

Science and Technology Policy Issues Facing the United States

June 15-19, 2009
The Brookings Institution
Washington, DC

Agenda

Monday, June 15, 2009

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| 7:45 – 8:15 a.m.
<i>Stein Room,
The Brookings Institution</i> | Registration and Breakfast |
| 8:15 – 9:10 a.m.
<i>Stein Room</i> | Welcome, Overview and Introductions <ul style="list-style-type: none">❖ Peter Schoettle, Senior Staff, Center for Executive Education, The Brookings Institution;❖ Ari Witkin, Program Associate, Center for Executive Education, the Brookings Institution |
| 9:15 – 10:15 a.m.
<i>Stein Room</i> | U.S. Leadership in Science and Technology: Fostering Innovation in the US: Is America Slipping? <ul style="list-style-type: none">❖ Robert Atkinson, President, Information Technology and Innovation Foundation, non-resident Senior Fellow, Metropolitan Policy Program, the Brookings Institution; Author of “The Atlantic Century: Benchmarking EU and US Innovation and Competitiveness” |
| 10:15 – 10:30 a.m. | Break |
| 10:30 – 11:30 a.m.
<i>Stein Room</i> | The Obama Administration’s Science Policy <ul style="list-style-type: none">❖ John Holdren, Science Adviser to the President, and Director, Office of Science and Technology Policy, The White House |
| 11:30 – 11:45 a.m. | Break |
| 11:45 – 12:40 p.m.
<i>Stein Room</i> | Where Is the Money Going? The 2009-10 Federal R&D Budget <ul style="list-style-type: none">❖ Kei Koizumi, Assistant Director for Federal R&D Budget, Office of Science and Technology Policy, Executive Office of the President, White House |

Monday, June 15, 2009 (continued)

12:45 – 2:00 p.m.
Somers Room

Lunch:
**Group Discussion: Key Challenges Facing US
Science-Related Federal Agencies**

2:00 – 2:15 p.m.

Break

2:15 – 3:15 p.m.
Stein Room

**Fostering Creativity at the Defense Advanced Research Projects
Agency (DARPA)**

❖ Dr. Robert Leheny, Acting Director, DARPA

3:15 – 3:30 p.m.

Break

3:30 – 4:30 p.m.
Stein Room

**The US Electrical Energy Grid: The Weak Link in Energy Policy
and the Major Obstacle to New Wind and Solar Renewable
Sources**

❖ James Fama, Executive Director, Energy Delivery, Edison
Electric Institute

Tuesday, June 16, 2009

- 8:15 – 8:45 a.m.**
Falk Auditorium
Brookings
- Breakfast**
- 8:45 – 9:45 a.m.**
Falk Auditorium
- The Genomics of Human Evolution**
- ❖ David Brown, Science and Medicine Reporter, *Washington Post*
- 9:45 – 10:00 a.m.**
- Break**
- 10:00 – 11:00 a.m.**
Falk Auditorium
- US Ocean Policy: How Is the US Government Responding to the Challenges?**
- ❖ Paul Sandifer, Senior Scientist, Coastal Ecology for NOAA's National Ocean Service
- 11:00 – 11:15 a.m.**
- Break**
- 11:15 – 12:15 p.m.**
Falk Auditorium
- Stem Cell Research: How It Works, the Science Behind It, and What Might Be Discovered**
- ❖ Dr. James Battey, Chair of Stem Cell Task Force; and Director, National Institute on Deafness and Other Communication Disorders, National Institutes of Health, Department of Health and Human Services
- 12:30 – 2:00 p.m.**
Somers Room
- Lunch**
- Congressional Science Policy: An Inside Perspective**
- ❖ Robert Walker, Chairman, Wexler and Walker Public Policy Associates; former Congressman (R-PA), and Chairman of the House Science Committee
- 2:15 – 3:30 p.m.**
Falk Auditorium
- Deciding Right from Wrong: Recent Scientific Developments Spark New Ethical Dilemmas**
- ❖ Kevin T. FitzGerald, Professor, Catholic Health Care Ethics, Center for Clinical Bioethics, Georgetown University; Research Associate Professor, Department of Oncology, Georgetown University Medical Center
- 3:30 – 3:45 p.m.**
- Break**
- 3:45 – 4:45 p.m.**
Falk Auditorium
- Robots and the Future of Warfare and US Security Policy**
- ❖ Peter Singer, Director, 21st Century Defense Initiative; Senior Fellow, Foreign Policy Studies, Brookings Institution; author of *Wired for War*

