



Dr. Rita Baranwal

Director - Gateway for Accelerated Innovation in Nuclear (GAIN)

Dr. Rita Baranwal joined INL's Nuclear Science & Technology directorate in August 2016 as the director for the Gateway for Accelerated Innovation in Nuclear (GAIN) initiative.

Before GAIN, Baranwal served as the director of Technology Development and Application at Westinghouse Electric Corporation in Cranberry, Pennsylvania. In that position, she led the creation and development of game-changing technologies and managed characterization and hot cell laboratories to support Westinghouse, its customers and the nuclear power industry. Her previous positions at Westinghouse include director of Core Engineering and manager of Materials and Fuel Rod Design. Prior to joining Westinghouse, she was a manager in the Materials Technology organization at Bechtel Bettis, Inc.

Baranwal was an adjunct faculty member of University of South Carolina's nuclear engineering graduate program from 2010-2012. She holds two patents for materials engineering technology and has co-authored publications related to characterization of irradiation and fabrication process effects on material microstructure and properties. She received her bachelor's degree from MIT in materials science and engineering and her master's degree and Ph.D. in the same discipline from the University of Michigan. She also completed an executive management program at Duquesne University's Beard Institute in 2009.

Baranwal has been an active American Nuclear Society member since 2008 and currently serves on the ANS Materials Science and Technology Division Executive Committee. She also serves on the board of directors for Big Brothers Big Sisters in Pittsburgh and was recently elected to serve on the board of directors for North Hills Community Outreach.

Carol Browner

Leadership Council Member - Nuclear Matters

Carol Browner is Leadership Council Member at Nuclear Matters and Senior Counselor at Albright Stonebridge Group, as well as a member of the Secretary of Energy Advisory Board (SEAB) Task Force on the Future of Nuclear Power.

Browner most recently served as Assistant to President Obama and director of the White House Office of Energy and Climate Change Policy, where she oversaw the



coordination of environmental, energy, climate, transport, and related policy across the federal government.

From 1993 through 2001, Ms. Browner served as the Administrator of the Environmental Protection Agency. As administrator, she adopted the most stringent air pollution standards in our nation's history; set for the first time, a fine particle clean air standard; and spearheaded the reauthorization of the Safe Drinking Water Act as well as the Food Quality Protection Act.

Caroline Cochran

Founder and COO - OKLO

As the founder and COO of Oklo Inc., Caroline Cochran is leading the team towards building a very small advanced reactor generator that can be waste-negative, carbon-negative, and replace the world's dirtiest and least reliable remote power sources. She brings with her a wealth of experience, from being a manager in 16 projects, including 10 start-up projects, to founding 5 different organizations.

Cochran is the first author of several published papers, and currently is an editor for a nuclear energy education and advocacy website. She earned her BA in Economics and her BS in Mechanical Engineering from University of Oklahoma and her MS in nuclear engineering from MIT.

Chris Coons

Senator, D-DE - United States Senate

Chris Coons was elected to the Senate in 2010 following terms as New Castle County Council President and New Castle County Executive. In the Senate, Chris sits on the Appropriations, Judiciary, Foreign Relations, Small Business and Entrepreneurship, and Ethics Committees.

Chris is committed to building a sustainable future for Delaware and the United States through clean energy, innovation, and environmental stewardship. He knows we must invest in an all-of-the-above energy strategy that includes a range of clean energy solutions.

To level the playing field for clean energy projects and open the door to new capital investments, Chris introduced the Master Limited Partnerships Parity Act with Republican Senator Jerry Moran of Kansas. The MLP Parity Act would enable clean



energy projects to utilize the same financing mechanisms currently available to the oil and gas sector.

To expand opportunities for energy efficiency and encourage the federal government to use energy more wisely, Chris teamed up with Republican Senator Cory Gardner of Colorado to introduce the Energy Savings Through Public-Private Partnerships Act of 2015. He's also worked to reauthorize and modernize the Weatherization Assistance Program and the State Energy Program, both of which have been working in Delaware and across the country for more than 40 years.

A longtime New Castle County resident, Chris lives in Wilmington with his wife, Annie, and their three children, Michael, Jack, and Maggie.

