



Compete.
Council on
Competitiveness

2017 NATIONAL COMPETITIVENESS FORUM

DINNER

December 14, 2017
6:00–9:30 p.m.

The University Club
1135 16th Street, NW
Washington, D.C. 20036

FORUM

December 15, 2017
8:00 a.m.–3:00 p.m.

The Newseum
Knight Conference Center, 7th Floor
555 Pennsylvania Avenue, NW
Washington, D.C. 20001

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Welcome

On behalf of the board, executive committee and members of the Council on Competitiveness, we welcome you to the 2017 National Competitiveness Forum (NCF).

Each year, the NCF brings together leaders representing every major sector of the economy—industry, academia, labor, national labs and the government—to assess the state of U.S. competitiveness and chart America’s economic path forward.

In 2017, we navigated the transition to a new president and Congress, and continued to find consensus to advance the Council’s robust agenda, while seeking innovative ideas to address new challenges and opportunities that lie ahead for the nation. True to the original intent of our founder, John Young, the Council used its diverse membership to magnify the voice of the private sector to policymakers. This year’s *Clarion Call*—our annual assessment of the nation’s competitiveness and a policy roadmap—is especially relevant and highlights that despite our inherent strengths, a growing number of challenges and economic disruptions remain on the horizon.

Looking toward 2018 and beyond in the innovation space, we will put our words into action yet again with the launch of the National Commission on Innovation and Competitiveness. The Commission will assemble America’s top minds from industry,



Mr. Samuel R. Allen
Chairman and Chief Executive Officer, Deere & Company; and Chairman, Council on Competitiveness



Dr. Michael M. Crow
President, Arizona State University; and University Vice-chair, Council on Competitiveness



Dr. Mehmood Khan
Vice Chairman and Chief Scientific Officer of Global Research and Development, PepsiCo, Inc.; and Industry Vice-chair, Council on Competitiveness



The Honorable Deborah L. Wince-Smith
President & CEO Council on Competitiveness

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academia, labor and national laboratories to create a goal-oriented plan with policy outcomes to sharpen the nation's understanding of a dramatically changing innovation ecosystem, and map out how America can harness these changes to accelerate productivity growth and raise the standard of living. Coupled with our ongoing work exploring economic opportunity in the advanced production space and its implication for the future of work, the Council will continue to lead on issues central to the country's long-term competitiveness.

The 2017 NCF features a series of conversations engaging CEOs, college and university presidents, labor leaders and national laboratory directors, as well as top government officials, on critical aspects of the competitiveness landscape. The Council has an important role to play in ensuring the prosperity of our nation and our fellow Americans. Therefore, we urge your participation in these conversations as they shape the Council's agenda on issues from energy and manufacturing competitiveness, to the future of American innovation, to the skills Americans need to survive and thrive in today's economy.

Thank you for joining us to create an unparalleled competitive advantage for our nation.

Sincerely,

Mr. Samuel R. Allen

Chairman and Chief Executive Officer,
Deere & Company; and
Chairman, Council on Competitiveness

Dr. Michael M. Crow

President, Arizona State University; and
University Vice-chair, Council on Competitiveness

Dr. Mehmoood Khan

Vice Chairman and Chief Scientific Officer of Global
Research and Development, PepsiCo, Inc.; and
Industry Vice-chair, Council on Competitiveness

The Honorable Deborah L. Wince-Smith

President & CEO
Council on Competitiveness

Forum Agenda

MORNING

8:00 Registration and Breakfast

9:00 Opening Remarks

Each year, the Council on Competitiveness hosts the National Competitiveness Forum (NCF); a two-day, C-Suite forum to examine America's competitiveness standing and present opportunities and challenges for U.S. innovation, growth and productivity.

The 2017 NCF seeks to further stimulate discussion and propel new ideas about maximizing American competitiveness under the new administration.

The Honorable Deborah L. Wince-Smith

President & CEO, Council on Competitiveness

[@DWinceSmith](#)

9:15 Where America Stands: The 2017 Clarion Call for Competitiveness

For over thirty years, the Council has addressed national competitiveness comprehensively, examining a range of critical economic issues including research and development, advanced manufacturing, access to capital, high-skilled workforce training, trade and the key role of government in creating a pro-growth environment in which companies compete and Americans prosper. The Council's board of directors will release the *2017 Clarion Call for Competitiveness*, assessing the health of the U.S. economy and updating policy recommendations for the administration and Congress.

Mr. Samuel R. Allen

Chairman and Chief Executive Officer, Deere & Company; and Chairman, Council on Competitiveness

[@JohnDeere](#)

Dr. Michael M. Crow

President, Arizona State University; and University Vice-chair, Council on Competitiveness

[@MichaelCrow](#)

Dr. Mehmood Khan

Vice Chairman and Chief Scientific Officer of Global Research and Development, PepsiCo, Inc.; and Industry Vice-chair, Council on Competitiveness

[@PepsiCo](#)

The Honorable Deborah L. Wince-Smith

President & CEO, Council on Competitiveness

[@DWinceSmith](#)

10:00 Forecasting U.S. and Global Economic Trends

Insights, from Gallup Global Analytics, into major trends that will shape the U.S. and global economies in 2018 and beyond.

Mr. James K. Clifton

Chairman and CEO
Gallup, Inc.

[@Gallup](#)

10:30 Coffee and Networking

11:00 Driving Productivity and Prosperity at the Frontiers of U.S. Innovation

Building on over two decades of leadership in the innovation space, the Council will release its final report capturing insights from a two-year collaboration with the National Science Foundation and announce a major new initiative to capitalize on U.S. ingenuity, imagination, creativity, entrepreneurship and risk-taking—in other words, our ability to be a nation of extreme innovators.

Exploring Innovation Frontiers Initiative: Lessons Learned and A Path Forward

The Honorable France A. Córdova
Director, National Science Foundation
[@NSF](#)

Dr. Holden Thorp
Provost and Executive Vice Chancellor for Academic Affairs, Washington University in St. Louis
[@holdenWU](#)

Dr. Kim Wilcox
Chancellor, University of California, Riverside
[@UCRiverside](#)

Launch of the National Commission on Innovation and Competitiveness—Innovation at the Convergence of the Digital, Genomic, Atomic and Cognitive Revolutions

Dr. Michael M. Crow
President, Arizona State University; and University Vice-chair, Council on Competitiveness
[@MichaelCrow](#)

Dr. Mehmood Khan
Vice Chairman and Chief Scientific Officer of Global Research and Development, PepsiCo, Inc.; and Industry Vice-chair, Council on Competitiveness
[@PepsiCo](#)

Moderator
The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness
[@DWinceSmith](#)

11:45 Turbocharging the Manufacturing Renaissance through Exponential Technologies—A Deloitte / Council Initiative

Featuring the insights of dozens of corporate leaders, the latest collaboration between the Council and Deloitte explores the tremendous disruptions and opportunities in the next generation of manufacturing technologies.

