**UNIVERSITY-INDUSTRY PARTNERSHIP PROJECT**

In 1997, GRF launched the University-Industry Partnership Project (UIPP) to bring together leaders from federal agencies, research universities, and industry to identify, evaluate, and ultimately shape a comprehensive research policy framework.

In 2003 GRFP formed a collaboration with the National Council of University Research Partnerships (NCURP) to provide national leadership in organizing and implementing a series of regional meetings. The first of these gatherings, in May 2003, was sponsored by the Alfred P. Sloan Foundation. In the months that followed, leadership teams from 20 universities engaged in discussions aimed at developing strategies to enable research universities to adapt to the new environment of university-industry partnerships.

The forum fosters national and campus-based dialogues aimed at helping research universities and industry to identify and respond to an array of issues, including science and engineering education, institutional membership and its funding base. These institutional members enhance the roundtable’s ability to generate ideas and execute effective action. As GUIRR supporters, federal members have full participation rights in the closed-sector working groups.

GUIRR’s accomplishments continue to be attributable largely in part to the participation and contributions of the U.S. Congress. In general, it is GRFP’s role to set the framework and guidelines to provide a sense of direction. Congress has the authority to legislate, and to do so it often turns to the academic and research communities for expert input. The ability to engage these communities in an effort to expand buy-in from the community is what distinguishes GRFP from other groups that promote university-industry partnership activities.

**UIPP: SERIES OF FEDERAL-DU при PARTNERSHIP WORKSHOPS**

The Federal Demonstration Partnership is a unique collaborative effort launched in 2002 by the Office of the Secretary of Defense, the U.S. Department of Energy, the National Institutes of Health, the National Science Foundation, and the National Aeronautics and Space Administration (NASA). The partnership is divided among the following four teams:

- **Blue Team:**

  - Developing the relationship and identifying opportunities for broadening participation in academic and administrative support
  - Providing expert advice on how to implement best practices in the federal laboratories
  - Identifying ways to broaden participation of underrepresented populations in sponsored research

- **Red and Green Teams:**

  - Developing an ongoing forum similar to the Federal Demonstration Partnership to expose the guiding principles and best practices to other members of the federal government and to provide technical expertise to grants.gov and the NIH Commons for electronic research administration
  - Providing technical expertise to grants.gov and the NIH Commons for electronic research administration

- **Black Team:**

  - Conceptualizing an ongoing forum similar to the Federal Demonstration Partnership that could be capable of resolving outstanding issues with demonstration projects by university-industry teams
  - Selecting models for the conduct of federally sponsored scientific research; changing the nature of scientific research, and examining the effects of these changes on business

- **Core Groups:**

  - Models Subcommittee activities that address important policy implications arising from the development of new and improved models
  - Providing expert advice on how to implement best practices in the federal laboratories
  - Identifying ways to broaden participation of underrepresented populations in sponsored research

The University Industry Partnership Program is an important component of both the roundtable’s ability to identify and respond to an array of issues, including science and engineering education, institutional membership and its funding base.

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INTRODUCTION TO THE ROUNDTABLE

GUIRR was created in 1998 as a response to a report of the American Academy of Arts and Sciences entitled "Innovations in University-Industry Partnership Programs." The report was the result of a year-long collaboration between the universities and industry. In 1998, the GUIRR's formal council was established, and in 2004, the Council on Governmental Relations was added to the council. The council members and representatives from minority-serving institutions intend to work with these members and representatives from minority-serving institutions to develop a national agenda for emerging research institutions.

The National Academies' Policy and Global Affairs division, in collaboration with the Forum on Information Technology and Research Universities, developed the GUIRR membership for emerging research institutions was created for those institutions with less than $15 million in research expenditures. In 2004 the FDP welcomed Florida A&M, Morgan State University, and the University of Missouri-Columbia to its membership, bringing the total number of GUIRR members to 31. The council continues to work on broadening participation of underrepresented groups in the FDP, and the council has established an education agenda, in addition to a research agenda, to ensure the nation's security.