Wednesday, June 17, 2009

8:30 – 9:15 a.m.
*South Congressional
Meeting Room, Capitol
Visitors Center*

Breakfast

9:15 – 10:45 a.m.
*South Congressional
Meeting Room*

Science and the Media: Panel Session on Explaining Science to the American Public

- ❖ Maggie Fox, Health and Science Editor, Reuters;
- ❖ Juliet Eilperin, Environmental Correspondent, *The Washington Post*; and
- ❖ Peter Dykstra, Woodrow Wilson Public Policy Scholar; former Senior Executive Producer, CNN Science, Technology, and Weather Unit *(invited)*

10:45 – 11:00 a.m.

Break

11:00 – 12:00 noon
*South Congressional
Meeting Room*

“Peak Oil” -- Is the World Running out of Petroleum?

- ❖ Congressman Roscoe Bartlett, (R-MD), Member, Science and Technology; Armed Services; and Small Business Committees, House of Representatives

12:00 – 12:30 p.m.
*South Congressional
Meeting Room*

Lunch

12:30 – 1:00 p.m.
*South Congressional
Meeting Room*

Ensuring Food Safety: The Need for New Legislation

- ❖ Congresswoman Diana DeGette (D-CO), Member, Energy and Commerce; and Natural Resources Committees, House of Representatives

1:30 – 3:00 p.m.
*South Congressional
Meeting Room*

Congress and Science Policy: Panel of Congressional Staffers

- ❖ Amy Carroll, Legislative Assistant for science, technology and environment issues, Senator Susan Collins (R-Maine); *(possible)*;
- ❖ John Piazza, Majority Counsel, House Science and Technology Committee;
- ❖ Dan Byers, Minority Staff Director, House Science & Technology Subcommittee on Research; and
- ❖ Jonathan Epstein, Professional Staff Member (majority), Senate Committee on Energy and Natural Resources

3:00 – 3:15 p.m.

Break

Wednesday, June 17, 2009 (continued)

3:15 – 3:45 p.m.
*South Congressional
Meeting Room*

**Leading the House Science and Technology Committee:
Key Achievements and Challenges Ahead**

- ❖ Congressman Bart Gordon, (D-TN), Chairman, Science and Technology Committee, House of Representatives

3:45 – 4:00 p.m.

Break

4:00 – 4:30 p.m.
*South Congressional
Meeting Room*

**Yucca Mountain: Challenges and Opportunities in Nuclear
Waste Storage**

- ❖ Congresswoman Shelley Berkley, (D-NV); Member of Foreign Affairs; and Ways and Means Committees; House of Representatives