Chris M. Crane

President and CEO - Exelon Corporation

Crane is president and chief executive officer of Chicago-based Exelon Corporation, the nation's leading competitive energy provider. Headquartered in Chicago, Exelon does business in 48 states, the District of Columbia and Canada. Crane oversees a family of companies representing every stage of the energy value chain, including Exelon Generation, one of the largest competitive U.S. power generators, with more than 32,700 megawatts of owned capacity comprising one of the nation's cleanest and lowest-cost power generation fleets; Constellation, which provides energy products and services to approximately 2 million residential, public sector and business customers, including more than two-thirds of the Fortune 100; and Exelon's six utilities, which deliver electricity and natural gas to approximately 10 million customers in Delaware, the District of Columbia, Illinois, Maryland, New Jersey and Pennsylvania through its Atlantic City Electric, BGE, ComEd, Delmarva Power, PECO and Pepco subsidiaries.

Crane previously served as president and chief operating officer of Exelon Corporation. In that role, he oversaw one of the U.S. industry's largest portfolios of electric generating capacity, with a multi-regional reach and the nation's largest fleet of nuclear power plants. He directed a broad range of business including major acquisitions, transmission strategy, cost management initiatives, oversight of major capital programs, generation asset optimization and generation development.

Crane has worked in the nuclear industry in progressively more responsible positions for over 30 years. He joined Exelon (then ComEd) in 1998, and was named chief nuclear officer in 2004. He was a key player in the dramatic turnaround of ComEd nuclear performance, and the development of Exelon's proprietary Nuclear



Management Model, a codification of industry-leading operational, safety, management, regulatory, workforce and financial practices. The model is the key to Exelon Nuclear's sustained excellence in production, cost and overall effectiveness.

Crane assumed responsibility for Exelon's fossil, hydro and renewables facilities, in addition to the nuclear fleet, in 2007. He oversaw a broad range of generation and business development initiatives, including new nuclear development, nuclear operating services, development of the nation's largest urban solar project, innovative decommissioning strategies and asset optimization. He was instrumental in establishing corporate citizenship and public outreach as a plant priority.

Crane was named president of Exelon Generation in 2008, with added responsibility for Power Team, Exelon's former wholesale power trading and competitive retail organization (now part of Constellation).

Prior to joining Exelon, Crane served as Browns Ferry site vice president for Tennessee Valley Authority, and worked in new plant start-up at the Comanche Peak Nuclear Power Plant in Texas and Palo Verde Nuclear Generating Station in Arizona.

Jay Faison

Founder and CEO - ClearPath Foundation

Jay Faison is the Founder and CEO of the ClearPath Foundation, whose mission is to accelerate conservative clean energy solutions. Jay is also the Founder and Chairman of SnapAV, a high growth company that designs and distributes more than 2,000 audio-video related products to technology integrators worldwide. SnapAV has been named to the prestigious INC 500/5000 List, which ranks the fastest growing privately held companies in the US, for four years running. In 2013 SnapAV was acquired by General Atlantic, a leading growth equity firm, and Jay donated \$165 million to start the ClearPath Foundation. The success of ClearPath led Politico to name Jay one of the top 50 "visionaries transforming American politics" in 2015.

A serial entrepreneur, Jay has started, managed and sold two businesses prior to SnapAV. In 2013 Jay won the EY Entrepreneur of the Year award for the Southeast region. Jay has served on numerous non-profit boards and is active in his community. Jay graduated with a degree in economics from the University of North Carolina at Chapel Hill in 1990 and received his MBA from University of Virginia's Darden School of Business in 1995. Jay resides in Charlotte, NC with his wife and three children.



Josh Freed

Vice President for the Clean Energy Program - Third Way

After years of alternating between work with technology companies and in politics, Josh sought an opportunity that married both passions. He believes that the only way for the nation to solve complex issues, particularly one like climate change, is to ignore ideology and adopt ideas across the political spectrum. Under Josh's direction, Third Way's Clean Energy Program has helped lead efforts to find pragmatic, post-partisan solutions to the energy challenges in the United States and expand American innovation, particularly in nuclear energy and cleaner fossil fuels. He regularly advises senior federal and state policymakers, and his work has been featured in *The Washington Post*, *NPR*, *National Journal*, *POLITICO*, *The Los Angeles Times* and *Wired*.

Prior to joining Third Way, Josh served for more than a decade as a strategist for public advocacy corporate, and political campaigns and was a senior staffer on Capitol Hill. Most recently, Josh was Vice President at GMMB, a social marketing and advocacy firm, where he advised the senior leadership of the Bill & Melinda Gates Foundation. Before that, Josh ran the Washington, D.C. office and served as the chief policy advisor for Representative Rob Andrews, and was Deputy Chief of Staff for Representative Diana DeGette, a member of the House Energy and Commerce Committee.