Mr. Mike Fucci
Chairman, Deloitte LLP
[@fucci_mike](#)

12:00 Assessing U.S. Response to the Energy Opportunity

For almost a decade, the United States has seen an unprecedented surge in both non-renewable and renewable energy resources, turning what was once an economic and national security weakness into a strength. Have we leveraged this opportunity at the federal, state and local levels to maximum effect?

Mr. Samuel R. Allen
Chairman and Chief Executive Officer, Deere & Company; and Chairman, Council on Competitiveness
[@JohnDeere](#)

The Honorable Rebecca Blank
Chancellor, University of Wisconsin-Madison
[@BeckyBlank](#)

The Honorable Walter Copan
Undersecretary, Standards and Technology, U.S. Department of Commerce; and Director, National Institute of Standards and Technology
[@usnistgov](#)

Mr. Steve Stevanovich

Founder, President and CEO,
SGS Global Holdings; and Member, Board of
Governors, Argonne National Laboratory
[🐦 @sgstevanovich1](#)

Moderator

Mr. William Bates

Executive Vice President, Council on
Competitiveness
[🐦 @WBates](#)

12:30 Lunch

1:00 Lunch Keynote

Weaving together vivid storytelling and ground-breaking science, *The Body Builders* explores the current revolution in human augmentation, which is helping us triumph over the limitations and constraints we have long accepted as an inevitable part of being human.

Mr. Adam Piore

Journalist, Author of *The Body Builders*
[🐦 @adampiore](#)

1:30 Insights on the Future Drivers of Competitiveness

In a series of fireside chats and TED-style talks, speakers will highlight critical issues impacting the future of the U.S. economy.

Big Data and Data Analytics: How Are the Aerospace and Defense Sectors Evolving?

Dr. Dana (Keoki) Jackson

Vice President and Chief Technology Officer,
Lockheed Martin
[🐦 @LockheedMartin](#)

Delivering America's Energy Future: How Do We Train Our Workforce?

Mr. Nicholas Akins

Chairman, President and Chief Executive Officer,
American Electric Power
[🐦 @AEPnews](#)

Mr. Lonnie Stephenson

International President, IBEW
[🐦 @IBEW](#)

The New Mobility Revolution: Who Is in the Driver's Seat?

Mr. Rehan Chaudri

Retired Principal, Altrinsic Global Advisors, LLC

Dr. Pradeep Khosla

Chancellor, University of California, San Diego
[🐦 @UCSanDiego](#)

Robots Are the Future: Do We Still Need Human Workers?

Mr. Nicholas Pinchuk

Chairman and Chief Executive Officer, Snap-on
Incorporated
[🐦 @Snapon_Tools](#)

**From Bitcoins and Ethereum to Blockchain:
Do We Still Need Print Money in a Cashless
Economy?**

Mr. Jeffery Wernick
Independent Private Investor

**New Frontiers of Medicine: What Doesn't Your
Doctor Know?**

Dr. Victor Dzau
President, National Academy of Medicine
[@VictorDzau](#)

**Ensuring Prosperity and National Security in a
Digital Economy: Are We Cyber-Resilient?**

Dr. Steven Ashby
Director, Pacific Northwest National Laboratory
[@PNNLab](#)

Mr. George Fischer
Senior Vice President and Group President, Verizon
Enterprise Solutions
[@candidGJF](#)

Moderator

Mr. Chad Evans
Executive Vice President, Council on
Competitiveness
[@chadevans1019](#)

3:00 Closing Remarks

The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness
[@DWinceSmith](#)

Speakers and Moderators

Mr. Nicholas Akins

Chairman, President and Chief Executive Officer,
American Electric Power



Nick Akins is chairman, president and chief executive officer of American Electric Power. He is AEP's 11th chairman, 10th president and sixth CEO in the company's more than 100-year history. He is a member of AEP's board of directors and is the

only management representative on the board.

Akins rose through the ranks at both AEP and the former Central and South West Corp. (CSW), which merged with AEP in 2000. Akins began his career in 1982 as an electrical engineer before moving up to positions of increasing responsibility. Prior to being elected president of AEP in December 2010, he served as executive vice president - Generation from 2006 through 2010 with responsibility for all generation activities of AEP's approximately 38,000 MW of generation resources.

Previously, he served as president and chief operating officer for Southwestern Electric Power Company, and held other leadership roles in Energy Marketing Services, Transmission, External Affairs and Industry Restructuring.

A native of Louisiana, Akins received his bachelor's degree in 1982 in electric engineering from Louisiana Tech University in Ruston and a master's degree in electrical engineering in 1986 from Louisiana Tech. Additional training includes executive management programs at Louisiana State University, the University of Idaho and the Reactor Technology Course for Utility Executives at the Massachusetts Institute of Technology. He is a registered professional engineer in Texas.

Akins is a former chairman of the Board of Directors of both the Edison Electric Institute (EEl) and the Electric Power Research Institute (EPRI), and currently serves on both boards. He is a member of the Executive Committee of the Business Roundtable (BRT) and was appointed chair of the BRT's Energy and Environment Committee. Additionally, he is a member of the boards of the Nuclear Energy Institute (NEI), Global Sustainable Electricity Partnership (GSEP), The Columbus Partnership, Columbus Downtown Development Corporation, Nuclear Electric Insurance Limited (NEIL), Fifth Third Bancorp, OhioHealth and the Rock and Roll Hall of Fame and Museum.

Akins and his wife, Donna, live in New Albany, Ohio.

Mr. Samuel R. Allen

Chairman and Chief Executive Officer
Deere & Company; and
Chairman
Council on Competitiveness



Samuel R. Allen is chairman and chief executive officer of Deere & Company, a position he has held since February 2010. He is also a member of the Deere & Company Board of Directors.

Before his present position, Allen was appointed

president and chief operating officer of the company in June 2009. Previously, he served as president, Worldwide Construction & Forestry Division and was responsible for the global operations of John Deere Power Systems. He was also responsible for Deere's intelligent mobile equipment technologies and for Deere's advanced technology and engineering.

He has served as a senior officer of the company since 2001, with additional responsibilities in human resources, industrial relations, and John Deere Credit's global operations.

Since joining John Deere in 1975, Allen had worked in positions of increasing responsibility in the Consumer Products Division, Worldwide Construction & Forestry Division, John Deere Power Systems, and the Worldwide Agricultural Division including managing operations in Latin America, China & East Asia, and Australia.

Allen is a 1975 graduate of Purdue University with a bachelor's degree in industrial management. He is a native of Sumter, South Carolina.

Dr. Steven Ashby

Director

Pacific Northwest National Laboratory



Dr. Steven Ashby has served as the Director of the Pacific Northwest National Laboratory (PNNL) since April 2015. He is responsible for establishing the Laboratory's vision and setting its strategic direction. Under his leadership, PNNL's

exceptional staff are advancing the frontiers of science and addressing complex challenges in energy, the environment, and national security. In particular, the Laboratory is providing national leadership in climate science, the power grid, nuclear nonproliferation, and environmental remediation.

