

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

GUIRR UPDATE

Meeting of the Federal Demonstration Partnership (FDP)

Susan Sloan
Director, GUIRR
January 24, 2019



Government | University | Industry
RESEARCH ROUNDTABLE
Policy and Global Affairs Division

GUIRR serves as secretariat for the FDP within the National Academies

- Facilitates FDP's use of National Academies operational resources and staff
- Submits and processes federal proposals in support of the FDP
- Creates mechanisms to bring forward FDP discussions into GUIRR, and GUIRR discussion into FDP

GOVERNMENT-UNIVERSITY-INDUSTRY RESEARCH ROUNDTABLE

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ABOUT GUIRR

GUIRR brings together the senior-most representatives from three sectors – government, universities, and industry – to define and explore critical cross-cutting issues related to science, technology, and innovation on both the national and global scale.

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University Co-Chair:

Laurie Leshin, President, Worcester Polytechnic Institute

Industry Co-Chair:

Alfred Grasso, Trustee, Immediate Past President and CEO, MITRE Corporation

Executive Committee:

Laurie Leshin and Al Grasso, plus:

- C. D. (Dan) Mote, Jr., President, National Academy of Engineering;
- France Córdova, Director, National Science Foundation;
- Christopher Austin, Director, National Center for Advancing Translational Sciences, NIH;
- Dana (Keoki) Jackson, Chief Technology Officer, Lockheed Martin;
- Stephen Cross, Research Professor, Georgia Institute of Technology;
- Susan Sloan, Director, GUIRR

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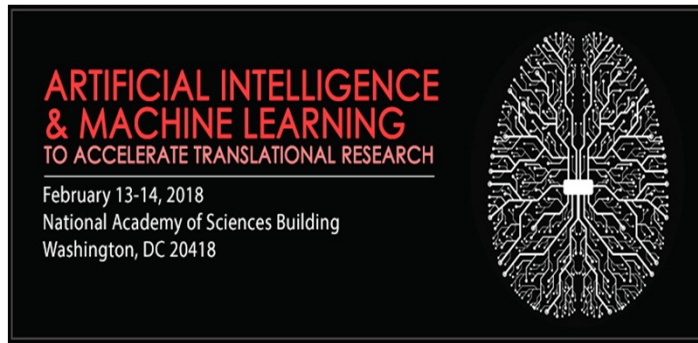
Membership

- Council Members and Associates (individuals)
- University-Industry Partners (institutions)
 - 19 paired U-I Partners (38 institutions), plus:
 - 9 universities currently identifying an industry partner

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Meetings in 2018



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First Meeting of 2019



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We will consider:

- What emerging technologies are complicating the ability to verify authenticity and integrity in a digital world?
- What emerging technologies enable the creation of systems of trust that enforce standards of authenticity, integrity, and security?
- How can partnerships between government, universities, and companies shape public policy to prioritize authenticity and integrity within systems, and who will be the stewards and custodians of such systems?

This workshop will explore these questions and broadly examine the state of research and commercial applications of **deep neural networks**, **distributed ledger technology**, and **quantum information systems** within the context of how these emerging technologies challenge or enable an ability to establish systems of trust in the United States and throughout the global economy.

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Leadership Dinner



GUIRR Council Members
December 5, 2018

Honoree: Dr. Walter Copan
Under Secretary of Commerce for
Standards and Technology;
Director, NIST

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ROI Initiative Objective

Assess, streamline, and accelerate the transfer of technology from Lab-to-Market:

Identify critically needed improvements to Federal technology transfer policies, practices, and efforts
Seek broad input from Federal R&D, intellectual property and technology transfer stakeholders



VISION: Unleash the innovation power of America into our economy

GOAL: Maximize the transfer of federal investments in science and technology into value for America;
meet current and future economic and national security needs in a rapidly shifting technology marketplace and enhance U.S. competitiveness globally;
attract greater private sector investment to create innovative products, processes, services, as well as new businesses and industries

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GUIRR Monthly Webinars

Held during the last quarter of 2018:

- August 30 – Preventing Sexual Harassment in Academia and Beyond
- September 20 – Scientific Integrity Principles and Best Practices across the Scientific Enterprise
- October 30 – Developing Biomarkers for Neurological Disorders and Pain
- November 29 – REACH for Commercialization™: A Program for Women Inventors

Coming up in 2019 (1-2 p.m. ET):

- January 30 – Collaborating with the International Space Station National Laboratory

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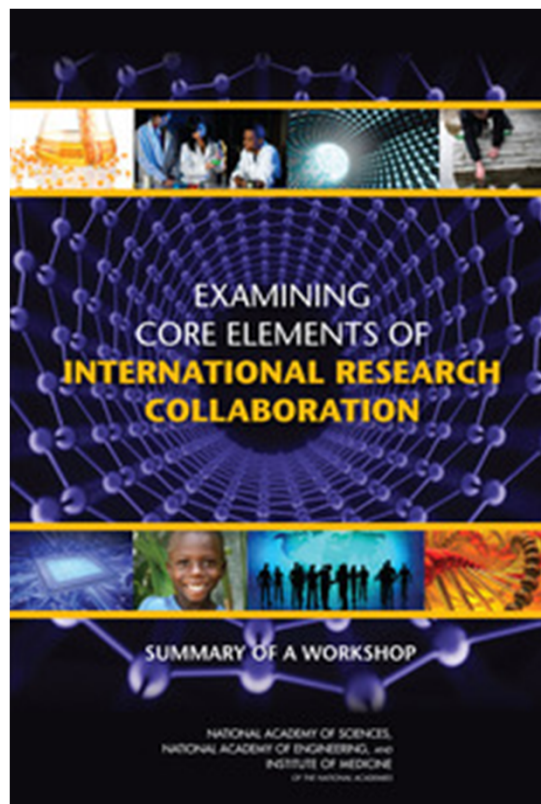
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Retired after 30 years with the Academies



Claudette Baylor-Fleming

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Thank you! Questions?

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