Kam Ghaffarian

Founder and CEO - X Energy

Dr. Kam Ghaffarian is a visionary entrepreneur dedicated to creating companies that focus on operating with the highest integrity, promoting employee well-being, and delivering the best technical solutions to customers. Kam founded X-energy LLC in 2009 to address the world's most serious energy and global climate challenges. Through X-energy, he is working to become a world leader by providing next-generation energy solutions that will make a lasting contribution the planet with clean energy technologies.

Kam started his entrepreneurial career in 1994 by founding Stinger Ghaffarian Technologies, Inc. (SGT), a government services company focusing on IT, Engineering, Science Applications, and Mission Operations. SGT has become NASA's second largest engineering services provider, employing over 2,400 people and generating annual revenues of approximately \$500M. Prior to SGT, Kam held numerous technical and management positions at Lockheed Martin, Ford Aerospace,



and Loral, among others. Kam holds a B.S. in Computer Science, a B.S. in Electronics Engineering, a M.Sc. in Information Management, and a Ph.D. in Management Information Systems.

Micah J. Hackett, Ph.D.

Manager, Materials Development - TerraPower

Dr. Micah Hackett is the manager for materials development and qualification for TerraPower. He is directing material optimization, testing and qualification, supplier development for TWR core material supply chain, advanced steel development, and managing programs in materials characterization, welding development, irradiations, mechanical properties testing, and materials design models. Prior to his nearly seven years at TerraPower, Dr. Hackett worked for Naval Reactors at the Knolls Atomic Power Laboratory, where he was awarded the 2009 Young Scientist of the Year Award. He earned his Ph.D. at the University of Michigan in nuclear engineering in 2008.

John L. Hopkins

Chairman & CEO - NuScale Power

John L. Hopkins is Chairman and Chief Executive Officer of NuScale Power, LLC. He has held the CEO position since 2012.

Mr. Hopkins is currently serving as chairman of the board of directors of the U.S. Chamber of Commerce, Washington, D.C.

Prior to joining NuScale Power, Mr. Hopkins held numerous executive positions in his 24 years of service with Fluor Corporation, a Fortune 500 international engineering and construction company.

From 2010 to 2012, Mr. Hopkins served Fluor as group president, Corporate Development and New Ventures Group, responsible for Fluor's strategic planning and global sales and marketing. In this role, Mr. Hopkins led Fluor's Corporate Sales Board, account management activities, new ventures/emerging markets, corporate finance, government relations and corporate affairs, to achieve the company's corporate growth and earning objectives.

From 2005 to 2009, Mr. Hopkins headed Fluor's Government Group (FGG), with P&L responsibility leading the operations groups that provide value-added services to



numerous government agencies, including the United States Departments of Energy, Defense, State, and Homeland Security and the United Kingdom's Nuclear Decommissioning Authority.

Mr. Hopkins has held a variety of senior management, sales and operations roles around the world since joining Fluor in 1988. As group president of Fluor Global Services, Mr. Hopkins was responsible for the global Operations and Maintenance business unit. As president and chief executive officer of TradeMC, LLC, he was responsible for the strategic capital goods sourcing venture jointly owned by Fluor, IBM and Royal Bank of Canada. Additional P&L roles include group president of Corporate Sales & Marketing, Corporate Development and Project Finance; president of Chemicals & Life Sciences; and president of Chemicals, Composites and Textiles.

Active in a variety of professional and civic organizations, Mr. Hopkins is a member of the Nuclear Energy Institute board of directors and senior policy advisor of I Squared Capital, New York. He has also served as the senior executive member of both the Fluor Netherlands and Fluor United Kingdom board of directors, as chairman of the board for Savannah River Nuclear Solutions, LLC, and as a director of the Business Council for International Understanding.

Mr. Hopkins graduated with a BBA from the University of Texas, Austin, and has completed several advanced management programs.

Paul Howarth

CEO - National Nuclear Laboratory, United Kingdom

Paul was appointed as Managing Director of the National Nuclear Laboratory on 1 January 2011.

Paul began his career with an 11 year spell working for the BNFL Group, in a variety of roles within the Research and Technology area, culminating in his being appointed as Programme Director for Advanced Reactors and Head of Group Science and Skills Strategy. He left BNFL to be the co-founder of the Dalton Nuclear Institute at The University of Manchester, prior to joining NNL in 2009.