Dr. Ashby previously served as PNNL's Deputy Director for Science and Technology, and was responsible for integrating PNNL's science and technology capabilities to meet national needs. Toward that goal, he led institutional strategic

planning activities, stewarded an \$80M discretionary research portfolio, and promoted Laboratory-wide efforts to elevate PNNL's standing in the broader scientific community. He also oversaw the Laboratory's technology commercialization, government relations, and research integrity functions. He served as a member of DOE's Laboratory Operations Board and was past chair of the DOE National Laboratory Chief Research Officers Working Group, which advises the National Laboratory Director's Council on scientific and programmatic issues.

Before joining PNNL in 2008, Dr. Ashby spent nearly 21 years at Lawrence Livermore National Laboratory (LLNL), ultimately serving as Deputy Principal Associate Director for Science and Technology. He previously oversaw the activities of the 500-person Computing Applications and Research Department. Dr. Ashby was the founding director of LLNL's Center for Applied Scientific Computing, which was established in 1996 and has since matured into one of the world's premier scientific computing research organizations.

Dr. Ashby is widely recognized as a leader in computational science and has worked to advance it as a discipline throughout his career. His research focused on computational mathematics and scalable numerical algorithms; he is considered an expert in polynomial iterative methods and adaptive preconditioning techniques for large sparse linear systems. He has published numerous papers, and he has worked in a variety of areas, including large-scale scientific simulation (with application to electromagnetics and subsurface flow and transport), numerical linear algebra, massively parallel computing, and applied computer and data sciences. He remains active in the computational science community, including participation in the Society for Industrial and Applied Mathematics.

In 2013, Dr. Ashby was elected a Fellow of the American Association for the Advancement of Science in the mathematics section for “exceptional technical contributions and scientific leadership in applied mathematics and computational science, particularly the development of novel numerical methods and robust software for parallel computers, as well as for exemplary service to the field of computational science and engineering.” He also was elected to the Washington State Academy of Sciences in 2013.

He holds a B.S. in Mathematics/Computer Science from the University of Santa Clara. He earned his M.S. and Ph.D. in Computer Science from the University of Illinois at Urbana-Champaign.

Mr. William Bates

Executive Vice President
Council on Competitiveness



William Bates is executive vice president of the Council on Competitiveness and was the founding executive director of the Global Federation of Competitiveness Councils (GFCC). He is currently leading a multi-year initiative to explore the economic

opportunity for manufacturing in the United States created by low-cost, abundant energy. Bill is the chief architect of the Council's National Competitiveness Forum (NCF), the annual C-suite conversation that sets a pro-growth agenda for the U.S. policymakers. He co-authors the Council's *Clarion Call*, released each year at the NCF to identify critical issues affecting America's ability to compete and prosper in the global economy. He is a frequent speaker both nationally and internationally on a range of competitiveness and innovation topics from education to technology policy to advanced manufacturing.

As the first executive director of the GFCC, Bill helped establish and build a network of over 30 competitiveness councils from around the world. He managed the Council on Competitiveness' role as secretariat to the GFCC, oversaw membership engagement and outreach and directed the development of annual policy reports, including *Best Practices in Competitiveness Policy*.

He previously served as director of Government Relations for the United States Telecom Association. Prior to that, he was chief of staff and legislative director to House Commerce Committee member, U. S. Congresswoman Anna Eshoo (D-CA) where he advised the Congresswoman on a wide range of technology issues including telecommunications, biotechnology and intellectual property. Before joining Congresswoman Eshoo, he was an associate with the Washington, D.C.-based public affairs company, Cassidy & Associates. He holds a master's degree in Government from Johns Hopkins University and a bachelor's degree in Government and History from Cornell University.

The Honorable Rebecca Blank

Chancellor
University of Wisconsin—Madison



Blank became chancellor of Wisconsin's flagship university in July 2013, bringing with her a deep commitment to educational excellence and innovation.

Blank is an internationally respected economist who also has spent time in Washington, D.C., working in three different administrations.

Most recently, she served as deputy secretary and acting secretary of the U.S. Department of Commerce under President Obama. She was a member of the Council of Economic Advisers under President Bill Clinton.

Blank brings strong academic credentials to her work as chancellor. From 1999 to 2008 she was dean and professor of public policy and economics in the Gerald R. Ford School of Public Policy at the University of Michigan, where she launched innovations including interdisciplinary graduate programs and an undergraduate public policy major.

Blank also has served on the faculty at Northwestern and Princeton Universities, and was a fellow at the Brookings Institution, a nonprofit public policy research think tank in Washington, D.C.

Blank's commitment to expanding and improving educational opportunities inside and outside the classroom to better prepare students to succeed in a rapidly changing economy has been a hallmark of her tenure at UW. At the same time, she has worked to maintain the university's position as a global leader in innovation and research, and has emphasized the role of the university in nurturing entrepreneurship and driving economic development.

Blank is a frequent speaker on the importance of public research universities. She has been part of a vital national conversation about how to keep these institutions financially stable and thriving.

Her leadership has reinforced UW-Madison's position as one of the world's top 25 universities—a center for education, discovery and research, committed to sharing knowledge and innovation that improves lives in Wisconsin and around the globe.

Blank's deep contributions to academic and policy worlds have been recognized with numerous national and international awards, as well as honorary doctoral degrees. Most recently, the American Academy of Political and Social Science honored her with its Daniel Patrick Moynihan Prize.

A native Midwesterner, Blank earned an undergraduate degree in economics from the University of Minnesota, and a doctoral degree in economics from MIT. She is married to Hanns Kuttner, a senior fellow at the Hudson Institute, a Washington, D.C., think tank. They have one daughter.

Mr. Rehan Chaudri

Retired Principal
Altrinsic Global Advisors, LLC



Rehan Chaudri is a global investor in the technology/ media, energy, and commodity sectors with Peak XV Advisors. He is a retired principal and former portfolio manager, at Altrinsic Global Advisors. Prior to Altrinsic, Mr. Chaudri was a portfolio manager for Lazard Asset Management, on its \$30 billion international diversified and select funds. His previous investment experience includes Brandywine Asset Management's (Legg Mason group company) global and international funds as a Managing Director as well as a Hong Kong-based telecommunications equity research analyst for Morgan Stanley. Mr. Chaudri began his career as a management consultant and worked for Booz, Allen & Hamilton. A graduate of McGill University in Montreal, he received his M.B.A. from the Wharton School.

Mr. James K. Clifton

Chairman and CEO, Gallup, Inc.



Jim Clifton has served as CEO of Gallup, a global leader in consulting and public opinion research and analytics, since 1988. Under his leadership, Gallup has expanded from a predominantly U.S.-based company to a worldwide organization with 30 offices in 20 countries and regions.

Mr. Clifton is the creator of The Gallup Path, a metric-based economic model that establishes the linkages among human nature in the workplace, customer engagement and business outcomes. This model is used in performance management systems

in more than 500 companies worldwide. His most recent innovation, the Gallup World Poll, is designed to give the world's 7 billion citizens a voice in virtually all key global issues.

