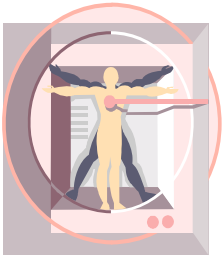
NJIT



Biomedical Engineering Department Seminar

Friday, March 2, 2007

Location: Cullimore Hall, Lecture Hall 3

Time: 12:00 - 1:00 PM

Funding Opportunities at NSF

Semahat Demir, Ph.D.
Program Director, Biomedical Engineering
National Science Foundation, Arlington, VA, USA

Dr. Demir will present (1) the vision, mission, and overview of NSF, (2) NSF's current priority areas, (3) a summary of different NSF Funding Opportunities for engineering, (4) the interagency programs that NSF participates and (5) the NSF Merit Review Criteria.

Biographical information:

Dr. Demir has 17 years experience in academic research, 10 years experience in teaching in academia, 2 years experience in medical industry and 2.5 years experience in research funding administration in the US federal government.

Dr. Demir is the Program Director for Biomedical Engineering at NSF. She participates in 6 other NSF Programs: Collaborative Research in Computational Neuroscience (CRCNS), Integrative Graduate Education and Research Traineeship (IGERT), Dynamic Data Driven Application Systems (DDDAS), Nanoscale Science and Engineering for Nanoscale Explanatory Research (NER) "Multi-scale, Multi-phenomena Theory, Modeling and Simulation at the Nanoscale", Active Nanostructures and Nanosystems, Nanoscale Interdisciplinary Research Teams (NIRT) on Nanoscale Devices and System Architecture and NIH/NSF solicitation for Bioengineering Approaches to Energy Balance and Obesity. She has been the solicitation coordinator for the Interagency Opportunities in Multi-Scale Modeling in Biomedical, Biological, and Behavioral Systems for NSF, NIH, NASA and DOE. She initiated and sponsored an international benchmarking study called "Brain Computer Interface". She was a sponsoring program director for the Systems Biology Study and Simulation-based Science Engineering Study. She is an NSF representative on the National Science and Technology Council (NSTC) Subcommittee on Biometrics. She represents NSF Engineering Directorate in the NSF Cyberinfrastructure Learning and Workforce Development Team and NSF Neuroscience and Cognition Initiative. She has been a Science Officer on the NIH Roadmap National Center for Biomedical Computing "Physics-based Simulation of Biological Structures" at Stanford University. Dr. Demir received **Program Officer Excellence Award** and **Director's Award for Collaborative Integration** at NSF (2006).

Refreshments will be served.