

Department of Mechanical and Aerospace Engineering Seminar
University of Virginia, Charlottesville, Virginia

Opportunities in Thermal Transport Processes Research at NSF

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National Science Foundation

Time: Thursday, February 7, 2008, 4PM

Place: MEC 341, Mechanical Engineering Building

Refreshments at 3:30PM in MAE Faculty Lounge, MEC 305

Abstract:

Thermal transport processes continue to be an exciting and evolving area of research, motivated in large part by critical national needs in energy, the environment, health care, and security. This presentation will discuss the *Thermal Transport Processes* program at NSF, part of the *Chemical, Bioengineering, Environmental, and Transport Systems (CBET) Division*. Priority areas for the Engineering Directorate and the CBET Division will be described. New NSF initiatives of potential interest to the thermal transport community, and the oft-misunderstood “broader impacts” criterion, will be explained. Funding opportunities for both faculty and graduate students will be discussed.

Biography:

Pat Phelan received his BS from Tulane University (1985), his MS from MIT (1987), and his PhD from UC Berkeley (1990), all in mechanical engineering. He was supported as a Japan Society for the Promotion of Science Post-Doctoral Fellow at the Tokyo Institute of Technology from 1990 – 1992, after which he joined the University of Hawaii as an Assistant Professor. In 1996 he moved to the Mechanical & Aerospace Engineering Department at Arizona State University (ASU). He has been serving as the Program Director for Thermal Transport Processes at the National Science Foundation since September 2006.