

**National Science, Technology, and Security Roundtable
Meeting 7**

September 15-16, 2022

**National Academies' Keck Center
Washington, DC**

SPEAKER BIOGRAPHIES

Robert J. Bernhard was appointed Vice President for Research at the University of Notre Dame in May 2007. In this role, he addresses infrastructure and support of research – the work of faculty, graduate, and undergraduate students alike – and the competition for funding dollars. A graduate of Iowa State University, Bernhard worked from 1973 to 1977 as an engineer with Westinghouse Electric Co. in Baltimore. At the same time, he worked on and earned his master's degree in mechanical engineering from the University of Maryland. He returned to Iowa State in 1977 to pursue his doctorate and to serve on the engineering faculty as an assistant professor of freshman engineering.

After completing his doctoral studies, Bernhard joined the faculty of the School of Mechanical Engineering at Purdue in 1982. He had been affiliated with the Acoustics and Noise Control Research Program at the Ray W. Herrick Laboratories at Purdue and served as its director from 1994 to 2004. He was the director of the Institute for Safe, Quiet and Durable Highways from 1998 to 2007, and served as Purdue's associate vice president for research from 2004 to 2007. Bernhard has directed the research of 52 engineering graduates and is the co-author of more than 170 journal and conference publications on various aspects of noise control engineering, numerical methods, vibrations, and design.

Diana L. Burley is Vice Provost for Research at American University (AU) where she is also Professor of Public Administration and Policy and Professor of IT & Analytics. Named one of *SC Magazine's* Eight Women in IT Security to Watch in 2017 and the 2017 SC Magazine ReBoot awardee for educational leadership in IT security, Dr. Burley is a cybersecurity expert who regularly conducts cybersecurity training for executives across North America, Asia, Europe and the Middle East on managing cybersecurity risk, assessing the threat environment, and strengthening organizational cybersecurity posture.

Honors include: 2016 Woman of Influence- by the Executive Women's Forum in Information Security, Risk Management and Privacy; the 2014 Cybersecurity Educator of the Year; and a 2014 Top Ten Influencer in information security careers. Burley is the sole recipient of both

educator of the year and government leader of the year awards from the Colloquium for Information Systems Security Education and has been honored by the U.S. Federal CIO Council for her work on developing the federal cyber security workforce.

Burley holds a BA in Economics from the Catholic University of America; an M.S. in Public Management and Policy, an M.S. in Organization Science, and a Ph.D. in Organization Science and Information Technology from Carnegie Mellon University where she studied as a Woodrow Wilson Foundation Fellow.

Lynne Chronister is Vice President for Research and Economic Development at the University of South Alabama. She previously served as Assistant Vice Provost for Research at the University of Washington. Prior to her position in Seattle, she was Vice Chancellor for Research at the University of California, Davis and had a Volunteer Clinical Faculty appointment in the Department of Public Health Sciences within the School of Medicine. Previously, Chronister was Director of Sponsored Projects and Research at the University of Utah, Mississippi State University, and the University of South Alabama. She started her career in research administration working for the Vermont Department of Corrections and spent a number of years as a free-lance proposal developer for various schools and agencies.

Chronister has served on numerous international and national task forces, boards, and review committees and is listed in International Who's Who and the Who's Who in Executives and Business. She has co-edited a research administration book, *Research Administration and Management*. She has made numerous presentations to professional groups and universities on university research, strategic planning, collaborative research with industry, research as a tool for economic development, proposal development, compliance, time management, institutional compliance, and many other aspects of research administration. She has served as a principal investigator on a number of state and federal contracts and grants and has served as a reviewer for numerous private and federal grant programs.

Mary Gallagher is a Professor of Political Science at the University of Michigan, where she is also the Director of the Center for Chinese Studies, and a faculty associate at the Center for Comparative Political Studies at the Institute for Social Research. Her research areas are Chinese politics, comparative politics of transitional and developing states, and law and society. The underlying question that drives her research in all of these areas is whether the development of markets is linked to the sequential development of democratic politics and legal rationality. Put simply, she is interested in the relationships between capitalism, law and democracy. Her empirical research in China is used to explore these larger theoretical questions.

