



The Innovation Policy Saga 2006-2016

**Perspectives on the Past and Future of
U.S. Innovation and Competitiveness as
ITIF Marks its 5th Anniversary**

**The Newseum
Knight Conference Center
Thursday, June 23, 2011**

Did You Know?

Innovation has been responsible for about 75% of the growth in the U.S. economy since World War II.

Did You Know?

Whereas the U.S. ranked first in innovation capacity in 2000, by 2008 it had slipped to 6th place.

Did You Know?

90% of the variation in growth in income per worker across countries is a result of how effectively capital is used, or in other words, innovation.

Did You Know?

China bypassed the United States as the destination for the largest amount of FDI in the world in 2003.

Did You Know?

As a share of GDP, U.S. R&D increased just 3% from 1987 to 2008, while China's grew 110% and Korea's 91%.

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ITIF HONORARY CO-CHAIRS

U.S. Senator Orrin Hatch (UT)

U.S. Senator Mark Warner (VA)

U.S. Representative Darrell Issa (CA)

U.S. Representative Ron Kind (WI)

2:00 PM Opening Remarks

Rob Atkinson, President, ITIF

2:15 PM Keynote Remarks

John C. Lechleiter, Chairman, President, CEO, Eli Lilly and CO.

2:45 PM Audience Q & A

3:00 PM Break

3:15 PM The Innovation Challenge for 2016

Moderator:

Rob Atkinson, President, ITIF

Panelists:

United States Senator Chris Coons, (D-DE)

United States Representative Darrell Issa, (R-CA)

Aneesh Chopra, U.S. Chief Technology Officer

John Engler, President, Business Roundtable, President

Rana Foroohar, Assistant Managing Editor, TIME

Bernard L. Schwartz, Chairman & CEO, BLS Investments

4:50 PM Concluding Observations

Rob Atkinson, President, ITIF

5:00 PM Adjourn

SPEAKERS' BIOGRAPHIES

(in order of appearance)

Robert D. Atkinson

President, ITIF

Dr. Robert D. Atkinson is one of the country's foremost thinkers on innovation economics. With an extensive background in technology policy, he has conducted ground-breaking research projects on technology and innovation, is a valued adviser to state and national policy makers, and a popular speaker on innovation policy nationally and internationally. He is the author of *The Race for Global Innovation Advantage and Why the U.S. is Falling Behind* (Yale, forthcoming) and *The Past and Future of America's Economy: Long Waves of Innovation That Power Cycles of Growth* (Edward Elgar, 2005).

Before coming to ITIF, Atkinson was Vice President of the Progressive Policy Institute and Director of PPI's Technology & New Economy Project. *Ars Technica* listed Atkinson as one of 2009's Tech Policy People to Watch. He has testified before a number of committees in Congress and has appeared in various media outlets including CNN, Fox News, MSNBC, NPR, and NBC Nightly News. He received his Ph.D. in City and Regional Planning from the University of North Carolina at Chapel Hill in 1989.

John C. Lechleiter
Chairman, President and Chief Executive Officer
Eli Lilly and Company

John C. Lechleiter, Ph.D., has served as president and chief executive officer of Eli Lilly and Company since April 2008. He was named chairman of the board of directors in December 2008. In 2001, Lechleiter was appointed executive vice president for pharmaceutical products and corporate development. In 2004, he became Lilly's executive vice president for pharmaceutical operations. And, in 2005, he was named president and chief operating officer and joined the board of directors.

Lechleiter received a bachelor of science degree in chemistry from Xavier University (Cincinnati, Ohio) in 1975. He subsequently studied organic chemistry as a National Science Foundation Fellow at Harvard University, where he received his master's and doctorate degrees. In 2006, Lechleiter received an honorary doctorate of business administration from Marian University (Indianapolis, Indiana).

Lechleiter joined Lilly in 1979 as a senior organic chemist in process research and development and became head of that department in 1982. In 1984, he began serving as director of pharmaceutical product development for the Lilly Research Centre Limited in Windlesham, England.

