

Carnegie Mellon

Materials Science and Engineering Seminar Series

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“Polymer-based Materials Research”

Friday, October 1, 2010
10AM Seminar in Baker Hall 136A

During the past decade, the Department of Energy’s (DOE) Office of Basic Energy Sciences (BES) has engaged the scientific community to establish a basic research strategy to help chart a course for a secure and clean energy future through sponsoring a series of workshops that included ten “Basic Research Needs” (BRN) workshops on energy related topics. The BRN reports identified several program research directions in which polymer-based materials play significant roles. Towards addressing the BES energy mission, the Materials Sciences and Engineering Division (MSED) supports fundamental experimental and theoretical research to grow the knowledge base for the discovery and design of new materials for energy-related applications, MSED supports a broad portfolio of science focused on polymer-based materials. This presentation will include an overview of the MSED research programs emphasizing highlights from the current portfolio and program directions for fundamental polymer research. Additional information can be found at the BES website: <http://www.science.doe.gov/bes/bes.html> .