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Tackling Our Energy Challenges in a New Era of Science

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In this presentation, Dr. Kung will give an overview of the BES program, which supports basic research in materials sciences, chemistry, geosciences, and biosciences, as well as the construction and operation of nearly two dozen major scientific user facilities, including the nation's large synchrotron radiation-light sources, neutron-scattering facilities, electron beam microscopy centers, and nanoscale science research centers. In February 2008, BES announces the initiation of Energy Frontier Research Centers (EFRCs) to accelerate the rate of scientific breakthroughs needed to create advanced energy technologies for the 21st century. The EFRCs will pursue the fundamental understanding necessary to meet the global need for abundant, clean, and economical energy. It is anticipated that approximately \$100 million will be available for multiple EFRC awards in FY 2009. Information about the EFRCs and funding opportunities for single PI and small group awards will be discussed in the presentation. For additional information, visit the BES Web page at: <http://www.sc.doe.gov/bes/bes.html>.