

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

“Strategies for U.S. Competitiveness: Developing a Proposed Role for GUIRR”

Government-University-Industry Research Roundtable Meeting

June 20, 2006 (dinner)
Circle Bistro
One Washington Circle Hotel
One Washington Circle, NW
Washington, D.C. 20037

June 21, 2006 (meeting)
Lecture Room
The National Academies
2101 Constitution Ave, NW
Washington, D.C.

June 20, 2006 **Circle Bistro, One Washington Circle NW, Washington, DC**

6:00pm–6:30pm
6:30pm–8:00pm

Cocktails
DINNER: Federal Agency Perspectives on National Competitiveness

Moderator: William Wulf, President, National Academy of Engineering

- Jack Marburger, Director, OSTP
- William Jeffrey, Director, NIST
- Randall Lutter, Associate Commissioner for Policy, FDA
- George Gray, Assistant Administrator for Research and Development, EPA

During this dinner, the leadership of several of the science and technology agencies will outline their agency's response to the call for greater national competitiveness and suggest roles GUIRR might play in either directly contributing towards the competitiveness goal or advancing the ongoing national debate.

June 21, 2006 **Lecture Room, NAS Building, 2101 Constitution Ave., NW Washington, DC**

7:30–8:00 Continental Breakfast
8:00–8:15 Welcome: Lydia Thomas, CEO, Mitretek

REVIEW OF ONGOING GUIRR ACTIVITIES

8:15-8:30 **Data Overload** (*joint activity between GUIRR and the Board on Mathematical Sciences and their Applications*)

GUIRR volunteers: Robert Morris, Richard Spinrad

Collaborators: Amy Braveman (JPL); Robert Bouzon (HP); Robert Chadduk (National Archives); Alan Laub (UCLA); Chung-Sheng LI (IBM); Martha Maiden (NASA); Michael Marron (NIH); Dan Reed (UNC); Sylvia Spengler (NSF); Michael Strayer (DOE), Lee Zia (NSF).

- Robert Morris, Vice President, Assets Innovation, IBM Global Services

At the last GUIRR meeting, it was decided a “Data Overload” or “Wealth of Data” workshop should try to integrate policy and technical issues with a focus on open data sharing between disciplines and fields. Since February, the group has been busy canvassing the level of interest from prospective federal funders. Dr. Morris will give an update on prospective funders and their interest areas within this broad topic.

8:30-8:40 DISCUSSION

8:40-8:55 **Partnerships for Emerging Research Institutions (ERI’s)**

GUIRR volunteers: Wanda Austin, Wayne Johnson, Robert Morris, George Reynolds, Lydia Thomas, Nancy Wray

Collaborators: Vijaya Melnick (FDP and UDC)

- Vijaya Melnick, Director of Sponsored Research and Programs, University of the District of Columbia; also, FDP liaison to the GUIRR membership on the ERI project

This project is designed to develop mechanisms by which research-emerging institutions can leverage the “administructural” resources of research-intensive institutions. Dr. Melnick will briefly summarize the state of 1) the National Academies/GUIRR workshop planning and 2) the FDP’s plans for corresponding implementation experiments.

8:55-9:05 DISCUSSION

9:05-9:30 **Faculty Burden Survey – Federal Demonstration Partnership**

- Leslie Wimsatt, Consultant to the Federal Demonstration Partnership

Dr. Wimsatt, the researcher who developed FDP’s Faculty Burden Survey, will describe the survey results. This 7,000 respondent survey was designed to determine the extent to which faculty time is spent on federally mandated administrative tasks, rather than research. GUIRR members will be asked whether it might be worth publicizing this information via a report, and whether any policy initiatives are suggested by the data.

9:30-9:40 DISCUSSION

9:40-9:55 **Launch of “University-Industry Demonstration Partnership” (UIDP)**

GUIRR volunteers: Larry Rhoades, Wayne Johnson, Roberto Peccei

Collaborators: Bob Killoren (NCURA); Susan Butts (IRI), Ken Lynn (Kauffman)

- Wayne Johnson, Vice-President, University Relations-Worldwide, Hewlett-Packard

Dr. Johnson will describe the launch and current status of the University-Industry Demonstration Partnership, which debuted at an April 25 Summit hosted by GUIRR. Since this organization is now semi-autonomous, he will also ask GUIRR members’ input on the method and frequency by which GUIRR and the UIDP should engage in the future.

9:55-10:05 DISCUSSION

10:05-10:20 **S&E Education /Workforce Initiatives for GUIRR**

GUIRR volunteers: Patrick Antony, Sam Armstrong, Mel Bernstein, William Berry, Tony Elam, Sharon Hays, Ruth Kirchstein, Robert Morris, Eva Pell, Bob Powell, George Reynolds, Wally Schaffer, Hratch Semerjian, Kelly Sullivan

Collaborators: Peter Faletra (DOE), Tom Kowalczyk (DHS), Laura Petonito (DHS), Don Thompson (NSF), Keith Thompson (DOD), Virginia Wiggins (SRC), Lilian Wu (IBM)

- Kelly Sullivan, Director, University Partnerships, Pacific Northwest National Laboratory

After the last GUIRR meeting, a working group on S&E Education/Workforce Issues was formed. Since then, the working group has had one teleconference and one in-person meeting. Drs. Antony and Reynolds will summarize the group's offline deliberations for GUIRR member input.

10:20-10:30 DISCUSSION

10:30-11:00 BREAK

STRATEGIES FOR U.S. COMPETITIVENESS:
DEVELOPMENT OF A PROPOSED ROLE FOR GUIRR

11:00-12:00 **“U.S. Strategy for Reconciling the Dual Imperatives of Open Trade for Economic Security and Trade Restrictions for National Security”**

Moderator: Gen. Sam Armstrong, NASA, retired.

- Kathleen Walsh, Professor of National Security Affairs, Naval War College
- Scott Jones, Director, Export Control Programs, Center for International Trade and Security, University of Georgia
- Richard Cupitt, Scholar-in-Residence, School of International Service, American University and Expert, UN Security Council 1540 Committee

As the world becomes increasingly globalized , our isolation-based security paradigm becomes increasingly challenged. Evidence of this are the repeated clashes between the U.S. technology community and the U.S. security community in such areas as export controls, deemed exports regulations, and visa policies. Many believe the time has come to fundamentally re-examine the way we achieve national security, homeland security, and economic security in the 21st century. Recently, Under Secretary Robert McCormick has directed the Commerce Department to form a 12-member advisory committee to conduct a "top-to-bottom review of deemed-export policy." This panel goes one step further to look at export policy and security policy as a whole.

12:00-12:15 DISCUSSION

12:15-1:30 **WORKING LUNCH on National Competitiveness:
Status of Key Report Recommendations and Legislative Initiatives**

AUGUSTINE LEGISLATION IN THE HOUSE

- Representative Bart Gordon, R-TN

RISING ABOVE THE GATHERING STORM – NEXT STEPS

- Debbie Stine, Associate Director, COSEPUP

NATIONAL INNOVATION INITIATIVE and ACT

- Bill Bates, Vice President for Government Affairs, Council on Competitiveness

1:30-3:00 **Potential GUIRR Initiatives in Competitiveness**

Membership discussion of potential initiatives, focusing on those areas in which GUIRR has had a historically strong role: S&E workforce, new innovation paradigms, and the reconciliation of globalization with national security needs.

3:00 Adjourn