publication and patent databases and an SEI component for NSF's I-Corps program



NC State

David Berube leads a variety of programs across the research triangle including: 1) education, training and outreach; 2) comprehensive resources for society including Public Alerts, a clearinghouse of videos, and the Nano Hype Blog; 3) virtual reality tours of nano labs; and 4) research on organizational team science



Nano Hype



SEI User Facility

A one stop shop for scholars to gain skills in how to study the social and ethical implications of nanotechnology and other emerging technologies.



Science Outside the Lab

A one week science policy bootcamp for graduate student scientists and engineers



Next session:
June 4-10, 2017



Winter School on Responsible Innovation and Social Studies of Emerging Technologies



January 3-10, 2017
at Saguaro Lake Ranch

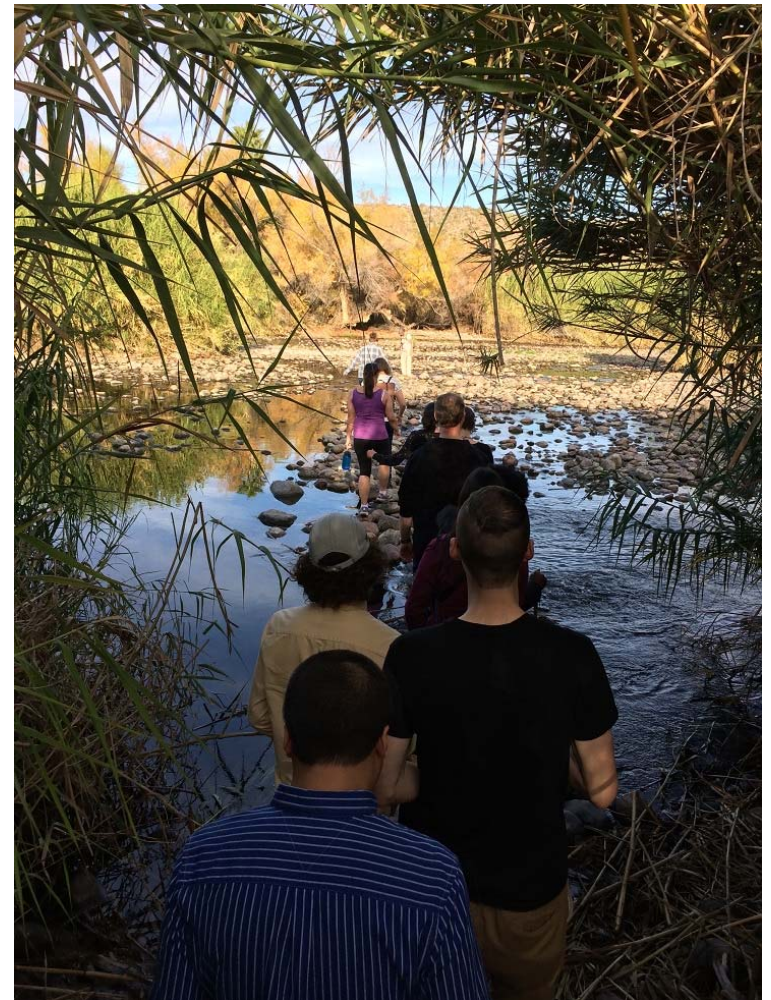
Training the next generation of social scientists in how to study emerging technologies



January 3-10, 2017 Winter School

“This was one of the most informative training sessions I’ve ever been to. The intellectual diversity is astounding and helps you to think about what you want to research.”

“I just defended my prospectus and was unmotivated... now I realize others care about it as well. I’m reinvigorated!”



What can we do Network-wide?

- Help recruit for the Winter School and Science Outside the Lab programs
- Assist in jump starting new SEI programs and events
- SEI coordinator meeting could turn into a subcommittee or working group
- Join us from 10:25-11:25am at tomorrow's breakout session 2 to share your ideas