Gallagher was a foreign student in China in 1989 at Nanjing University. She also taught at the Foreign Affairs College in Beijing from 1996-1997. She was a Fulbright Research Scholar from 2003 to 2004 at East China University of Politics and Law in Shanghai, China. It was funded by the Fulbright Association and the National Science Foundation. From 2005-2007 she was part of the public intellectual program for the National Committee on US-China Relations, a program that brought together academics and policy makers working on US-China relations.

Denis Simon is Senior Adviser to the President for China Affairs at Duke and Professor of China Business and Technology at Duke's Fuqua School of Business.

Fluent in Mandarin Chinese, Simon has more than four decades of experience studying business, competition, innovation and technology strategy in China. In 2006, he was awarded the China National Friendship Award by Premier Wen Jiabao in Beijing.

Prior to returning to Duke, Simon served as Executive Vice Chancellor at Duke Kunshan University in China (2015-2020). Simon's career included spells as senior adviser on China and global affairs in the Office of the President at Arizona State University; Vice Provost for international affairs at the University of Oregon; and professor of international affairs at Penn State University's School of International Affairs. He also has had extensive leadership experience in management consulting having served as General Manager of Andersen Consulting in Beijing (now Accenture) and the Founding President of Monitor Group China.

Tobin "Toby" Smith is Senior Vice President for Science Policy & Global Affairs at the Association of American Universities. He oversees matters related to science and innovation policy, broader impacts of science, and AAU's international activities. He shares responsibility for matters concerning research costs and other regulatory and compliance issues, including facilities and administrative costs, export controls, scientific openness and security, public access to research results, and technology transfer. He also staffs the AAU Senior Research Officers (SRO) constituent group. Smith previously worked as a federal relations representative for the University of Michigan and for MIT. He began his career on Capitol Hill as a legislative assistant to Congressman Bob Traxler (D-MI).

Smith serves on the Advisory Board of the International Network for Advancing and Evaluating the Societal Impact of Science (AESIS); is a member of the Council of Experts for the NSF sponsored Center for Advancing Research Impact in Society (ARIS); and is co-chair of Engaging Scientists in Engineers in Policy (ESEP), an ad hoc alliance of organizations focused on helping scientists and engineers to effectively engage in the policy making process at all levels of government.

Smith holds a Master's degree in Legislative Affairs from George Washington University, and a Bachelor's degree in General Studies (BGS) from the University of Michigan.

Lora Weiss is the Senior Vice President for Research at The Pennsylvania State University. In her role, she oversees the research of twelve academic colleges, seven interdisciplinary research institutes, the Applied Research Lab, which is a university affiliated research center for the Navy, and offices for sponsored programs, research protections, industry partnerships, technology transfer, innovation, and commercialization. Weiss is also president of the Penn State Research Foundation, which catalyzes the commercial translation of research to application. Penn State consistently ranks among the nation's top 25 research universities, with annual research expenditures of ~\$1 billion.

Prior to serving as senior vice president for research, Weiss spent 13 years at Georgia Tech, where most recently, she served as interim senior vice president and director of the Georgia Tech Research Institute, which is a university affiliated research center for the Army. Prior to

Georgia Tech, Weiss spent 16 years working at Penn State's Applied Research Laboratory advancing research in unmanned and autonomous systems.

Weiss is an accomplished scientist and educator with more than 30 years of experience in higher education. With a background in robotics and unmanned systems, Weiss has been advancing the capabilities of unmanned air, ground, sea surface, and undersea vehicles. Weiss received her Ph.D. in acoustics from Penn State, her master's in mathematics from UCLA, and her bachelor's in mathematics from Boston University.