In 2004 the GUIRR national council associates (identified delegates of the ex-officio members and the National Academies presidents); (2) individually identified institutional members; and (3) individually identified representatives from the Council on Governmental Relations to narrow the scope of critical issues related to the national and global science research community that the recommendations, if implemented, would effecting national competitiveness and encouraging innovation. Guest speakers from the Organisation for Economic Co-operation and Development also informed the GUIRR membership of initiatives to promote economic growth and workforce. GUIRR’s February meeting featured a panel discussion on policy strategies for increasing value to the stakeholders. This forum will be focused on engaging universities in the university science research workforce. GUIRR is currently partnering with the Industrial Research Institute, the American Chemical Society, and the European Industrial Research Management Association to assess the inward investment from those for relocating development, and that the factor weights may also differ for industries facing the universities. Their discussions in 2004 resulted in clarifications on how the policies controlling under the "fundamental research exemption." If implemented, these recommendations might prohibit the access of foreign students, postdocs, and visiting scholars, to equipment in U.S. research laboratories.

For a copy of the publication visit the University-Industry Partners Program, visit our web site at http://www.GUIRR.org.

The National Academies, Policy and Global Affairs division, is directed by the GUIRR, an American Academy of Arts and Sciences, the National Academy of Engineering, and the American Philosophical Society, and the European Industrial Research Management Association.

Corporate R&D Investment: A Question of Here or There?

GUIRR is currently working with the National Research Council’s Project on Science, Engineering, and Public Policy (SEPP) on its report on research and development investments in the United States. The report will be released in early 2005. This report examines various aspects of this issue, including understanding the nature, trends, and drivers of corporate R&D investment in the United States. The report provides an analysis of the challenges faced by U.S. companies in retaining domestic R&D investment and competing with foreign companies for R&D talent.

The report is expected to be released in late 2004 or early 2005. For a copy of the publication visit http://www.GUIRR.org.
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The Roundtable is sponsored by the National Academy of Sciences, the National Academy of Engineering, and the European Academy of Sciences, the National Academy of Engineering, and the European Academy of Sciences and Arts. The Roundtable is cosponsored by the National Science Foundation, the Department of Commerce, the Department of Energy, the Department of Agriculture, the Department of State, the National Institutes of Health, the Environmental Protection Agency, the Social Security Administration, the National Science Board, the National Academy of Medicine, the Council on Governmental Relations, and the National Science Foundation. The Roundtable’s membership includes representatives from all of these organizations.

GUIRR activities in 2004

GUIRR continued its work in 2004 to respond to a report by the National Science Board (NSB), recommending that national laboratories be encouraged to facilitate dialogue between the nation’s scientific research communities and the leadership of government and nongovernment research organizations. The report recommended that national laboratories establish mechanisms to provide the nation with timely information on critical issues related to the national and global science and technology enterprise. In 2004, GUIRR’s formal members – now 114 in number – include representatives of 51 federal laboratories, the National Academy of Sciences, the National Academy of Engineering, and the European Academy of Sciences and Arts. In addition, GUIRR members include representatives from minority-serving institutions, as emerging research institute members. In the coming year, the FDP intends to work with these members and representatives from minority-serving institutions to develop a strategic plan for the enhanced participation of underrepresented groups in the FDP.

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GUIRR was created in 1985 in response to a report by the Committee on Science and Technology of the National Academies that called for science to be institutionalized in the American political system. The Global University Research and Research Infrastructure Roundtable (GUIRR) is an academic and industrial forum that promotes discussions between U.S. universities, research laboratories, and the National Academy of Sciences, National Academy of Engineering, and Institute of Medicine on international and domestic research and education matters. The roundtable provides a forum for key stakeholders to discuss the challenges and opportunities of globalization. The June meeting focused on the globalization of universities, and the October meeting addressed the rapid changes in university research and education that are occurring globally. The November meeting will examine the potential implications of the findings and recommendations of the June meeting and the October meeting to frame the next critical question stemming from current critical issues related to the national and global science and engineering research and education systems.

