

Nanoinformatics 2010 (CMMI-053117)

A Collaborative Roadmapping Workshop
November 3–5, 2010
Arlington, VA

2.5 days

72 participants

Cooperatively organized,
initiated and led by the NNN

- Data Collection and Curation
- Tools for Innovation, Analysis, and Simulation
- Data Accessibility and Information Sharing

- Cross-cutting Issues
- Pilot Projects
- Nanoinformatics 2010 Roadmap



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A Collaborative Roadmapping Workshop

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NANOTECHNOLOGY INNOVATION SUMMIT

Nanoinformatics 2010
A Collaborative Roadmapping Workshop

- **Participants: Workshop Materials (login required)**

Nanoinformatics 2010 is a collaborative roadmapping and workshop project at which informatics experts, nanotechnology researchers, and other stakeholders and potential contributors will jointly develop a roadmap for the area of nanoinformatics.

Nanoinformatics 2010 is designed to survey the landscape, generate a roadmap, and stimulate collaborative activities in the area of nanoinformatics. By doing so, it will accelerate the responsible development and use of nanotechnology. Workshop themes include:

- *Data Collection and Curation*
- *Tools for Innovation, Analysis, and Simulation*
- *Data Accessibility and Information Sharing*

Nanoinformatics involves the development of effective mechanisms for collecting, sharing, visualizing, modeling and analyzing information relevant to the nanoscale science and engineering community. It also involves the utilization of information and communication technologies that help to launch and support efficient communities of practice. Nanoinformatics is necessary for comparative characterization of nanomaterials, for design and use of nanodevices and nanosystems, for instrumentation development and manufacturing processes. Nanoinformatics also fosters efficient scientific discovery and learning through data mining and machine learning techniques.

Nanoinformatics 2010 is open to all members of the nanoinformatics community and will be organized and governed by that community. Contact the program committee to get involved.

Thank you to all of our speakers!

- George Adams, Network for Computational Nanotechnology
- Andrei Iel, UCLA
- Mihail C. Roco, NSF
- Sylvia Spengler, NSF
- Vincent Caprio, Nanobusiness Alliance
- Sharon Gaheen, SAIC
- Stacey Harper, Oregon State University
- Gretchen Bruce, Intertox
- Aaron Small, Luna Innovations
- Yoram Cohen, UCLA
- Nathan Baker, Pacific Northwest National Laboratory
- Raul Cachau, SAIC-Frederick
- Rong Liu, UCLA
- Kate Keahey, Argonne National Laboratory
- Daniel Crawl, UCSD
- Paul Schulte, NIOSH
- Carol Hamilton, RTI
- Jean-Claude Bradley, Drexel University
- Sumit Gangwal, EPA
- Victor Maojo, ACTION Grid
- Mills Davis, ProjectIDx
- Michael McLennan, Purdue University
- Krishna Rajan, Iowa State University
- Vicki Colvin, Rice University
- Mark Hoover, NIOSH
- Chuck Geraci, NIOSH

Nanoinformatics Roadmap -- public dissemination 3/2011