A Technology Director with a track record of establishing and delivering multi-million pound nuclear energy programs, Paul has a wide understanding and appreciation of the varied drivers in the academic and business worlds. Paul has run large groups and extensive portfolios in both environments and engaged with senior stakeholders across Government, academia and industry. He has a strong knowledge of the research affairs of national and international nuclear organizations.



Nick Irvin

*R&D Manager, Advanced Energy Systems, Research and Technology Management
– Southern Company*

Mr. Irvin is the Research and Development Manager for Advanced Energy Systems in Southern Company's Research and Technology Management department. In this capacity, he is responsible for the evaluation, development, and demonstration and innovative technologies to support Southern Company's operations in the areas of Advanced Nuclear Technology, Hydrogen and alternative energy carriers, technology scouting, and R&D strategy.

From 2003 to 2013, Mr. Irvin served as a Research Engineer leading efforts in all areas of Environmental Control technologies including mercury, acid gas, CO₂ and particulate matter control as well as water treatment and carbon sequestration. In this role, he delivered many strategic projects including Gulf Power's Mercury Research Center and the 25 MW demonstration of CCS conducted in partnership with MHI Ltd, a Japanese conglomerate supplying technology in all areas of power generation. These projects became focal points for the industry's effort to better understand their respective technology, and were widely recognized both nationally and internationally for their contribution to the industry.

In 2015, under Mr. Irvin's leadership, Southern Company Services was selected by the Department of Energy to develop an advanced molten salt reactor concept in partnership with TerraPower, Inc., a Seattle based startup.

Mr. Irvin began his professional career with Southern Company in the Engineering and Construction Services division serving as a Design Engineer supporting the Hatch Nuclear Plant. Later, he transitioned to a role as Construction and Startup Engineer for the installation of two full-scale Selective Catalytic Reduction units at Alabama Power's Plant Miller, before finally transitioning to R&TM in 2003.

He has represented Southern in many external alliances, having served as Chairman of the Utility Air Regulatory Group's Control Technology Committee, and is a representative to the Policy Committee of the Generation IV Nuclear International Forum on behalf of the US nuclear industry.. A recipient of three Technology Transfer Awards from EPRI, Mr. Irvin has demonstrated the ability to lead change through technology innovation throughout his career.

Mr. Irvin was awarded a Bachelor's degree in Chemical Engineering with Honors from the University of Alabama in 2001, a Master's Degree in Chemical Engineering from Auburn University in 2007, and is a registered Professional Engineer in the State of Alabama.



Ross Koningstein

Director Emeritus - Google

Ross leads Google's Advanced Energy R&D group. He is co-author of the IEEE article "What would it really take to reverse climate change" and presented the talk "Why Incremental advances are inadequate to Solving Climate Change" at the 2015 MIT Low-Carbon Energy Workshop.

He previously contributed to Google's RE<C effort and the design of Google's breakthrough high-efficiency data center in The Dalles, Oregon. He was one of the inventors of Google's AdWords, the main revenue driver for the company. Ross joined Google in 2001 as its first Director of Engineering after an entrepreneurial early career. Now an Engineering Director Emeritus, Ross focuses on hands-on engineering work, his first love.

Outside of work, Ross applied his knowledge of energy systems to his home renovation and won the town's Green Building Award. He was an executive producer of the movie "Pandora's Promise". Ross earned a PhD in Aerospace Robotics at Stanford University and a BEng in Electrical Engineering and Computer Science at Carleton University.

Maria G. Korsnick

President and CEO - Nuclear Energy Institute

Maria Korsnick is president and chief executive officer of the Nuclear Energy Institute, the nuclear industry's policy organization in Washington, D.C.

Drawing on her engineering background, hands-on experience in reactor operations and a deep knowledge of energy policy and regulatory issues, Korsnick aims to increase understanding of nuclear energy's economic and environmental benefits among policymakers and the public.

Before joining NEI, she was senior vice president of Northeast Operations for Exelon, responsible for overseeing operation of the Calvert Cliffs 1 and 2, R.E. Ginna, and Nine Mile Point 1 and 2 nuclear power plants.

Before Exelon, Korsnick served as chief nuclear officer (CNO) and acting chief executive officer at Constellation Energy Nuclear Group. She began her career at Constellation in 1986 and held positions of increasing responsibility, including engineer, operator, manager, site vice president, corporate vice president, and CNO.



Korsnick holds a bachelor's degree in nuclear engineering from the University of Maryland, and has held a Senior Reactor Operator license. She lives in Maryland with her husband and two children.

