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# GUIRR UPDATE

Meeting of the Federal Demonstration Partnership (FDP)

**Susan Sloan**  
Director, GUIRR  
January 11, 2016



Government | University | Industry

RESEARCH ROUNDTABLE

Policy and Global Affairs Division

# Government-University-Industry Research Roundtable

- Convening body of the National Academies of Sciences, Engineering, and Medicine
- Created in 1984 “to convene senior-most representatives from government, university, and industry to define and explore critical issues related to the national and global science and technology agenda”
- Roundtable convenes 3 times yearly in Washington, DC
- Meetings designed around topics that are often newly emerging at the leadership level in one sector but impact/involve/affect other sectors

GOVERNMENT-UNIVERSITY-INDUSTRY RESEARCH ROUNDTABLE

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# Executive Committee

- **Jacques Gansler**, former U.S. Under Secretary of Defense for Acquisition, Technology and Logistics; Professor Emeritus, Roger C. Lipitz Chair in Public Policy and Private Enterprise, University of Maryland [UNIVERSITY CO-CHAIR]
- **Gordon England**, former U.S. Deputy Secretary of Defense and (twice) Secretary of the Navy; Chairman, V1 Analytical Solutions, Inc. [INDUSTRY CO-CHAIR]
- **C. D. (Dan) Mote, Jr.**, President, National Academy of Engineering
- **France Córdova**, Director, National Science Foundation (NSF)
- **Catherine Woteki**, Under Secretary for Research, Education, and Economics and Chief Scientist, U.S. Department of Agriculture (USDA)
- **Christopher Austin**, Director, National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH)
- **Erik Antonsson**, Corporate Director of Technology, Northrop Grumman
- **Susan Sloan**, Director, GUIRR

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# June 2015 Meeting

## Unmanned Aircraft Systems: Use & Regulation

With this meeting we considered the use and regulation of *civil* unmanned aircraft systems (UAS) and whether our current airspace management system is prepared for UAS and other autonomous aircraft.

In particular, we explored:

- (1) The potential applications for recent technological advances in UAS,
- (2) The existing and evolving regulations to promote safety without inhibiting innovation or economic advancement, and
- (3) The privacy and security concerns that are unique to UAS

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# October 2015 Meeting

## The Disruption Myth and Gaps in the Innovation Ecosystem

This meeting explored:

- (1) What disruptive innovation and disruptive innovators look like today
- (2) How patterns of disruption and business dynamism are changing in a modern world
- (3) How the study of disruption can affect the structure of innovation ecosystems, and
- (4) How disruption can inform national science and technology policy in the present and the future

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# October Pre-Meeting Workshop

## Angel Investing: Helping Innovators Bridge the Valley of Death

- Organized with the Angel Capital Association (ACA)
- Keynote: *“Angel Investing Overview: Our ecosystem and working with research-based start-ups”*
- Angel Panel Discussion
  - Portland Seed Fund
  - Blu Venture Investors
  - NextGen Angels
- Case Study: Investing in a Cure for Lupus

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# Next Meeting: February 23-24, 2016

## **Critical Infrastructure Security: The Role of Public-Private Partnerships**

This meeting will explore:

- (1) The state of critical infrastructure security in the United States and identified R&D priorities
- (2) Methods of modeling and assessing vulnerabilities in critical infrastructure security to prevent breaches or minimize cascading effects
- (3) How communication across sectors and public-private partnerships can enhance critical infrastructure security, and
- (4) How pending legislation impacts physical and cyber infrastructure security

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# GUIRR Monthly Webinar Series

- December 9, 2015  
**What Economics and Policy Can Learn from Engineering Design**
- November 18, 2015  
**Women in STEM Education and Careers**
- October 22, 2015  
**DARPA's Tactical Technology Office**
- September 15, 2015  
**Tech-to-Market Best Practices at ARPA-E**

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# Upcoming Webinars

FREE \* ONLINE REGISTRATION REQUIRED \* 1 pm ET/10 am PT

January 19, 2016

## **Manufacturing and Innovation: Making Value for America**

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February 29, 2016

## **R&D Budget and Policy Update**

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# T-Summit 2016

***Transformational Approaches to Creating T-Shaped Professionals***

March 21-22, 2016

\* Early registration open through January 31, 2016 \*

National Academy of Sciences Building

<http://tsummit.org>

*GUIRR, UIDP, IBM, Michigan State University, Virginia Tech*

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# Questions?

*Thank you. Enjoy the meeting!*

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