In 2004 GUIRR formed a working group on the subject of the DEEMED EXPORTS WORKING GROUP to identify the influential factors leading to the decision to site R&D facilities abroad, and then assign weights to each. The working group received financial resources for joint work, and addressing cultural issues. The major topics covered in the working group were:

- Transfer technology and equipment in U.S. university laboratories.
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The National Academies’ Policy and Global Affairs division, in collaboration with the National Science Foundation and the National Institutes of Health, will hold a workshop on educational initiatives in homeland security held in April 2004 that: aid in the coordination and development of educational and training programs for professionals and students in the field. The workshop is intended to examine the extent to which current and proposed education programs are addressing the needs of the stakeholders.

The working group was convened by the National Academies, and has now become an ongoing forum for key stakeholders to discuss the challenges and opportunities of globalization. The June meeting focused on the globalization of universities, and the October meeting addressed the rapid changes in university research and education that are occurring globally. The November meeting will examine the potential implications of the findings and recommendations of the June meeting and the October meeting to frame the next critical question stemming from current critical issues related to the national and global science and engineering research and education systems.

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GUIRR’s unique ability to engage leaders from the government, university, and industry sectors will push to the forefront a number of related issues concerning innovation, commercial demonstrations that are of interest to smaller institutions. Rowan University, the University of the District of Columbia, and the University of Maryland’s Center for Innovation and Technology Development have in the past several years provided support and guidance to the GUIRR working group. Building on that concern, GUIRR assembled a multi-agency working group (including 10 GUIRR members) to convene senior-most representatives from governmental and nongovernment research organizations to narrow the scope of discussions. The working group was formed in response to a National Academies’ Call to Action (October 2003) and was designed to facilitate candid dialogue among participants. The working group met on December 13, 2004, to explore the U.S. technological leadership, and the competitiveness of the national science and engineering workforce. GUIRR’s February meeting featured a panel discussion on policy strategies for increasing federal and private investment in university research, and the role of the GUIRR working group was to provide perspective on the challenge of translating university research into commercially viable products.

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In 2004 GUIRR continued the work of its “Board of Advisors,” a panel of government officials from a wide range of agencies and departments, led by the late former Secretary of Defense Donald H. Rumsfeld. The board meets twice a year to discuss the implications of relevant policies, emerging technologies and the feedback from its members. In addition, during the year, the board met with senior executives from both industry and the federal government to discuss challenges and opportunities in the field.

GUIRR maintains an active members list of over 200 in various capacities. The membership list includes representatives from government agencies, industry, and universities, as well as individuals interested in the field of information technology and the research university. The membership list is updated regularly to ensure the organization’s continued relevance and effectiveness.

For more information, please visit the GUIRR website at www.guirr.org.

In addition, the THINK forum held in 2004 was a major event organized by GUIRR. The THINK forum brought together government officials, industry leaders, and academic experts to discuss the latest trends and issues in the field of information technology.

In 2004, GUIRR continued its efforts to promote the importance of the government-university-industry partnership in research and development. The organization published several reports and articles on topics such as the role of the federal government in supporting research and development, and the importance of collaboration between government, industry, and academia.

GUIRR also held several events throughout the year, including a roundtable discussion on the future of the government-university-industry partnership, and a workshop on the role of the National Science Foundation in supporting research and development.

In order to promote further collaboration and communication between government, industry, and academia, GUIRR continues to hold events and meetings throughout the year. The organization remains committed to promoting the importance of the government-university-industry partnership in research and development, and to ensuring that all stakeholders are involved in the process.

For more information, please visit the GUIRR website at www.guirr.org.
FEDERAL DEMONSTRATION PARTNERSHIP
UNIVERSITY-INDUSTRY PARTNERSHIP PROJECT

In 2003 GUIRR issued a competitive
Funding Opportunity Announcement (FOA) for the University-Industry Partners Program. Through this program, GUIRR sought to develop new approaches to bring the themes of the GUIRR agenda to life by partnering with universities, industry, and other organizations.

In 2003 GUIRR formed a partnership with the National Council of University Research Administrators (NCURA) and the University Executives Council (UEC) to provide national leadership in engaging university-industry partnerships. The Strategic Planning Committee (SPC) of this partnership, which includes representatives from the NCURA and UEC, is working to identify enabling practices that will support the development of successful partnerships across the nation. This effort is divided among the following teams:

Red Team:

Blue Team:

Green Team:

The Red Team explores strategies to move innovation more rapidly from the laboratory to commercialization.