He returned to the United States in 1986 as manager of research and development projects for Europe. In 1988, he became director of development projects management, and in 1989, he assumed additional responsibility for pharmaceutical regulatory affairs. In 1991, he was named executive director of pharmaceutical product development, and in 1993, he became vice president. He was appointed vice president of regulatory affairs in 1994. In 1996, he was named vice president for development and regulatory affairs, and became senior vice president of pharmaceutical products in 1998.

Lechleiter is a member of the American Chemical Society, Business Roundtable, and Business Council. He serves on the boards of the Pharmaceutical Research and Manufacturers of America (PhRMA); United Way Worldwide; Xavier University; the Life Sciences Foundation; Central Indiana Corporate Partnership; and the 2012 Indianapolis Super Bowl Host Committee. He also serves on the board of Nike, Inc.

Lechleiter and his wife, Sarah, live in Indianapolis, Indiana. They are the parents of three children, Daniel, Andrew and Elizabeth.

Senator Chris Coons
United States Senator, Delaware

After 10 years of service to Delaware's largest county, Chris Coons was elected by the people of Delaware to represent them in the United States Senate in November 2010.

Sworn-in less than two weeks later, Chris immediately got to work during the lame duck session, cosponsoring the James Zadroga 9/11 Health and Compensation Act and the repeal of Don't Ask, Don't Tell. Chris has since built a reputation as a social progressive committed to responsible fiscal moderation eager to find pragmatic, bipartisan solutions to the nation's most pressing challenges. Chief among his priorities is getting more Delawareans back to work — growing the economy by encouraging investments in small businesses and creating jobs.

Chris was entrusted with four critical committee assignments in the 112th Congress – Foreign Relations, Judiciary, Energy and Budget – placing him at the nexus of Democrats' commitment to promoting American innovation and making the United States more competitive in the global market. Chris became the only freshman to be named a subcommittee chair when in February he was named chair of the Foreign Relations Subcommittee on African Affairs.

Chris' election to the Senate capped a decade of successful service in New Castle County government. In four years as New Castle County Council President and six years as New Castle County Executive, Chris earned a reputation for delivering real results on behalf of Delawareans. His leadership successfully protected New Castle County from the least stable national economic climate in decades. Chris balanced six budgets by eliminating wasteful spending and created jobs through innovative public/private partnerships. His Safe Streets partnership removed dangerous parole violators from our neighborhoods and cleaned up 70 of the worst county properties. He also preserved hundreds of acres of open space and fought for an independent ethics commission to make county government more transparent in its business dealings.

Chris' has devoted much of his free time to organizations such as the National Coalition for the Homeless and the education-oriented "I Have a Dream" Foundation. He serves on several boards including First State Innovation, the Bear/Glasgow Boys & Girls Club, and the Delaware College of Art and Design.

Prior to serving as County Executive, Chris worked as an attorney for Delaware-based W.L. Gore & Associates, one of the 200 largest privately held companies in the U.S., where he helped the company expand and create hundreds of jobs. Chris is a graduate of Amherst College with a B.A. in Chemistry and Political Science, and earned his law degree from Yale Law School and a Master's in Ethics from Yale Divinity School. Chris also studied at the University of Nairobi in Kenya.

A longtime New Castle County resident, Chris grew up in the Pike Creek and Hockessin areas and lives in Wilmington with his wife, Annie, and their three children, Michael, Jack, and Maggie.

Congressman Darrell Issa U. S. House of Representatives, California

Darrell Issa is an Honorary Co-Chair of the ITIF Board of Directors. First elected to Congress in 2000, Darrell Issa currently serves on the House Government Reform Committee where he is Ranking Member of the Domestic Policy Subcommittee, the House Permanent Select Committee on Intelligence where he serves as Ranking Member of the Subcommittee on Intelligence Community Management, and the House Judiciary Committee. He is also on a temporary leave of absence from the House Energy & Commerce Committee.