In June 2015, the Clifton Foundation and Gallup announced a \$30 million gift to the University of Nebraska to establish the Don Clifton Strengths Institute. The gift will support the early identification and accelerated development of thousands of gifted entrepreneurs and future business builders. Mr. Clifton is the author of *The Coming Jobs War* and coauthor of *Entrepreneurial StrengthsFinder*, as well as many articles on global leadership. His blog appears regularly in the Influencer section of LinkedIn and on Gallup.com's Chairman's Blog. He serves on several boards and is Chairman of the Thurgood Marshall College Fund. He has received honorary degrees from Jackson State, Medgar Evers and Bellevue Universities.

The Honorable Walter Copan

Under Secretary, Standards and Technology, U.S. Department of Commerce; and Director, National Institute for Standards and Technology



Dr. Walter Copan was confirmed by Congress as Under Secretary of Commerce for Standards and Technology and NIST Director on October 5, 2017.

As NIST Director, Dr. Copan provides high-level oversight and direction for NIST.

He has had a distinguished and diverse career as a science and technology executive in large and small corporations, U.S. government, nonprofit and other public-sector settings.

Dr. Copan formerly served as president and CEO of the IP Engineering Group Corporation, providing services in intellectual property strategy, technology commercialization and innovation. Until June 2017, he was founding CEO and chairman of Impact

Engineered Wood Corporation, an advanced materials technology company. He also is a founding board member of Rocky Mountain Innovation Partners, where he led technology transfer programs and innovation services on behalf of the U.S. Air Force Academy, U.S. federal labs and academic institutions and helped foster entrepreneurial businesses in the Rocky Mountain West. He also served with the National Advisory Council to the Federal Laboratory Consortium for more than 5 years, providing industry inputs to advance the U.S. economic impacts of the federal laboratory system.

From 2010–2013, Dr. Copan served as managing director of Technology Commercialization and Partnerships at DOE's Brookhaven National Laboratory (BNL). Among his accomplishments were leading the creation and implementation of the new DOE technology transfer mechanism, "Agreement for Commercializing Technology" (ACT), to facilitate collaborations between the federal labs and U.S. corporations. He led the "Startup America" initiative on behalf of DOE for entrepreneurial business creation, and he initiated the DOE's new Small Business Innovation Research-Technology Transfer (SBIR-TT) program, which built upon the experiences of NIST. He served as founding partner and board member of the "Accelerate Long Island" alliance for innovation, economic development and early stage investment.

From 2005–2010, Dr. Copan was executive vice president and chief technology officer at Clean Diesel Technologies, Inc., an international technology development and licensing firm. He spearheaded the company's transformation, growth and listing on NASDAQ (CDTI), as well as the company's subsequent merger. Prior to joining CDTI, Dr. Copan served at the DOE's National Renewable Energy Laboratory (NREL) as Principal Licensing Executive, Technology Transfer. There, he led organizational changes that strengthened relationships with industry and the investment community, and led to the more productive commercialization of energy-related technologies.

After earning dual B.S./B.A. degrees in chemistry and music from Case Western Reserve University in 1975, Dr. Copan began his career in chemicals and materials research at the Lubrizol Corporation (now part of the Berkshire Hathaway Group). He earned a Ph.D. in physical chemistry from Case Western in 1982, and subsequently held leadership positions at Lubrizol in research and development, strategy, business unit management, venture capital, and mergers, acquisitions and strategic alliances in the United States and abroad. As managing director, Technology Transfer and Licensing, from 1999–2003, he was responsible for Lubrizol’s corporate venturing and open innovation, technology strategy, business development, intellectual assets and the technology licensing business.

Dr. Copan is a patent holder, has authored numerous professional publications and presentations, and has served on the boards of many organizations, including the Licensing Executives Society (LES) USA and Canada, where he recently served as regional vice president for LES USA. He has contributed to the U.S. National Academy of Sciences, the Council on Competitiveness, the World Intellectual Property Organization and the United Nations on innovation, technology transfer, energy and economic development matters.

The Honorable France A. Córdoba

Director

National Science Foundation



France A. Córdoba is an astrophysicist and the 14th director of the National Science Foundation (NSF), the only government agency charged with advancing all fields of scientific discovery, technological innovation, and science, technology, engineering and mathematics (STEM) education. NSF is a \$7.5 billion independent federal agency; its programs and initiatives keep the United States at

the forefront of science and engineering, empower future generations of scientists and engineers, and foster U.S. prosperity and global leadership.

Córdoba is president emerita of Purdue University, and chancellor emerita of the University of California, Riverside, where she was a distinguished professor of physics and astronomy. Córdoba was the vice chancellor for research and professor of physics at the University of California, Santa Barbara.

Previously, Córdoba served as NASA’s chief scientist. Prior to joining NASA, she was on the faculty of the Pennsylvania State University where she headed the department of astronomy and astrophysics. Córdoba was also deputy group leader in the Earth and space sciences division at Los Alamos National Laboratory. She received her Bachelor of Arts degree from Stanford University and her doctorate in physics from the California Institute of Technology.

More recently, Córdoba served as chair of the Board of Regents of the Smithsonian Institution and on the board of trustees of Mayo Clinic. She also served as a member of the National Science Board (NSB), where she chaired the Committee on Strategy and Budget. As NSF director, she is an ex officio member of the NSB.

Córdoba’s scientific contributions have been in the areas of observational and experimental astrophysics, multi-spectral research on x-ray and gamma ray sources and space-borne instrumentation. She has published more than 150 scientific papers. She has been awarded several honorary doctorates, including ones from Purdue and Duke Universities. She is a recipient of NASA’s highest honor, the Distinguished Service Medal, and was recognized as a Kilby Laureate. The Kilby International Awards recognize extraordinary individuals who have made “significant contributions to society through science, technology, innovation, invention and education.” Córdoba was elected to the American Academy of Arts and Sciences and is a National Associate of the National Academies.

She is also a fellow of the American Association for the Advancement of Science (AAAS) and the Association for Women in Science (AWIS).

Córdova is married to Christian J. Foster, a science educator, and they have two adult children.

Dr. Michael M. Crow

President

Arizona State University, and
University Vice-chair
Council on Competitiveness



Michael M. Crow is an academic leader and educator, designer of knowledge enterprises, and science and technology scholar. He has been the sixteenth president of Arizona State University since July, 2002. He is guiding the transformation of ASU into one of the nation's leading public metropolitan research universities, an institution that combines the highest levels of academic excellence, inclusiveness to a broad demographic, and maximum societal impact—a model he designed known as the “New American University.” Under his leadership ASU has established major interdisciplinary research initiatives and witnessed an unprecedented academic infrastructure expansion, quadrupling of research expenditures, and attainment of record levels of diversity in the student body.

He was previously professor of science and technology policy and executive vice provost of Columbia University, where he served as chief strategist of Columbia's research enterprise and technology transfer operations. He has been an advisor to the U.S. Departments of State, Commerce, and Energy, as well as defense and intelligence agencies and a number of nation states on matters of science and technology policy and knowledge enterprise design. An elected fellow of the American Association for the Advancement of Science (AAAS)

and National Academy of Public Administration, he is the author of books and articles analyzing knowledge enterprises, science and technology policy and the design of higher education institutions and systems.

