

Building the 21st Century:

U.S.-China Cooperation on Science, Technology, and Innovation



The National Academies
Washington DC
May 18, 2010

Charles W. Wessner, Ph.D.
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.

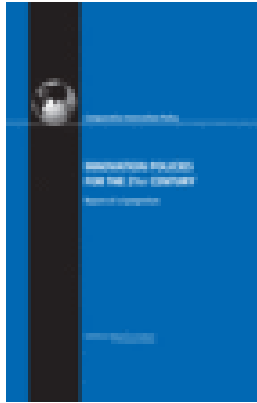
STEP's Innovation Work Includes

- **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' Study of Comparative Innovation Policy



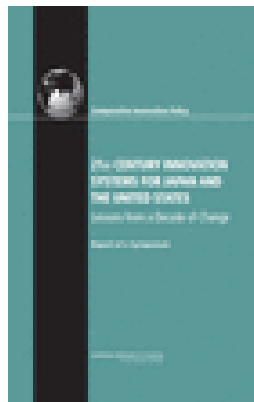
Innovation Policies for the 21st Century (2007)



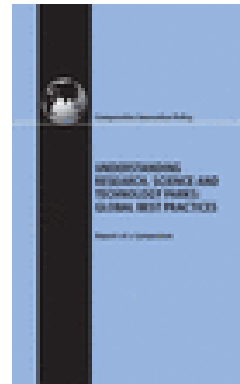
India's Changing Innovation Policies (2007)



Innovative Flanders (2008)



21st 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