Representative Issa founded Directed Electronics, the Vista, California based industry-leading manufacturer of automobile security and convenience products. Issa has served as Chairman of the Consumer Electronics Association, served as a member of the Board of Governors of the Electronics Industry Association, and as Director of the San Diego Economic Development Association and the Greater San Diego County Chamber of Commerce. In 1994, Issa received the Entrepreneur of the Year Award from Inc. Magazine, Ernst & Young, and The San Diego Union-Tribune.

Darrell Issa is perhaps best known as the leader of the successful effort to recall former California Governor Gray Davis in 2003. In 1996, he also co-chaired the campaign to pass the California Civil Rights Initiative that ended racial and gender preferences and quotas in state contracting and college admissions.

Issa enlisted in the Army during his senior year in high school and attended college on an ROTC scholarship. In the Army, Issa served as a bomb disposal technician, tank platoon commander, computer R&D specialist, and attained the rank of Captain. He is a graduate of Siena Heights University in Adrian, Michigan and serves as a member of the University Board of Trustees. Darrell and Kathy Issa are longtime residents of Vista, California. They have one son, William.

Aneesh Chopra
Chief Technology Officer, Office of Science
& Technology Policy

Aneesh Chopra is the United States Chief Technology Officer and in this role serves as an Assistant to the President and Associate Director for Technology within the Office of Science & Technology Policy. He works to advance the President's technology agenda by fostering new ideas and encouraging government-wide coordination to help the country meet its goals from job creation, to reducing health care costs, to protecting the homeland. He was sworn in on May 22, 2009.

Prior to his appointment, he served as Secretary of Technology for the Commonwealth of Virginia from January 2006 until April 2009. He previously served as Managing Director with the Advisory Board Company, a publicly-traded healthcare think tank. Chopra was named to *Government Technology* magazine's Top 25 in their Doers, Dreamers, and Drivers issue in 2008. Aneesh Chopra received his B.A. from The Johns Hopkins University and his M.P.P. from Harvard's Kennedy School. He and his wife Rohini have two young children.

John Engler
President, Business Roundtable

John Engler is president of the Business Roundtable (BRT), an association of chief executive officers of leading U.S. corporations with a combined workforce of more than 13 million workers and nearly \$6 trillion in annual revenues.

A former three-term governor of Michigan, Mr. Engler most recently was the president and CEO of the National Association of Manufacturers (NAM), the largest industry trade group in America representing small and large manufacturers in every industrial sector and in all 50 states.

As NAM president, Mr. Engler was a leading advocate for the nearly 12 million Americans employed directly in manufacturing, educating the public and policymakers on issues that affect this critical sector of the U.S. economy. He promoted a broad-based agenda for maintaining U.S. competitiveness by lifting unnecessary burdens on manufacturing: excessive taxation and regulation, the high cost of health care, expensive litigation and soaring energy costs. Under his leadership, the NAM helped win adoption of the Central American Free Trade Agreement (CAFTA) in 2005 and actively promotes other beneficial trade agreements. In 2005, he was named vice chairman of the president's Advisory Committee for Trade Policy and Negotiations (ACTPN), the U.S. government's senior trade advisory panel. U.S. Commerce Secretary Carlos M. Gutierrez appointed Mr. Engler to serve on the Deemed Export Advisory Committee in August 2006, reviewing technology transfer policies to promote U.S. competitiveness while ensuring national security. While at NAM, Mr. Engler also focused on competitiveness through innovation, focusing on research and development, implementation of information technology – including in the area of health care – intellectual property rights, visas for skilled foreign workers and education and training.

Mr. Engler sees the looming shortage of skilled manufacturing employees as a growing threat to American competitiveness in the 21st century's high-tech global economy. He is a member of the Commission on the Skills of the American Workforce, formed by the National Center on Education and the Economy, to chart a course for U.S. education and workforce.

