



**Session II in AEIC's "Partners in Ingenuity Series":
From Science to Marketplace; the Federal Role in Innovation**

Liaison Hotel
415 New Jersey Ave NW
Washington, D.C. 20001

AGENDA

February 3, 2016
8:30 a.m. – 12:00 p.m.

8:30 - 9:00 a.m. **Breakfast**

9:00 - 9:15 a.m. **Opening Remarks**

Representative Randy Hultgren (R-IL)

Introduction: Jason Grumet, President, Bipartisan Policy Center

9:15 - 10:10 a.m. **Panel I: Economics of Innovation**

The availability of clean, affordable and reliable energy underpins virtually every corner of the U.S. economy. From providing fuels to transport goods to the electricity that enables every business in the country to literally keep the lights on, energy impacts the livelihood of every American.

Public private partnerships have been critical to the success of entrepreneurs in the energy sector. The Eastern Gas Shales Project laid the foundation for the shale revolution. The partnership between DOE and the US Advanced Battery Consortium has reduced the cost of plug in electric vehicle batteries by 70% and doubled their energy density during the past 5 years. These examples of smart federal investments across the innovation ecosystem have generated enormous economic benefits for both businesses and consumers while strengthening the U.S. economy. Yet we are in danger of ceding the very R&D advantages that have served as the foundation of American prosperity.

This panel will highlight the impacts of investments in energy innovation on the U.S. economy as well as the efforts of other nations to seize critical market share in perhaps the most pervasive technology sector in the world.

Moderator: David M. Hart, Director of the Center for Science and Technology Policy at George Mason's School of Policy, Government, and International Affairs

Panelists:

- Carrie Houtman, Senior Public Policy Manager, The Dow Chemical Company
- Erik Birkerts, Chief Executive Officer of the Clean Energy Trust
- Steve LeVine, Washington Correspondent for Quartz and author of *The Powerhouse: Inside the Invention of a Battery to Save the World*

10:10-10:20 a.m. **Break**

10:20-11:00 a.m. **Moderated Discussion**

David Garman hosts Phil Giudice, CEO of Ambri

11:00-12:00 p.m. **Panel II: Innovation Collaboratives**

The Department of Energy's National Labs have long been a source of pride in the U.S., having developed the first commercial nuclear reactors, dramatically increased the efficiency of wind turbines and made countless other discoveries that have served as a foundation for American security, environmental progress and economic prosperity. Yet as our energy systems evolve, new institutions and collaborative models are emerging to address commercialization challenges and other gaps in the innovation ecosystem.

This panel discussion will highlight how new collaborative institutional models are helping to align public and private sector priorities while leveraging greater impact from the traditional organizational ecosystem.

Moderator: Bryan Hannegan, Associate Lab Director, Energy Systems Integration Lab, National Renewable Energy Laboratory (NREL)

Panelists:

- Dr. Ellen Williams, Director, Advanced Research Projects Agency – Energy (ARPA-E)
- Ilan Gur, Founding Director, Cyclotron Road
- John Wall, Chief Technical Officer, Cummins (Ret.)
- David Danielson, Assistant Secretary for Energy Efficiency and Renewable Energy at the Department of Energy