Dr. Victor Dzau

President

National Academy of Medicine



Victor J. Dzau is the President of the National Academy of Medicine (NAM), formerly the Institute of Medicine. In addition, he serves as Vice Chair of the National Research Council. He is an internationally acclaimed leader and scientist whose

work has improved health care in the United States and globally. Since arriving at the National Academies, Dr. Dzau has led important initiatives such as the Commission on a Global Health Risk Framework for the Future; the Human Gene Editing Initiative; Vital Directions for Health and Health Care; and the NAM Grand Challenges in Healthy Longevity. His own research laid the foundation for development of a lifesaving class of drugs, ACE inhibitors, used globally to treat high blood pressure and congestive heart failure. He pioneered gene therapy for vascular disease. He is a member of the board of directors of the Singapore Health Services, a former member of the Advisory Committees to the Director of U.S. National Institutes of Health, chaired NIH's Cardiovascular Disease Advisory Committee and is past chair of the Association of Academic Health Centers. Dr. Dzau has previously served as Chancellor for Health Affairs and President & CEO of Duke University Health system. He has received numerous awards including the Max Delbruck Medal from Germany, the Gustav Nylin Medal from the Swedish Royal College of Medicine, the Polzer Prize from the European Academy of Sciences & Arts, the Ellis Island Medal of Honor, and the Distinguished Scientist Award of the American Heart Association.

Mr. Chad Evans

Executive Vice President
Council on Competitiveness



As Council executive vice president overseeing all programs and initiatives, Chad develops and manages the Council's complete policy agenda and workstream, including: creating the Exploring Innovation Frontiers Initiative with the National

Science Foundation and the American Energy & Manufacturing Competitiveness Partnership with the U.S. Department of Energy; helping to launch the National Engineering Forum to elevate attention to the roles engineers and the engineering enterprise play in driving long-term prosperity; building and shepherding the Council's Technology Leadership and Strategy Initiative (TLSI), engaging more than 50 Fortune 500 chief technology officers; and helming CEO-level innovation dialogues with key global partners across Latin America, Europe and Asia.

In particular, Chad has developed and executed a series of global innovation summits: with the EU and Japan in 2005, and more deeply with Brazil over the past decade. In addition to leading the development to date of four US-Brazil Innovation Summits, Chad has co-created 15 US-Brazil Innovation Learning Labs and manages the US-Brazil Bi-National Innovation Platform. He has also co-chaired the President Obama and President Rouseff U.S.-Brazil Innovation Working Group. Chad holds an MS from the Georgetown University School of Foreign Service, an Honors concentration in International Business Diplomacy from Georgetown's Landegger Program, and a BA in International Affairs from Emory University. He is a member of the Texas A&M Engineering Experiment Station Advisory Board; an ARCS Foundation National Science and Engineering Advisory Council member; a US German Marshall Fund Fellow; treasurer for the Global Federation of Competitiveness Councils; a member of the Board

of the India Council on Competitiveness; a steering committee member of the South Big Data Hub; and a past member of the Lawrence Livermore National Laboratory Industry Advisory Council and World Economic Forum Advisory Board on Russian Competitiveness.

Mr. George Fischer

Senior Vice President and Group President
Verizon Enterprise Solutions



George Fischer is president of Verizon Enterprise Solutions (VES). George is responsible for delivering business solutions to Verizon's global enterprise clients in key industries: healthcare and insurance; financial services; technology;

manufacturing and automotive; transportation and distribution; retail; energy and utilities; and the public sector. He leads a team driving sales, operations and marketing focused on strategic solutions in: networking, IT infrastructure, business communications, security and professional services.

Most recently, George served as senior vice president of global sales for VES, leading 2,100 sales professionals in 50-plus countries. In this role, he established customer, segment and product profitability cross-sell strategies, implemented modern sales forecasting and opportunity management processes and drove five quarters of new customer bookings growth. Additionally, George created an integrity council and code of conduct guidelines for all sales and field operations.

George has more than 20 years of senior leadership experience in global sales, service, operations and management. Prior to joining Verizon, he was executive vice president of worldwide sales and services at CA, Inc. overseeing a \$4.4 billion business and a team of 4,700 people in 62 countries. He led the transformation of CA's sales

organization through various business models, delivery platforms and the integration of several acquisitions.

George received his B.A. in information systems and management from Syracuse University. He sits on a number of corporate boards and is a region trustee for the Boys and Girls Club of America, championing digital literacy and science, technology, engineering and math (STEM) instruction.

Mr. Mike Fucci

Chairman
Deloitte LLP



Mike Fucci is Chairman of the Board, Deloitte LLP. As chairman, Mike leads the board of directors in providing governance and oversight as well as guidance on priority matters such as firm strategy, brand positioning, risk mitigation,

talent development, and leadership succession. For the past 33 years, he has been a practitioner and principal at Deloitte, with specialties in human resource transformation, talent strategies, and total rewards.

Mike serves in several leadership positions. He has been a member of the Deloitte LLP board of directors since 2012 and is chairman of the Deloitte Foundation. He also is a member of the Deloitte Touche Tohmatsu Limited (DTTL) board of directors and its Global Governance Committee. In addition, Mike has served Deloitte Consulting LLP as national managing director for Advisory and Services, national managing director for Partner Matters, chief operating officer, and member of Consulting's Executive Committee.

Mike began his career in the New York Actuarial, Benefits and Compensation practice. In 2002, Mike led a transformation of the US Human Capital practice, and in 2009, he took responsibility for

all Consulting service areas during a significant economic downturn. During his career, he led the US Human Capital practice's growth from under \$25 million in revenue to over \$1 billion, and the practice has been among the US firms' top performing businesses. In 2008, Mike was named to Consulting magazine's distinguished "Top 25 Consultants" list for his work with clients and leadership excellence.

Outside of Deloitte, Mike is a thought leader within the HR consulting market, particularly in the areas of talent strategies, succession management, and HR transformation. He has been featured as a Conference Board speaker on HR, compensation, and talent management topics. He was profiled in a Fortune article titled, "Want to move up in the business world? Get a sponsor," which discussed mentorship and leadership development as elements of succession planning.

Mike attended Montclair State University in New Jersey, where he earned a bachelor of science in mathematics. He resides in Far Hills, NJ, with his wife and three children.

Dr. Dana (Keoki) Jackson

Vice President and Chief Technology Officer
Lockheed Martin



Dr. Dana (Keoki) Jackson is the Chief Technology Officer at Lockheed Martin, where he is responsible for the Corporation's advanced technology strategy. As the primary liaison to the US and international science and technology community, he

manages strategic relationships with government, industry and academia to ensure the maturation and deployment of key technologies.

Prior to this role, Dr. Jackson served as the vice president for Program Excellence, where he was responsible for the cross-functional integration of five

corporate councils for engineering and technology, production, program management, supply chain, and sustainment.

