

N A S A 's S B I R C ommunity: **Opportunities and Challenges**



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The National Academies

Welcome to the National Academies



- **National Academy of Sciences**
 - Chartered by Congress in 1863
 - A self-perpetuating Honorary Society
- **National Research Council (1916)**
 - The Operating Arm of the National Academies
- **National Academy of Engineering (1964)**
- **Institute of Medicine (1970)**



The Global Innovation Imperative

- **Key Points**
 - **Innovation** is Key to Growing and Maintaining a Country's Competitive Position in the Global Economy and to address Global Challenges
 - **Collaboration** among Small and Large Businesses, Universities, and Research Institutes is Essential for Innovation
 - **Proven Innovation Programs** like SBIR are needed to support collaboration and accelerate innovation

America's Innovation Imperative

- **“The first step in winning the future is encouraging American innovation.”**
- **“We know what it takes to compete for the jobs and industries of our time.**
 - We need to out-innovate, out-educate, and out-build the rest of the world.”



- **President Obama, January 25, State of the Union Message**

The National Academies' Board on Science, Technology, and Economic Policy (STEP) is an Internationally Recognized Center of Expertise on Innovation Policy

- **STEP studies identify means of:**
 - Accelerating innovation
 - Advancing competitiveness and
 - Improving our understanding of the nation's economic performance and of other nations' policies and practices

STEP Work on Innovation Policy

- **Conflict and Cooperation in National Competition for High Technology Industry**
 - Called for an activist and effective trade policy
- **Best Practice in Public-Private Partnerships: Guidance on What Works**
 - Chaired by Gordon Moore, Chairman Emeritus, Intel
- **Innovation in Global Industries**
 - Chaired by David Morgenthau, Morgenthau Ventures
- **Patents in the Knowledge Based Economy**
 - Chaired by Richard Levin, Yale University & Mark Myers, University of Pennsylvania

STEP's Current Innovation Work

- **Comparative National Innovation Policies: Best Practice for the 21st Century**
 - Chaired by Ambassador Alan Wm. Wolff, Dewey & LeBoeuf, Former Deputy USTR
- **Best Practices in State and Regional Programs**
 - Chaired by Mary Good, University of Arkansas, Former Under Secretary for Technology at the Department of Commerce
- **Review of Electric Drive Battery Research and Development Activities**
 - Chaired by Mary Good
- **Best Practices in National Innovation Programs for Flexible Electronics**
 - Chaired by A. Michael Andrews, L3 Corporation and former Chief Scientist to the U.S. Army

STEP's Current Innovation Work

- **Crossing the Valley of Death: An Assessment of the SBIR Program**
 - Improved the public's understanding of the challenges of Early Stage Finance
 - Documented the diversity and flexibility of the SBIR programs
 - Assessed effectiveness of agency SBIR programs
 - Highlighted benefits of SBIR to agency missions and to the US innovation system
 - This study is now in its second phase

It is now my pleasure to introduce the
Chair of this study:

The Hon. Jacques Gansler

**Roger C. Lipitz Chair in Public Policy and Private Enterprise
Director , Center for Public Policy and Private Enterprise
University of Maryland**

**Former Under Secretary for Defense for
Acquisition, Technology and Logistics**

Thank You



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