



BCST

BOARD ON CHEMICAL SCIENCES & TECHNOLOGY

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New Study: Review of DOE Catalysis Program

The Board of Chemical Sciences and Technology is pleased to announce a new activity, Review of the DOE-BES Catalysis Research Activities and their Impact. The purpose of this project is to 1) examine the BES research portfolio in catalysis and identify whether and how this portfolio has advanced fundamental science in this area and 2) discuss how the BES research portfolio in catalysis contributes and is likely to contribute to immediate and long-term national energy goals, such as reducing the Nation's dependence on foreign sources of energy. We anticipate that the committee's work will take approximately 15 months.

For further information, please contact [Tina Masciangioli](#).

Applications Being Accepted for Christine Mirzayan Fellowship Program

Graduate students and postdoctoral scholars and those who have completed graduate studies or postdoctoral research within the last 5 years are eligible to apply. Candidates should [submit an application](#) and request that a mentor/adviser fill out a reference form.

The deadline for receipt of application material is November 1 for the winter program, March 1 for the summer program, and June 1 for the fall program. Candidates may apply to all three programs concurrently.

Additional details about the program and a link to join the mailing list are available on the [web site](#). Questions? Please email policyfellows@nas.edu.

Christine Mirzayan Fellow

BCST would like to welcome Boonchai Boonyaratanakornkit as the fall 2007 Christine Mirzayan Fellow. Boonchai graduated from the University of California, Berkeley with a PhD in Chemical Engineering in June 2006. His doctoral research focused on the cultivation of extremophiles from deep-sea hydrothermal vents and the elucidation of genes that allow for survival in such extreme environments. He recently worked as a post-doctoral fellow at Lawrence Berkeley National Lab and explored enzymatic and electrochemical means to convert carbon dioxide into dense, carbon-neutral liquid fuels. During his time at BCST, he hopes to apply and expand his speaking and writing skills in order to pursue possible careers in the development of science and technology policy, writing about science and technology, and patent law. He could also be persuaded to delve back into research or process engineering positions in the biofuels and biotechnology industries.

Update to Prudent Practices

The BCST is excited about updating the 1995 published report entitled, *Prudent Practices in the Laboratory: Handling and Disposal of Chemicals*. This report updated two earlier volumes on safe laboratory use of chemicals, and became the de facto bible for chemical safety professionals. While the 1995 volume has served the community well, feedback from users confirms that it is time to update this volume to reflect new technologies, practices, and changes in regulation that have occurred since the previous publication. Partial funding for this project has been secured from the National Science Foundation, with future government funding expected to follow. Additionally, The BCST would like to thank the American Chemical Society for their recent contribution to this effort.

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