Dr. Jackson's previous roles at Lockheed Martin include vice president for Navigation Systems and program manager for Global Positioning System (GPS) III at Lockheed Martin's Space Systems business. In this role, he was responsible for GPS III development and production, on-orbit operations and sustainment support for the GPS IIR and IIR-M constellation, and capture of future Navigation Systems business. He also served as program manager for Space Based Infrared Systems (SBIRS) Geosynchronous Space Vehicle 2 (GEO-2).

Before joining Lockheed Martin, Dr. Jackson was a NASA research fellow at the Massachusetts Institute of Technology (MIT), conducting Space Shuttle flight experiments in the field of human adaptation to the space environment. He graduated from MIT with bachelor's, master's and doctoral degrees in Aeronautics and Astronautics, and he is a graduate of the Stanford Executive Program at the Stanford University Graduate School of Business.

Dr. Jackson is a member of Sigma Xi and the American Institute for Aeronautics and Astronautics.

Dr. Mehmood Khan

Vice Chairman and Chief Scientific Officer of Global Research and Development
PepsiCo, Inc., and
Industry Vice-chair
Council on Competitiveness



Dr. Mehmood Khan, M.D., is vice chairman and chief scientific officer of PepsiCo. In his role, Dr. Khan oversees the PepsiCo global Performance with Purpose sustainability agenda and leads PepsiCo's global R&D efforts, creating breakthrough innovations in food, beverages and nutrition—as well as delivery, packaging and production technology.

Before joining PepsiCo in 2007, Dr. Khan was president, Takeda Global Research & Development Center, overseeing worldwide drug development. Previous to that position, Dr. Khan was a consultant endocrinologist and faculty member at the Mayo Clinic and Mayo Medical School, serving also as the director of the Diabetes, Endocrine and Nutritional Trials Unit in the division of endocrinology. He also spent nine years leading programs in diabetes, endocrinology, metabolism, and nutrition including as Chief of Endocrinology for the Hennepin County Medical Center at the University of Minnesota, where he also served as faculty both in the department of Food Sciences, College of Agriculture and the Medical School.

Dr. Khan serves as a member of the Board of Governors of the New York Academy of Sciences; chairman of the U.S. Pakistan Business Council, U.S. Chamber of Commerce; and industry vice chairman, Council on Competitiveness. His work has been recognized by numerous Industry Awards and invited keynotes.

Dr. Pradeep Khosla

Chancellor
University of California, San Diego



Pradeep K. Khosla, UC San Diego's eighth Chancellor, is an internationally renowned electrical and computer engineer recognized for his seminal contributions in secure software, intelligent robot systems and design. He provides vision and strategy

for the university, leading a campus with more than 35,000 students, six undergraduate colleges, five academic divisions, five graduate and professional schools, a preeminent Health System and the prestigious Scripps Institution of Oceanography.

Khosla has positioned UC San Diego to define the future of the public research university by activating the institution's first-ever Strategic Plan and launching the Campaign for UC San Diego—

an ambitious and bold \$2 billion endeavor—aimed at transforming the university, physically and intellectually. Khosla has expanded college access and affordability for underserved populations, initiated campus-wide interdisciplinary research initiatives to foster collaboration and solve societal challenges, and strengthened university and community relationships and partnerships to drive regional impact. Khosla previously served as Dean of the College of Engineering at Carnegie Mellon University.

Several awards have recognized his leadership in education and research: the ASEE George Westinghouse Award for Education, the W. Wallace McDowell award from IEEE Computer Society, and the ASME Computers in Engineering Lifetime Achievement Award. He is an elected member of the National Academy of Engineering.

Mr. Nicholas Pinchuk

Chairman and Chief Executive Officer, Snap-on Incorporated



Nick Pinchuk is chairman and chief executive officer of Snap-on Incorporated, and serves on its board of directors.

Mr. Pinchuk was named president and chief operating officer in April 2007, when he was also appointed to Snap-

on's board. He was elected chief executive officer in December 2007 and subsequently chairman in April 2009. He joined Snap-on in 2002 as senior vice president and president of Snap-on's Worldwide Commercial and Industrial Group.

Before Snap-on, Mr. Pinchuk was president, global refrigeration operations, a multi-billion dollar business unit of Carrier Corporation, a subsidiary of United Technologies Corporation. Prior to that,

he served in executive, operational, planning and financial capacities within Carrier and United Technologies, including: president, Asia-Pacific air conditioning operations; global vice president, strategic planning; and chief financial officer, Carrier International Corporation. Before joining United Technologies, he was with the Ford Motor Company, where he held various financial and engineering positions. He also served in Vietnam as an officer in the United States Army.

Mr. Pinchuk received an M.B.A. from Harvard, and Master and Bachelor of science degrees in engineering from Rensselaer Polytechnic Institute. He currently serves on the board of directors of Columbus McKinnon Corporation; on the board of directors for the National Association of Manufacturers; on the Board of Trustees of the Manufacturer's Alliance for Productivity and Innovation; on the Senior Advisory Board of the Syracuse University School of Management; and on the Board of Trustees of Carthage College.

Mr. Pinchuk is an outspoken leader on workforce development and technical education and careers. Recognizing his role in the formation of our nation's technical education agenda, the Career and Technical Education Foundation named Mr. Pinchuk National Business Leader of the Year in 2011. SkillsUSA named him Champion of the Year in 2012, recognizing his extensive support for the growth of a skilled American workforce. He was inducted into the 2014 Industry Week Manufacturing Hall of Fame. More recently, the International Technology and Engineering Educators Association recognized Mr. Pinchuk in 2015 for his far-reaching professional contributions.

Mr. Adam Piore

Journalist

Author of *The Body Builders*

Adam Piore is the author of *The Body Builders*, *Inside the Science of the Engineered Human*, a book about what the field of bioengineering is revealing about untapped human resilience and how we might tap into it to cure disease and

augment the human body and mind. Topics include bionics, genetic engineering, regenerative medicine, brain computer interfaces and a wide array of other emerging areas in science. A former *Newsweek* correspondent and editor, Piore has covered Congress, lived in southeast Asia, covered 9-11 from Ground Zero, spent time in Iraq and traveled to the Brazilian Amazon. In recent years, he has specialized in writing about science and business for a wide array of publications, including *Businessweek*, *Fast Company*, *Popular Science*, *MIT Technology Review* and *Nautilus*.

Mr. Lonnie StephensonInternational President
IBEW

IBEW International President Lonnie R. Stephenson was born and raised in Rock Island, Ill., which borders Iowa along the Mississippi River.

He began his apprenticeship as an inside wireman in 1975 and was initiated into Rock Island Local 145 in 1976.