The Blue Team examines ways to increase the number of patents issued to universities.

The Green Team examines how to improve federal oversight of university-industry research agreements.

A series of leadership dinners launched in 2002 allows the highest levels of federal representa-
tion to deliberate on options, background rationale, and clauses specific to each partnership. Administrators and the Industrial Research Institute to provide national leadership in changing the approach of both universities and industry to the negotiation of intellectual property agreements and as models for the conduct of federally sponsored scientific research; and develop action plans for change. These new ways of doing business are then tested in demonstrations by university-industry teams. Conceptualize an ongoing forum similar to the Federal Demonstration Partnership, which would serve as a model for funding university-industry research partnerships by university-industry teams. Conceptualize and implement the use of educational train-
ings as a demonstration for practitioners that allows them to easily follow the principles, currently in draft form, to be shared with outside organizations.

In addition, project-specific support in 2004 was provided by:

Georgia Institute of Technology/Boeing
University of California, Davis /Mars, Incorporated
Purdue University
Wallace H. Coulter Foundation
University of Texas at Austin/Semiconductor Research Corporation
University of California, San Diego
Chancellor
Mary Good
Texas A&M University
Managing Member
Jerrold M. Block
Texas A&M University
Partner
Wanda Austin
Georgia Institute of Technology/Rocketdyne
Georgia Institute of Technology/SRI International
The University of Texas at Austin
University of California, San Diego
National Science Foundation
National Aeronautics and Space Administration
National Institutes of Health
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The Page 18 of the document contains the following text:

**UNIVERSITY-MINISTRY PARTNERSHIP PROJECT**

The Federal Demonstration Partnership (FDP) is a unique initiative comprising 10 federal agencies and 98 universities, nonprofit organizations, and businesses as well as national labs, to work collaboratively on important issues facing the public and private sectors. The initiative began in August 2003 and has since held three meetings of approximately 200 participants each. The next meeting is scheduled for spring 2006, with the final event to be held in late spring 2006.

### FEDERAL DEMONSTRATION PARTNERSHIP

The FDP is a collaborative effort to connect government and university-industry research revelation in order to inform discussions on important issues. In May 2004, the focus of the FDP was on the vulnerability of the agricultural industry to agroterrorism. Invitees examined the vulnerabilities in the agricultural and food security systems, and identified ways to share information and develop strategies for change.

### LEADERSHIP SUMMERS SERIES

A series of summer workshops held in 2004 provided the highest level of federal research, including research universities, and the U.S. Department of Homeland Security. The workshops, which were open to federal R&D agencies, included representatives from the Department of Homeland Security, National Security Agency, National Science Foundation, and other federal agencies.

### COMPREHENSIVE SUPPORT

The FDP is committed to supporting the goals of the National Science and Technology Council's Research Business Models Subcommittee activities that address important policy implications arising from the FDP's work. The FDP also provides support to the FDP's supporting the goals of the National Science and Technology Council's Research Business Models Subcommittee activities that address important policy implications arising from the FDP's work.

### REPORT ON INFORMATION TECHNOLOGY AND RESEARCH UNIVERSITIES

The report describes the activities of the Federal Demonstration Partnership (FDP) in 2004, which was a year-long initiative that connected government and university-industry research in order to inform discussions on important issues facing the public and private sectors. The initiative began in August 2003 and has since held three meetings of approximately 200 participants each. The next meeting is scheduled for spring 2006, with the final event to be held in late spring 2006.
UNIVERSITY-INDUSTRY PARTNERSHIP PROJECT
University of California, Berkeley—Law

In 2005 GUIRA continued its collaboration with the University of California, Berkeley, to support the project’s work. The project involves a series of workshops attended by executive leadership teams from leading institutions. The University-Industry Partners Program is an important component of both the roundtable activity. As GUIRR supporters, federal members have full participation rights in the closed-meeting venue, allowing for the exchange of views and the development of collaborative approaches to shared problems. The approach of both universities and industry to the negotiation of intellectual property agreements is one of the most controversial and fraught areas of the federal government’s relationship with universities. This is particularly true for new university-generated inventions. At its regular meetings, FDP members hold spirited and frank discussions, identify problems, and develop action plans for change. These new ways of doing business are then tested in university-industry partnerships, where serious and meaningful changes in the governing principles, when warranted, can be promptly implemented. This experience will be shared with other university-industry partnerships, significantly improving the outcomes of federal-university-industry transactions and creating a better understanding of how to facilitate the exchange of knowledge and technology between government, industry, and universities.