Thursday, June 18, 2009

8:00 – 8:45 a.m. <i>Falk Auditorium</i>	Breakfast
8:45 – 9:30 a.m. <i>Falk Auditorium</i>	Reforming US Energy Policy and Addressing Global Climate Change: The Perspective from the Petroleum Industry <ul style="list-style-type: none">❖ Donald L. Paul, Executive Director, Energy Institute, University of Southern California, and William Keck Professor in Energy Resources; former Vice President and Chief Technology Officer, Chevron Corp.
9:30 – 9:45 a.m.	Break
9:45 – 10:30 a.m. <i>Falk Auditorium</i>	Lessons from the European and US Regional Experience Implementing Climate Change Cap and Trade Schemes <ul style="list-style-type: none">❖ Clay Clarke, Partner Consultant, Clear Carbon Consulting; Director, Sustainable Development Consortium, Inc.
10:35 a.m.	Depart via Bus for the Smithsonian Udvar-Hazy Air & Space Museum
11:15 – 1:15 p.m. <i>Udvar-Hazy Museum Dulles Airport</i>	Visit Smithsonian Udvar Hazy, Air & Space Museum <ul style="list-style-type: none">❖ Tour with Docents: Harley Bragg, Louise Trussell, and Alex Wisniewski
1:15 p.m.	Depart via Bus and Return to the Brookings Institution (Eat lunch on bus)
2:00 – 2:50 p.m. <i>Falk Auditorium</i>	Generating Innovation and Fostering Creativity in Large Organizations: Group Discussion
2:50 – 3:00 p.m.	Break
3:00 – 4:00 p.m. <i>Falk Auditorium</i>	From Kyoto to Copenhagen: The Status and Prospects for Global Climate Negotiations <ul style="list-style-type: none">❖ Robert Marlay, Deputy Director, Office of Climate Change Policy and Technology; Deputy Director, US Climate Change Technology Program, Department of Energy
4:00 – 5:00 p.m. <i>Falk Auditorium</i>	Prospects for the Global Climate Negotiations: Perspectives from Advocacy Groups and Think Tanks: Panel Session <ul style="list-style-type: none">❖ Dan Weiss, Senior Fellow and Director of Climate Strategy, Center for American Progress; and❖ Charles Ebinger, Senior Fellow and Director, Energy Security Initiative, Brookings Institution

Friday, June 19, 2009

- 8:00 – 8:30 a.m.**
Stein Room
Brookings
- Breakfast**
- 8:30 – 9:45 a.m.**
Stein Room
- Who's Tracking You – Privacy and Cyber Security in the Digital Age**
- ❖ Ari Schwartz, Vice President and Chief Operating Officer, Center for Democracy and Technology;
 - ❖ Mark Rasch, Managing Director, Technology Practice, FTI Consulting; former Director, Department of Justice, Computer Crimes Unit; and
 - ❖ Thomas Lockwood, Senior Advisor, Department of Homeland Security; former Director, National Capital Region Coordinator, Department of Homeland Security
- 9:45 – 10:00 a.m.**
- Break**
- 10:00 – 11:30 a.m.**
Stein Room
- Food Safety: What's Happening at the FDA and What Needs to Be Done**
- ❖ William Hubbard, Senior Advisor, Coalition for a Stronger FDA; former Senior Associate Commissioner for Policy, Planning and Legislation, Food and Drug Administration, Department of Health and Human Services
- 11:30 – 11:45 a.m.**
- Break**
- 11:45 – 12:45 p.m.**
Stein Room
- Dark Energy and the Future of the Universe: A Big Rip, a Big Collapse or Just a Big Fizzle?**
- ❖ Adam Riess, Astronomer, Space Telescope Science Institute; Professor of Astronomy and Physics, Johns Hopkins University
- 12:45 – 1:30 p.m.**
Somers Room
- Lunch**
- 1:30 – 2:30 p.m.**
Stein Room
- On the Scale of the Climate Problem: Technological Readiness and the Role of Developing Nations**
- ❖ Stephen Pacala, Director, Princeton Environmental Institute; Frederick D. Petrie Professor of Biology, Princeton University
- 2:30 – 2:45 p.m.**
- Break**

Friday, June 19, 2009 (continued)

2:45 – 4:15 p.m.
Stein Room

Controlling Wayward Science: Dangers of Unanticipated Consequences: What, if anything, Should Be Done? **Panel Session**

- ❖ David Goldston, former Staff Director, House Science and Technology Committee; Columnist, *Nature* magazine;
- ❖ Andrew Maynard, Chief Science Advisor, Project on Emerging Nano-Technologies, Woodrow Wilson Center; and
- ❖ Shobita Parthasarathy, Assistant Professor and Co-Director, Science, Technology, and Public Policy Program, Ford School of Public Policy, University of Michigan

4:15 – 4:30 p.m.
Stein Room

Seminar Wrap-up, Evaluation and Awarding of Certificates

- ❖ Peter Schoettle, the Brookings Institution; and
- ❖ Ari Witkin, the Brookings Institution