Lonnie was very active in his local union, and was elected vice president in 1984 and then served as president from 1987–1992. As local president, Stephenson implemented many new initiatives, including forming an active community service

committee and getting the local union's building recognized as a Red Cross Disaster Center, which was utilized during flooding of the Quad City area in 1997. He was appointed assistant business agent in 1991 and was elected business manager in 1996. As business manager, Lonnie was very aggressive in organizing, and his membership grew from 700 members to over 1,100 members during his tenure. One of Lonnie's proudest moments as business manager was when a nonunion electrician stopped in his office to ask how he could join the IBEW because it was too strong of a union area and he had to travel for his employer to find work.

Then-International President Edwin D. Hill recognized Lonnie's dedication and appointed him as an International Representative assigned to the Sixth District in 2002.

On September 1, 2010, Lonnie was appointed by President Hill as International Vice President of the Sixth District—which covered Illinois, Indiana, Michigan, Minnesota and Wisconsin—and was elected to a full term at the 38th International Convention in 2011.

On May 27, 2015, Lonnie Stephenson was appointed International President of the IBEW and was elected by delegates to the 39th International Convention a year later.

Mr. Steve StevanovichFounder, President and CEO
SGS Global Holdings; and Member, Board of
Governors, Argonne National Laboratory

Steve Stevanovich is the founder, President and CEO of SGS Global Holdings which holds investments in a number of technology companies in various industries including clean energy.

Prior to founding his own firm in 1997, Stevanovich was the Executive Vice President of Everest Capital Limited, a \$1.4 billion fund management firm. During his five years at Everest Capital, the firm's funds specialized in investments in distressed companies and restructurings. Prior to joining Everest Capital, Stevanovich had over seven years of experience in corporate finance and investment banking, most recently at Ingolsby, O'Connor, Altwell & Company, a leveraged buyout firm in Boston, Massachusetts, where he was involved in analyzing and valuing companies in various industries and negotiating the capital structure and pricing of various transactions.

Stevanovich serves on the Board of Directors for a number of companies. He is also a member of the University of Chicago Board of Trustees, where he sits on a number of committees including the University's Audit Committee, as well as the Investment Committee that manages the University's \$7.5 billion Endowment. He also serves on the Board of Advisors to the University's Master of Science Program in Financial Mathematics.

In 2007, he endowed the Stevanovich Center for Financial Mathematics at the University of Chicago, and in 2015, he endowed the Stevanovich Institute on the Formation of Knowledge, also at the University of Chicago.

Stevanovich holds an AB in Economics from the University of Chicago as well as an MBA from the University's Booth School of Business.

Dr. Holden Thorp

Provost and Executive Vice Chancellor
for Academic Affairs
Washington University in St. Louis



Holden Thorp, Ph.D., became Provost and Executive Vice Chancellor for Academic Affairs at Washington University on July 1, 2013. He holds appointments in the Department of Medicine at the School of Medicine as well as in the Department of

Chemistry in Arts & Sciences.

Thorp joined the university after spending three decades at the University of North Carolina at Chapel Hill where he served as the 10th chancellor from 2008 through 2013.

Thorp began his academic career at the University of North Carolina at Chapel Hill where he earned a B.S. in chemistry. He received a Ph.D. in Chemistry from the California Institute of Technology and completed post-doctoral work at Yale University. He holds an honorary Doctor of Laws from North Carolina Wesleyan College.

Thorp co-founded Viamet Pharmaceuticals, which has drugs in clinical trials for prostate cancer and fungal disease. He is a member of the Board of Directors of Barnes-Jewish Hospital, the Executive Committee of the Board of Trustees of the St. Louis Symphony Orchestra, the Board of Directors of the College Advising Corps, and the Rework America Task Force.

Thorp teaches classes in higher education administration and teamwork in music and science. He is the co-author with Buck Goldstein of *Engines of Innovation* and the forthcoming *Our Higher Calling: Rebuilding the Partnership Between America and its Colleges and Universities* from UNC Press.

Mr. Jeffery Wernick

Independent Private Investor



Jeffrey Wernick is a seasoned independent private investor in various sectors across the global economy.

Mr. Wernick started his career trading options and futures on the CBOE, CBOT and the CME. In 1971 when President Nixon suspended converting

dollars into gold at \$35/ounce, a 15-year-old Mr. Wernick invested his then life savings of \$5,000 into gold stocks, which grew to approximately \$250,000 in 1974 when he entered the University of Chicago and began trading.

After graduating, he went to Salomon Brothers to do quantitative research and trade the firm's and partners' capital. Following Salomon Brothers, Mr. Wernick became the Senior Financial Economist at the National Bank of Detroit (NBD). As the Bank's youngest Senior Officer, he chaired the Risk Management Committee, the Loan Pricing Committee, the ALCO, the Credit Committee and Mortgage Finance. He implemented the earliest known private placements of structured securitization including underlying assets of mortgages, credit card receivables, auto loans, commercial real estate, office buildings and retail real estate.

Following his 18-month tenure at NBD, Mr. Wernick started his own company, AVI Portfolio Services Company, Inc. AVI specialized in risk management, transaction consulting, credit insurance and market maker in tailored, exotic derivative products. In 1984, he sold AVI to the largest insurance company with diversified financial interests.

In 1984, he began focusing on developing the real estate accumulated and opened up a venture capital company specializing in all areas of technology. He also created a hedge fund to manage his own personal wealth and invested in distressed and bankrupt companies, precipitating changes in the operations of the enterprises and the restructuring of their balance sheet.

Some of his notable investments have been in the sharing economy, bank transactions, lending platforms, Bitcoin and Blockchain, biomedical, human genome project, payment systems and biotechnology.

Mr. Wernick is a frequent presenter on finance and economics having spoken at the OCC, Federal Reserve Bank of Chicago, the Federal Home Loan Bank of San Francisco, Harvard University, Stanford University, University of Chicago, among others. He has also advised governments stressed by economic crises, financial system architecture, legal reforms, pension reforms, tax policy and government finance.

Mr. Wernick is a graduate of the University of Chicago with degrees in economics and finance.

Dr. Kim WilcoxChancellor
University of California, Riverside

Kim A. Wilcox was appointed UC Riverside's ninth chancellor in August 2013.

As UC Riverside's chief executive officer, Wilcox oversees a campus of more than 23,000 students, 850 faculty members, and 8,700 academic and administrative

staff members. During his tenure, UC Riverside has seen historic growth across its education, research,

and public service missions, including record improvements in student success, research funding, and philanthropic giving as well as the establishment of new schools of medicine and public policy.

Guided by UC Riverside's long-term strategic plan, Wilcox has initiated an ambitious effort to grow the faculty and the campus's physical facilities. Over the last four years, UCR has grown its faculty by nearly 200, while increasing the racial, ethnic, and gender diversity among incoming faculty members. Likewise, UCR has added or renovated more than 100,000 square feet of building space on campus since 2013 with another \$1 billion in capital projects underway.

