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Venue

Egan Research Center
Northeastern University, Boston

NSF Workshop on Sensing and Prognostics for Scalability of Nanomanufacturing

**Northeastern University, Boston
November 2-4, 2009**

While the current body of nanomanufacturing research is focused on science and engineering of the nano processes, there is an urgent need to examine scale-up issues in order to reap the benefits of the recent advances in nanotechnology.

This NSF sponsored workshop brings together researchers from academia, industry, national labs, and government to address the sensing, quality, and reliability issues encountered in scaling up lab-based nano processes to high-volume high-rate nano-manufacturing. The workshop has four main objectives:

- Examine the landscape of nanomanufacturing from a systems perspective
- Identify the sensing, quality and reliability research needs in nanomanufacturing
- Draft a roadmap for future research directions in sensing, quality, and reliability in nano-manufacturing
- Disseminate widely the findings of this workshop among the academia, government, national research labs, and industry