

# Government-University-Industry Research Roundtable (GUIRR)

*Update – FDP Meeting*

*May 14-15, 2009*

*Irvine, CA*

# What is GUIRR?

- Joint body of the NAS, NAE, and IOM
- 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 3x 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

# Membership

- **COUNCIL MEMBERS:** The three presidents of the National Academies, the heads of major federal R&D agencies (for non-R&D agencies, the head of the largest R&D-performing subdivision), and a small selection of university presidents and industry CEOs as appointed by the National Academies presidents.
- **COUNCIL ASSOCIATES:** Designated by individual federal agency heads as their alternate representative to GUIRR.
- **UNIVERSITY-INDUSTRY PARTNERS:** Representatives from U and I with a history of partnership and dedication to the research enterprise. Act, in effect, as “antennae” to bring into discussion the most current ideas and issues facing G-U-I research cooperation across the country.
  - Join as paired partners
  - Pay annual dues
  - Currently 16 partner organizations (32 individual member organizations)

# Current GUIRR Co-Chairs

- Dr. C.D. (Dan) Mote, Jr.  
President  
University of Maryland at College Park
- Dr. Lydia Thomas  
Former President and CEO  
Noblis

# Current U-I Partners

- Battelle
- Boeing Company
- Corning, Inc.
- General Electric Company
- Hewlett-Packard Company
- IBM T.J. Watson Research Center
- Intel Corporation
- Deere & Company
- Lockheed Martin Corporation
- Mars, Inc.
- Northrop Grumman Corporation
- Northrop Grumman Electronic Systems
- Pacific Northwest National Laboratory
- Raytheon Integrated Defense Systems
- Semiconductor Research Corporation
- Southwest Regional Institute
- The Ohio State University
- Georgia Institute of Technology
- Pennsylvania State University
- University of Wisconsin-Madison
- University of California, Los Angeles
- Stanford University
- University of California, Berkeley
- Iowa State University
- University of Maryland
- University of California, Davis
- California Institute of Technology
- Massachusetts Institute of Technology
- Washington State University
- University of Massachusetts
- University of Texas at Austin
- University of Texas at San Antonio

# Federal Agencies Providing Core Funding for GUIRR

- Department of Defense (DOD)
- Department of Homeland Security (DHS)
- National Institutes of Health (NIH)
- National Institute of Standards and Technology (NIST)
- Department of Agriculture (USDA)

# Problems Worth Solving

- The compelling problems of our nation are too complex for any one university, company, or federal agency to solve.
- GUIRR focuses on those issues at the interface of government, university, and industry that have a science and/or technology component.

# GUIRR Meeting Topics

- February 2007 - *Global Energy Policy Solutions*
- June 2007 - *Global Energy Policy Solutions II*
- October 2007 - *Environmental Sustainability – A Path Forward Via Government-University-Industry Partnerships*
- February 2008 - *Flying Over the Valley of Death: Accelerating from Discovery to Product*
- June 2008 - *New Partnerships on a Global Platform*
- October 2008 - *Food Security: Global Challenges and Directions*
- February 2009 - *Perspectives on the ‘Global Food Crisis’*

# Upcoming Meeting

- June 2-3, 2009 – *Maximizing U.S. Returns on Shared Knowledge: Innovative Frameworks for Technology Transfer and Full Global Engagement*
  - OVERARCHING QUESTION: How do we maintain both national security and economic prosperity?
    - Recent NRC report: *Beyond Fortress America: National Security Controls on Science and Technology in a Globalized World*
  - GUIRR members will examine:
    - successful overseas tech transfer frameworks including public-private partnerships regarding dual-use technology
    - European cluster framework policies
    - international research collaborations
    - intercompany transfers
    - other global relationships
  - PLUS:
    - student visa regulations
    - absence of scientific attaches in U.S. embassies abroad

# GUIRR as a Catalyst

- GUIRR representatives readily organize into flexible action-oriented teams that can catalyze high-level G-U-I cooperation on issues of national importance
  - International Research Collaborations
  - Marketing Science & Engineering Careers
  - Large-Scale Data Integration
  - Partnerships for Emerging Research Institutions
  - Food Safety / Security
    - emphasizing R&D in addition to regulation and inspection
  - FDP and UIDP – IMPORTANT GUIRR INITIATIVES

# International Research Collaborations

## Working Group: “I-Group”

- Proposed two-day workshop (March 2010) around issues that impede collaboration and formation of partnerships
  - Cultural Differences and Nuances (Plenary, Day 1)
  - Legal Issues and Agreements (Plenary, Day 2)
  - Differences in Ethical Standards
  - Research Integrity and the Responsible Conduct of Research
  - Intellectual Property
  - Risk Management
  - Business, Financial, and Currency Topics
  - Export Controls / ITAR
- ~60 attendees with 25% international representation
- Thematic workshop champions and teams will later draft chapters for a planned primer

# University-Industry Demonstration Partnership (UIDP)

- Created in 2006
- Semi-autonomous organization under the auspices of GUIRR
- Works to reduce barriers and enhance communication in university-industry research relations (tech transfer, IP, etc.)
- Executive Director: Dr. Anthony Boccanfuso
- Initial outcomes
  - Development of 5 contract accords in areas that are typically contentious when negotiating research agreements
  - TurboNegotiator – custom web-based tool utilizing contract accords
  - Discovery-to-Innovation Workshop + Report (strategies for advancing the process)
- New or continuing projects
  - Negotiations workshops (chemicals, engineering, clinical trials)
  - Company “open call” RFPs
  - Niche agreements
  - Non-financial partnering strategies
- **[www.uidp.org](http://www.uidp.org)**

# THANK YOU!

Susan Sauer Sloan  
Director, GUIRR  
202-334-1706  
[ssloan@nas.edu](mailto:ssloan@nas.edu)

**[www.national-academies.org/guirr](http://www.national-academies.org/guirr)**