

OFFICE OF TECHNOLOGY INNOVATION
TECHNOLOGY CONFIRMATION/INNOVATION COUNCIL
BIOGRAPHIES

GUEST MEMBER BIOGRAPHIES

Robin Bedilion, Senior Technical Leader, Electric Power Research Institute

Robin is responsible for coordinating EPRI's Innovation Scouting and Polaris Initiative activities, which monitor worldwide science and technology developments to identify high-value opportunities for potential development, demonstration and eventual deployment in the electricity sector and support proof-of-concept studies and early-stage development activities to explore new ideas and advance innovative technologies as they are discovered by EPRI's experts. She is also responsible for coordinating and conducting Strategic Energy Analysis activities. Prior to joining the Technology Innovation Program, Robin was involved in EPRI's Generation and Environment sectors, performing engineering and economic evaluations, managing studies on the integration of solar energy into fossil power plants, and providing leadership in the Technical Assessment Guide (TAG) Program. Robin holds a BS in Mechanical Engineering from Santa Clara University and an MS in Mechanical Engineering with a focus on Energy Systems from Stanford University.

Kerry Cheung, Electrical Engineer, Office of Electricity Delivery and Energy Reliability, U.S. DOE

Kerry recently joined the U.S. Department of Energy (DOE) as an Electrical Engineer. He is part of the Power Systems Engineering Research and Development division within the Office of Electricity Delivery and Energy Reliability (OE). Prior to his new role, he served as an American Association for the Advancement of Science (AAAS) Science Technology and Policy Fellow (2010-2012) and as an Oak Ridge Institute for Science and Education (ORISE) Fellow (2012-2013) working with OE. In this capacity, he contributed to the development of the Department's first Quadrennial Technology Review, specifically on grid-related technology assessments, co-managed an analytical study on the value of Demand Response and Storage for ancillary services, and helped to improve coordination and collaboration on grid-related activities between DOE offices as a member of the Grid Tech Team. As a ORISE Fellow, Kerry also spent six months detailed to the Office of U.S. Senator Brian Schatz (D-HI). There, he worked on a broad range of issues within the jurisdiction of the Energy and Natural Resource Committee, including organizing a Water and Power Subcommittee hearing on Aging Water Infrastructure. He also crafted a bipartisan, bicameral piece of legislation titled the Utility Energy Service Contracts Improvement Act of 2013 (S.1652). Kerry holds a B.S. in Applied and Engineering Physics from Cornell University and a M.S. and Ph.D. in Electrical Engineering from the Massachusetts Institute of Technology.

Dr. Wayne Lei, Director Research & Development, Portland General Electric

Wayne Lei directs Research and Development at Portland General Electric (PGE) where he helps pursue innovative, sustainable and often unique solutions to issues facing the Company and its customers. Wayne has spent 10 years in nuclear power operations and 14 years in environmental policy development and R&D. Current areas of research include assessing synergies in co-located eco-roofs and photovoltaic panel installations, geologic sequestration of flue gas carbon dioxide and using torrefied biomass to displace coal as fuel. He is also managing the installation of a 5 MW Battery Inverter system onto PGE's grid for testing a variety of "smart grid" applications. For over ten years, he has chaired the Board of the International Sustainable Development Foundation and its principal program – the China U.S. Center for Sustainable Development. Wayne holds the PhD from New York University in Environmental Health; MS from Oregon State University and BA from Oberlin College. Since 1986, he has been certified by the American Board of Health Physics.

Will Slinkard, Engineering Systems Manager, Western Area Power Administration (WAPA)

William has just recently moved in his current role where he is responsible for SCADA Operations, Operations support, NERC and FISMA compliance, Systems and Network Administration. Prior to that he was a member of the SCADA Operations Support team and the Western Network Team.

Marie Rochefort, Transmission Manager, Hydro-Québec

Mrs. Rochefort is in charge of the transmission innovation portfolio at IREQ, which is the research institute of Hydro-Québec. Hydro-Québec generates, transmits and distributes electricity, mainly using renewable energy sources, in particular hydroelectricity. It is one of the biggest electric utilities in North America.

In previous years, she managed a group of 40 researchers in the areas of data communication, measurement systems, networked sensors, data management and information, intelligence systems, power systems analysis and simulation. As a former researcher of information systems, she also has interests in software engineering applied to a research environment.



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Bruce Rogers, Director, Technology Innovation, Tennessee Valley Authority

Bruce Rogers is Director of the Technology Innovation organization at the Tennessee Valley Authority (TVA). He is responsible for managing TVA's strategic research and development activities that enhance the agency's competitiveness and promote national leadership in key technological areas. Mr. Rogers currently leads a team of engineers and scientists that advance understanding and application of innovations in science and technology to help TVA meet future challenges. The primary focus of the research team is advancements in small modular reactor technologies, power delivery technologies, consumer energy efficiency, and electric transportation. Mr. Rogers has authored or co-authored numerous technical papers and articles within his area. He currently serves in advisory leadership positions with the Electric Power Research Institute, the University of Tennessee CURENT Center, the National Electric Energy Testing Research and Applications Center, and is a member of the UTK College of Electrical Engineering and Computer Science Industrial Advisory Board.

Alison Silverstein, Independent Consultant

Alison Silverstein is a consultant, lecturer and writer on electric transmission and reliability, infrastructure security, energy efficiency, smart grid, renewable energy and technology adoption issues. She does extensive work on electric transmission issues for the U.S. Department of Energy, including work as lead author for the Department's National Electric Transmission Congestion Study. Silverstein serves as project manager for the North American SynchroPhasor Initiative, a collaboration between DOE, NERC, EPRI and the electric industry, and facilitated the multi-stakeholder Reliability Standards Working Group in Hawaii. She also advises a variety of private and governmental clients on technology, regulatory and other issues. Silverstein is President of the Board of the American Council for an Energy Efficient Economy and serves on the Board of Economic and Environmental Systems of the National Research Council and the board of the Health Alliance for Austin Musicians. She is a member emeritus of the GridWise Architecture Council. Silverstein worked as Senior Energy Policy Advisor to Chairman Pat Wood, III, at the Federal Energy Regulatory Commission, from July 2001 through July 2004. She was a co-chair of the Electric Systems Investigation for the US-Canada Joint Power System Outage Task Force and principal author of the Interim and Final Blackout Reports. Before moving to the FERC, she worked as Advisor to Chairman Wood at the Public Utility Commission of Texas for six years, covering both electricity and telecommunications matters. Silverstein has also worked for Pacific Gas & Electric Co., ICF Inc., the Environmental Law Institute, and the U.S. Department of Interior. Silverstein has a BA in Economics from the Johns Hopkins University, an MSE in Systems Analysis from Johns Hopkins, and an MBA from Stanford University. She lives with her family near Austin, Texas.

