

# Building the 21<sup>st</sup> Century: U.S.-China Cooperation on Science, Technology, and Innovation



The National Academies  
Washington DC  
May 18, 2010

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Director, Technology, Innovation, and Entrepreneurship  
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 National Academies' Board on Science, Technology, and Economic Policy (STEP)

- STEP members include corporate executives, academic economists, venture capitalists, and former government policymakers.
- STEP's unique mission is to integrate scientific, technological, and economic elements in recommendations for national policies.

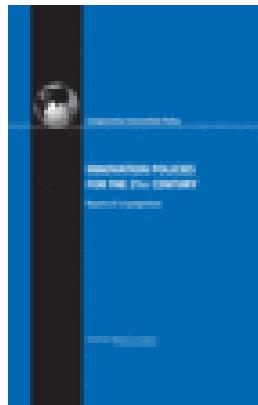
# STEP's Innovation Work Includes

- Best Practices in State and Regional Programs
  - Chaired by Mary Good, University of Arkansas, Former Under Secretary for Technology at the Department of Commerce
- Crossing the Valley of Death: An Assessment of the Small Business Innovation Research (SBIR) Program
  - Chaired by Jacques Gansler, University of Maryland, and Former Under Secretary for Technology and Acquisition at the Department of Defense
- Comparative National Innovation Policies: Best Practice for the 21st Century
  - Chaired by Alan Wm. Wolff, Dewey & LeBoeuf, Former Deputy Trade Representative

# STEP is Undertaking a Comparative Analysis of Innovation Programs & Policies Around the World

- This program examines policies and programs undertaken by governments around the world to create, nurture, and sustain high technology industries
- The goals of this review are to:
  - Inform US policymakers about what the rest of the world is doing—not in theory, but in fact
  - Improve mutual cooperation and learning

# Recent Reports in STEP's Study of Comparative Innovation Policy



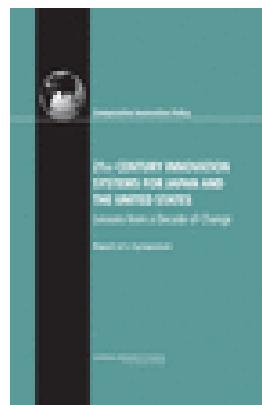
Innovation Policies for the 21st Century (2007)



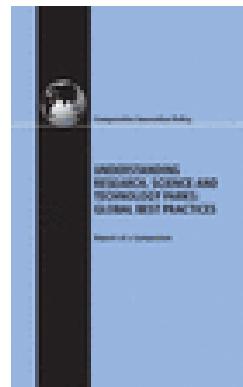
India's Changing Innovation Policies (2007)



Innovative Flanders (2008)



21<sup>st</sup> Century Innovation Systems for Japan and the United States (2009)



Understanding Research, Science, & Technology Parks (2009)

# Today's Conference: U.S.-China Cooperation on Science, Technology, and Innovation

Convened under the auspices of the STEP  
Board's analysis of Comparative Innovation  
Policy: Best Practice for the 21st Century  
In cooperation with Cisco Systems Inc.

# We Thank our Sponsors

- International Business Machines
- Intel Corporation
- Palo Alto Research Center
- Sandia National Laboratories
- Office of Naval Research
- Defense Advanced Research Projects Agency
- National Institute of Standards and Technology
- National Science Foundation

# With Special Thanks to...

Cisco Systems Inc.  
and Patrick Keating

# **It is now my pleasure to introduce Alan Wm. Wolff**

**Former U.S. Trade Ambassador**

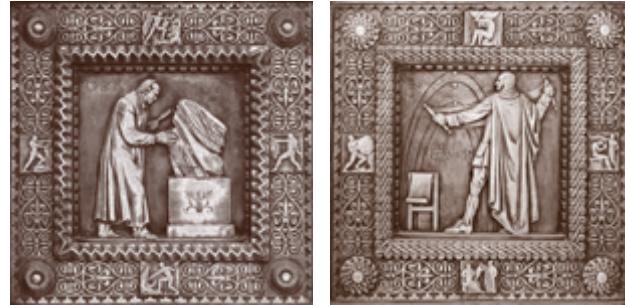
**Member of the STEP Board**

**Chairman of the Committee on Comparative  
National Innovation Policies**

**Distinguished Research Professor, Monterey  
Institute of International Studies**

**Counsel, Dewey & LeBoeuf**

# Thank You



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*Advisers to the Nation on Science, Engineering, and Medicine*