2009 NSF CAREER Proposal Writing Workshop
March 12 and 13, 2009, George Mason University, Arlington, VA

Objectives
This workshop is to provide assistant professors who intend to submit NSF CAREER proposals with exposure to the proposal review process, an opportunity to meet with and get advice from NSF past and current program directors, and a learning experience from recent CAREER awardees.

Workshop Sponsors
Sponsored by the following NSF programs in the Civil, Mechanical and Manufacturing Innovation (CMMI) Division:
- Civil Infrastructure Systems (Dennis Wenger)
- Control Systems (Suhada Jayasuriya)
- Dynamical Systems (Eduardo A. Misawa)
- Hazard Mitigation and Structural Engineering (M. P. Singh)
- Geomechanics & Geomaterials (Richard J. Fragaszy)
- Geotechnical Engineering (Richard J. Fragaszy)
- Manufacturing and Construction Machines and Equipment (George Hazelrigg)
- Materials Processing and Manufacturing (Joycelyn Harrison)
- Mechanics of Materials (Ken Chong)
- Nano/Bio Mechanics (Demitris A. Kouris)
- Nanomanufacturing (Shaochen Chen)
- Structural Materials and Mechanics (Lawrence C. Bank)

Current NSF Program Directors from CMMI and other Divisions at the Workshop
Christina Bloebaum, Engineering Design and Innovation
Ken Chong, Mechanics of Materials
Clark Cooper, Materials and Surface Engineering
Joycelyn Harrision, Materials Processing and Manufacturing
George Hazelrigg, Manufacturing and Construction Machines and Equipment
Suhada Jayasuriya, Control Systems
Cerry Klein, Service Enterprise Systems, Manufacturing Enterprise Systems
Demitris Kouris, Nano/Bio Mechanics
Zongzhu Lin, Algebra, Number Theory and Combinatorics (Directorate for Mathematical & Physical Sciences)
William Schultz, Fluid Dynamics (Division of Chemical, Bioengineering, Environmental, and Transport Systems)
M.P. Singh, Hazard Mitigation and Structural Engineering
Rose Wesson, Chemical and Biological Separations (Division of Chemical, Bioengineering, Environmental, and Transport Systems)

Current NSF CMMI staff at the Workshop
Veronica T. Calvo, Program Specialist
Matthew T. Carnavos, Science Assistant
Former NSF CMMI Program Directors at the Workshop
Jian Cao, Northwestern University
Rajurkar Kamlakar, University of Nebraska at Lincoln
Stephen Nash, George Mason University
Mary Lynn Realff, Georgia Institute of Technology
Judy Vance, Iowa State University

Speakers
Ilona Kretzschmar, City College of New York, 2007 CAREER awardee
Brigid Mullany, University of North Carolina at Charlotte, 2008 CAREER awardee

Workshop Organizers
Stephen Nash, George Mason University
Z.J. Pei, Kansas State University
Ariela Sofer, George Mason University

Workshop Host Institutions
George Mason University
Kansas State University

Student helpers from GMU
Ben W. Crain
Sameer Kulkarni
Amrutha Patrikar
Workshop Agenda

Activities on both days will start in Room ARL 329 in the Original Building (http://eagle.gmu.edu/map/arlington.php?building=original) at George Mason University (Arlington Campus), Arlington, VA.

Day 1 (Thursday, March 12, 2009)

7:30-8:30  Continental Breakfast
8:30-10:30 George Hazelrigg (NSF Program director) presents NSF CAREER proposal Guidelines; Questions and Answers
10:30-11:00 Break
11:00-12:00 George Hazelrigg continue presentation; Questions and Answers
12:00-13:00 Working lunch. Participants have interactions with NSF program directors, recent CAREER awardees, and other participants, asking more questions, sharing what they have learned, etc.
13:00-13:15 Hazelrigg describes procedures for a typical CAREER proposal panel meeting
13:15-13:30 Panel preparations, conflict briefing
13:30-15:00 Mock panels
   Review proposals and put each proposal in one of the three categories: PC (primary consideration), SC (secondary consideration), and DNC (do not consider)
15:00-15:15 Break
15:15-16:15 Mock panels continue
   15:15-15:35 rank the proposals in PC and SC categories
   15:35-16:15 write panel summary for each proposal
16:15-16:30 Break
16:30-16:45 Panels report their rankings on the proposals in PC and SC categories
16:45-18:00 Two recent CAREER awardees present their stories and share their experiences; and Questions and Answers
18:00-19:00 No-host dinner. Participants have more interactions among themselves
19:00-21:00 Homework assignment -- attendees rewrite their proposal summaries based on what they have learned during the day

Day 2 (Friday, March 13, 2009)

7:30-8:30  Continental breakfast
8:30-10:30 Mock panels (to review modified project summaries from the participants)
   8:30-10:00  review project summaries and put project summary in one of the three categories: PC (primary consideration), SC (secondary consideration), and DNC (do not consider)
   10:00-10:20  rank the project summaries in PC and SC categories
   10:20-10:30  write panel summary for each project summary
10:30-11:00  Break
11:00-11:30  Mock panels continue
11:30-12:00  Wrap-up; Questions and Answers
12:00-13:00  Working lunch. Participants have interactions with NSF program directors, recent CAREER awardees, and other participants, asking more questions, sharing what they have learned, etc.
13:00-15:00  One-on-one meeting with NSF program directors
13:00        Adjourn