

# ENERGY SCIENCES COALITION

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In Conjunction with the  
*House Research and Development Caucus*

Presents

## **Basic Research with a Purpose: How DOE Science Helps U.S. Industry Compete**

A Congressional Luncheon Briefing

**October 7, 2010**

**12:00 – 1:30 PM**

**2168 Rayburn (Gold Room)**

Featuring:

**Rep. Rush Holt and Rep. Judy Biggert**

Co-chairs  
House Research and Development Caucus

**Dr. Bryan J. Rice**

Director of Lithography, SEMATECH  
Intel Corporation

**Dr. James Stevens**

Corporate Fellow, Core Research and Development  
The Dow Chemical Company

**Dr. Kathryn Clay**

Director of Research  
Alliance of Automobile Manufacturers

**John Palafoutas**

National Inventors Hall of Fame

Some have defined “basic research” as research performed without regard to practical applications. That may be true, but the reality is that basic research can be, and often is, practically applied. Indeed, agencies like the Department of Energy (DOE) Office of Science support basic research and the operation of unique scientific facilities that contribute to the development and commercialization of new technologies and processes that are critical to the competitiveness of American industry. At this briefing, Dr. Bryan Rice will discuss how America’s semiconductor industry remains globally competitive by working with the DOE Office of Science on ways to shrink the size of computer chips. Dr. Kathryn Clay will discuss how partnerships with universities and national laboratories supported by the DOE Office of Science have driven innovation in the U.S. auto industry, making today’s automobiles the most technologically sophisticated products consumers have ever had a chance to buy. Finally, Dr. James Stevens will discuss how basic research sponsored by the DOE Office of Science and conducted at universities contributed to technology-driven innovation in the chemical industry that resulted in whole new lines of plastic products. Come learn how the DOE Office of Science supports basic research with a purpose.

**To RSVP, please click [here](#) or e-mail [RSVP@aau.edu](mailto:RSVP@aau.edu)**  
*(please RSVP by noon on Wednesday, October 6, 2010)*

*The Energy Sciences Coalition (ESC) is a broad based coalition of organizations representing scientists, engineers and mathematicians in universities, industry and national laboratories who are committed to supporting and advancing the scientific research programs of the U.S. Department of Energy (DOE), and in particular, the DOE Office of Science.*