GUERRA PUBLICATIONS


GUERRA PUBLICATIONS


FEDERAL DEMONSTRATION PARTNERSHIP

The Federal Demonstration Partnership (FDP) is a unique cooperative arrangement among its federal, state, and local partners of the National Academies. Through the FDP, the National Academies develop and test new approaches for improving federal government research and development policies and practices. The FDP provides members with opportunities to examine and implement the principles currently in draft form, to be shared with outside organizations. The FDP’s current activities include the following:

• Developing a statement of guiding principles for decision and policy makers to serve as a guide for working through issues identified in the federal university-industry research partnership landscape.

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GLOBALIZATION AND UNIVERSITY SECURITY

Globalization is changing the established framework of the science and engineering research enterprise and has several implications for university security. In particular, it raises significant concerns about the national security implications of university research and the potential for foreign influence on the research agenda. Additionally, international trends in research and development, and the rise of China as an economic and political power, are likely to lead to increased competition among nations for the leadership in science and technology. This competition is likely to manifest itself in several ways: (1) increased competition for U.S. technological leadership, and the competitiveness of the national science and engineering research enterprise, within the context of international economic relations and trade; (2) increased efforts to attract and retain science and engineering talent in the face of international competition; (3) increased emphasis on the role of U.S. universities as centers of international exchange and collaboration, including increased involvement of foreign nationals at U.S. research universities. The concern stems from members in the university-industry community in response to the March 2002 instruction from the Inspector General’s office that universities are not exempt from adherence to these controls.

GUIRR (the Government-University-Industry Research Roundtable) is a unique coalition of research institutions that is working to identify the influential factors leading to the decision to site R&D facilities abroad, and then assign weights to those factors. The goal is to develop a methodological framework that can be used to value different locations when deciding on where to value development, and where factors weight for the future may offer the best mix of financial and national security incentives. The working group’s design was completed in 2004 and is currently being beta tested. The final report is expected in 2005.

GUIRR ACTIVITIES IN 2004

In 2004 GUIRR formed a working group to convene senior-most representatives from government and nongovernment research organizations to work on the nation’s science and technology agenda that are of shared interest; to identify the influential factors leading to the decision to site R&D facilities abroad, and then assign weights to those factors; to develop a methodological framework that can be used to value different locations when deciding on where to value development, and where factors weight for the future may offer the best mix of financial and national security incentives. The working group’s design was completed in 2004 and is currently being beta tested. The final report is expected in 2005.

Corporate R&D Investment: A Question of Here or There?

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National Laboratory-Industry Collaboration

The report of best practices and remaining challenges to collaborations between universities and federal laboratories, which was released in 2004. The report, based on an intensive collaboration among federal laboratory directors, university researchers, research faculty, and program officers, summarized collaborative arrangements that have endured for 10 years or more. It identified best practices, potential barriers, and recommendations for the future. The report was sponsored by the National Academies and the Department of Energy.

For more information about GUIRR and its activities contact:
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The processes and procedures followed in the design and development of the GUIRR working group design were to achieve a balance between the university security and economic needs. The working group has a design that is based on the use of a multi-criteria decision analysis (MCDA) methodology. The working group has a design that is based on the use of a multi-criteria decision analysis (MCDA) methodology. The working group has a design that is based on the use of a multi-criteria decision analysis (MCDA) methodology. The working group has a design that is based on the use of a multi-criteria decision analysis (MCDA) methodology. The working group has a design that is based on the use of a multi-criteria decision analysis (MCDA) methodology.