As governor, he signed 32 tax cuts into law – saving Michigan taxpayers some \$32 billion – and helped create more than 800,000 new jobs during his tenure, taking Michigan's unemployment rate to a record low. The top priority of his administration was improving education, with a focus on high standards, equity and accountability. Prior to becoming Michigan's 46th governor in 1991, Mr. Engler had served for 20 years in the Michigan legislature, including seven years as state Senate majority leader. Elected in 1970, he was the youngest person ever elected to the Michigan State House of Representatives. In 1990, he became the first sitting legislator elected Michigan governor in more than 100 years.

Mr. Engler serves on the boards of Delta Airlines, Universal Forest Products, the Wolf Trap Foundation and the Annie E. Casey Foundation and is a past chairman of the National Governors' Association. Born in Mt. Pleasant, Mich., in 1948, he graduated from Michigan State University with a bachelor of science in agricultural economics. Later, he earned a law degree from Thomas M. Cooley Law School in Lansing, Mich. He and his wife, Michelle, are parents of triplet daughters born in 1994 – Margaret, Hannah and Madeleine.

Rana Foroohar
Assistant Managing Editor, TIME

Rana Foroohar is an assistant managing editor for TIME, overseeing business and economic coverage in print and online. Previously, Foroohar served as the deputy editor in charge of international business and economics coverage for *Newsweek*.

Foroohar also spent six years as *Newsweek*'s European Economic Correspondent based in London, covering Europe and the Middle East. During this time, she was awarded the German Marshall Fund's Peter R. Weitz Prize for transatlantic reporting. She has also worked as a general editor at *Newsweek*, a reporter for *Forbes* magazine, and as a writer and editor at various other national and international publications. Foroohar graduated in 1992 from Barnard College, Columbia University, with a B.A. in English literature. She is a life member of the Council on Foreign Relations.

Bernard L. Schwartz
Chairman and CEO, BLS Investments LLC

Bernard L. Schwartz is an industrialist, a progressive public policy advocate and a philanthropist. Currently chairman and chief executive officer of BLS Investments, LLC, a private investment firm founded in 2006, Mr. Schwartz served for 34 years as chairman of the board and chief executive officer of Loral Space & Communications, a NYSE-listed producer of satellites and satellite systems, and its predecessor company, Loral Corporation, a leading defense electronics firm. In addition, from 1989 to 2005, Mr. Schwartz served as chairman of the board of K&F Industries, a worldwide leader in the manufacture of wheels, brakes and brake control systems for commercial transport, general aviation and military aircraft. He also served until 2001 as chairman and CEO of Globalstar Telecommunications Limited, a mobile satellite telecommunications network.

Reflecting his interest in American competitiveness and growth, Mr. Schwartz has established programs that promote the development of U.S. economic policy initiatives at a number of think tanks, universities and advocacy organizations, among them the New America Foundation, Third Way, The New School, Johns Hopkins University's School of Advanced International Studies (SAIS), the Council on Foreign Relations, the Asia Society, and the Brookings Institution.

A life-long New Yorker, Mr. Schwartz also serves as a trustee of the New York University Hospitals Center, the New York Historical Society, Thirteen/WNET Educational Broadcasting Corporation and Baruch College and is vice chairman of the New York Film Society.

Mr. Schwartz graduated from City College of New York with a B.S. degree in finance and holds an honorary Doctorate of Science degree from the college.

Recent ITIF Publications on U.S. Innovation and Competitiveness

The Good, The Bad, The Ugly (and the Self-destructive) of Innovation Policy

One From Column A, B, and C: Finding a New Bipartisan Consensus on U.S. Competitiveness and Innovation Policy

The Chain of Logic to Get to a Robust National Innovation and Competitiveness Policy

The Case for a National Manufacturing Strategy

The Atlantic Century: Benchmarking EU & U.S. Innovation and Competitiveness

Innovation Fact Sheet: America Is #6—Does Anyone Care?

University Research Funding: The United States is Behind and Falling

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Economic Doctrines and Policy Differences: Has Washington Been Asking the Wrong Questions?

Innovation Policy on a Budget: Driving Innovation In a Time of Fiscal Constraint



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