During Wilcox's tenure, UC Riverside has become a national model for achieving student success, particularly across socio-economic and ethnic categories. Since 2013, four-year graduation rates at UC Riverside have increased by 11 percentage points and six-year rates by 7 points. UC Riverside is one of the few institutions nationwide that has eliminated graduation-rate gaps across income levels and ethnicity. In 2016, the Association of Public and Land-grant Universities (APLU) recognized this achievement with their "Project Degree Completion Award," which goes to one university nationwide that has demonstrated innovation in student success. Under Wilcox's leadership, UC Riverside became a charter member of the University Innovation Alliance, a collaboration of major public research universities in America seeking to improve student graduation rates and outcomes across all socio-economic and ethnic backgrounds.

Wilcox has been an active participant on a variety of higher education advisory boards and committees. He currently serves on the NCAA Presidential Forum and as a member of the board of directors for the Coalition of Urban Serving Universities. He serves

on the APLU's US-Mexico Committee and previously served as a member of the APLU executive board and chaired the APLU's Commission on Information Management and Assessment.

From 2005 to 2013, he served as provost at Michigan State. Previously, he was dean of the College of Liberal Arts and Sciences at the University of Kansas, from 2002 to 2005, and president and chief executive officer of the Kansas Board of Regents from 1999 to 2002. He also spent ten years as the chair of the Department of Speech-Language-Hearing at the University of Kansas.

A first-generation college graduate, Wilcox attended Michigan State University, where he earned a Bachelor of Arts in audiology and speech sciences. He also holds master's and doctoral degrees in speech and hearing sciences from Purdue University. His research focuses on speech acoustics, and he has directed teaching, research, and service projects funded by the National Science Foundation and the U.S. Department of Education.

The Honorable Deborah L. Wince-Smith
President & CEO
Council on Competitiveness



Deborah L. Wince-Smith is the president & CEO of the Council on Competitiveness, a coalition of CEOs, university presidents, labor leaders and national laboratory directors, committed to driving U.S. competitiveness. She has more than 20 years of experience as a senior U.S. government official, as the first Senate-confirmed Assistant Secretary for Technology Policy in the U.S. Department of Commerce and Assistant Director for International Affairs in the Reagan White House.

Ms. Wince-Smith is the president of the Global Federation of Competitiveness Councils, whose creation she led. Ms. Wince-Smith has served as the vice-chair and chair of the World Economic Forum's Global Agenda Council on Competitiveness and is a member of Japan's Science & Technology in Society Forum Council. She is a member of the Commission on the Theft of Intellectual Property, co-chaired by former Governor John Huntsman and former U.S. Director of Naval Intelligence, Admiral Dennis Blair. Ms. Wince-Smith also serves on Purdue University's Strategic Research Advisory Council. Ms. Wince-Smith was previously a member of the Smithsonian National Board and the Naval Academy Foundation Board. She also serves on the boards of several private-sector organizations.

Ms. Wince-Smith earned a degree in classical archaeology and graduated magna cum laude and Phi Beta Kappa from Vassar College. She earned her master's degree from King's College, Cambridge University, and received an honorary doctorate in humanities from Michigan State University, an honorary doctorate in public administration from the University of Toledo, an honorary doctorate of law honoris causa from the Queens University Belfast, and an honorary doctorate of humane letters honoris causa from Worcester Polytechnic Institute.

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A photograph of three Lockheed Martin engineers in a futuristic control room. They are looking at a tablet displaying a complex, glowing blue and purple data visualization. The room is filled with blue and white mechanical components and cables, creating a high-tech, industrial atmosphere.

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– U.S. News & World Report 2016, 2017 and 2018

For three consecutive years, Arizona State University has been recognized by U.S. News & World Report as the country's "most innovative school," ahead of No. 2 Stanford and No. 3 MIT. ASU is where students and faculty work with NASA to develop, advance and lead innovations in space exploration. This is where Nobel laureates and Pulitzer Prize winners teach master learners. ASU's nationally ranked programs inspire the best-qualified graduates and have positioned the university as a "top-tier" recruiting and hiring institution by more than 50 of the country's leading corporations, according to professional recruiters and rankings services around the world.

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– Global University Employability Survey, 2016

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– U.S. News & World Report, 2018



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TOP: Kosciuszko Bridge, New York | BOTTOM LEFT: Wichita Airport, Kansas
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Thank You

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for its commitment to advancing U.S. competitiveness around the globe by cultivating talent, supporting technology and infrastructure, and encouraging investment.

We wish you continued success for the years to come!

Mark S. Schlissel
President

2017 Council on Competitiveness Event Hosts

The Council on Competitiveness would like to thank those members who graciously hosted our 2017 events.

**January 11
Marysville, OH**

Energy & Manufacturing
Competitiveness Partnership (EMCP)
Agriculture & Consumer Water
Use Dialogue

*Host: Mr. James Hagedorn, Chairman
and Chief Executive Officer, The Scotts
Miracle-Gro Company*



**April 12
Brooklyn, NY**

Advanced Computing Roundtable
Regional Dialogue 1

*Host: The Honorable Steven Koonin,
Director of the Center of Urban
Science and Progress, Professor
of Information, Operations and
Management Sciences, New York
University*



**May 30
Chicago, IL**

Energy & Manufacturing
Competitiveness Partnership (EMCP)
Energy Sector Study

*Host: Mr. Christopher Crane, President
& CEO, Exelon Corporation*



June 6
St. Louis, MO

Exploring Innovation Frontiers Initiative
(EIFI) Midwestern Regional Dialogue

*Host: Dr. Mark S. Wrighton,
Chancellor, Washington University in
St. Louis*



October 24
Livermore, CA

Advance Computing Roundtable
Regional Dialogue 2

*Host: Dr. Patricia Falcone, Deputy
Director, Lawrence Livermore National
Laboratory*



September 20
La Jolla, CA

4th U.S.–Brazil Innovation Summit

*Host: Dr. Pradeep Khosla, Chancellor,
University of California, San Diego*



November 3
Chicago, IL

Energy & Manufacturing
Competitiveness Partnership (EMCP)
Aerospace Dialogue

*Host: Dr. Greg Hyslop, Chief
Technology Officer, The Boeing
Company*



October 11
Livermore, CA

Energy & Manufacturing
Competitiveness Partnership (EMCP)
Steering and Advisory Committee
Meeting

*Host: Dr. William Goldstein, Director,
Lawrence Livermore National
Laboratory*



About the Council on Competitiveness

For more than three decades, the Council on Competitiveness (Council) has championed a competitiveness agenda for the United States to attract investment and talent, and spur the commercialization of new ideas.

While the players may have changed since its founding in 1986, the mission remains as vital as ever—to enhance U.S. productivity and raise the standard of living for all Americans.

The members of the Council—CEOs, university presidents, labor leaders and national lab directors—represent a powerful, nonpartisan voice that sets aside politics and seeks results. By providing real-world perspective to Washington policymakers, the Council's private sector network makes an impact on decision-making across a broad spectrum of issues from the cutting-edge of science and technology, to the democratization of innovation, to the shift from energy weakness to strength that supports the growing renaissance in U.S. manufacturing.

The Council's leadership group firmly believes that with the right policies, the strengths and potential of the U.S. economy far outweigh the current challenges the nation faces on the path to higher growth and greater opportunity for all Americans.

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