Kenneth N. Luongo

Founder and President - Partnership for Global Security

Kenneth N. Luongo is a recognized innovator, entrepreneur, and leader in global nuclear and transnational security policy. He is the president and founder of the Partnership for Global Security (PGS) and the Center for a Secure Nuclear Future. He has authored nearly 100 articles, been a TEDx presenter, engaged extensively with global media, and briefed governments and audiences around the world on nuclear and transnational security challenges and responses. He served from 1994-1997 as the Senior Advisor to the Secretary of Energy for Nonproliferation Policy and simultaneously as the Department of Energy's Director of the Office of Arms Control and Nonproliferation, Director of the Department of Energy's Russia and Newly Independent States Nuclear Material Security Task Force and Director of the North Korea Task Force. Mr. Luongo also was a Senior Visiting Fellow and Visiting Research Collaborator at Princeton University's Program on Science and Global Security. Prior to these positions, he served as a professional staff member in the U.S. Congress with the House Armed Services Committee, Senator Carl Levin (D-MI), and Senator William Proxmire (D-WI).

Mark Peters

Laboratory Director - Idaho National Laboratory

Dr. Mark Peters is the Director for the Idaho National Laboratory and president of Battelle Energy Alliance. His credentials and experience include leadership and management of large institutions with substantial effort focused on technology research and development. Prior to joining INL, Peters served as Argonne National Laboratory's Associate Laboratory Director for the lab's Energy and Global Security. Peters serves as a senior advisor to the Department of Energy on nuclear energy technologies, research and development programs, and nuclear waste policy.

As a recognized expert in nuclear fuel cycle technologies and nuclear waste management, Peters is called upon frequently to provide expert testimony to Congress and to advise in formulation of policies for nuclear fuel cycles, nonproliferation and nuclear waste disposal. He serves on the American Nuclear



Society's Public Policy Committee and also served on the Executive Committee of its Fuel Cycle and Waste Management Division.

Peters received his Ph.D. in Geophysical Sciences from the University of Chicago and his B.S. in Geology from Auburn University. He has also received extensive management and leadership education and training, including completion of the Strategic Laboratory Leadership Program at the University of Chicago, Booth School of Business.

Rachel Pritzker

President - Pritzker Innovation Fund / Board Member - Third Way

Rachel Pritzker is a Board member of Third Way, as well as President and Founder of the Pritzker Innovation Fund, whose mission is to support the development and advancement of paradigm-shifting ideas to address the world's most wicked problems. The Fund is currently focused on building an eco-modernist approach to climate, energy access, and conservation issues. Pritzker is also the Chair of the Advisory Board of the Breakthrough Institute, an innovative think tank committed to modernizing environmentalism for the 21st century.

Pritzker serves on the board of the Palm Center, a research institute that produces scholarship designed to enhance the quality of public dialogue about critical and controversial policy issues, such as gender and sexuality in the military. She is also a member of The Philanthropy Workshop West. Pritzker previously served as a founding board member of Media Matters for America and a founding board member of the Democracy Alliance, a partnership of business and philanthropic leaders committed to a stronger democracy through supporting progressive organizations. She is also founder and principal of the Festus Group LLC, a venture capital fund that invests in health and technology companies.

Pritzker attended Brown University, where she majored in Latin American studies. She is a clinical nutritionist by training and co-founded the nation's first accredited master's degree program in botanical medicine.



Spencer Reeder

Senior Program Officer, Climate and Energy - Vulcan

Spencer Reeder leads Vulcan's climate and energy work within its philanthropy group.

Spencer's career spans over two decades of academic, government, and private-sector work in domestic and international science, technology, and related policy, including leading USAID's climate work in Vietnam under the agency's Climate Change Resilience Development program. Spencer served as a climate policy strategist within Washington State Governor Christine Gregoire's administration and prior to that conducted geophysical field research in Central Asia, South America, and Antarctica. Spencer is a lead author for the Pacific Northwest Chapter of the 2014 National Climate Assessment and earned an M.S. in Aerospace Engineering Sciences from the University of Colorado at Boulder and a B.S. in Chemical Engineering from the University of Washington. He was twice selected as a finalist for NASA's astronaut program.

Burton Richter

Professor - Stanford University

Burton Richter is the Paul Pigott Professor in the Physical Sciences, Stanford University and Director Emeritus at the Stanford Linear Accelerator Center. His research has centered on experimental particle physics with high-energy electrons and electron-positron colliding beams. He began as a post doc at Stanford University in 1956, became a professor in 1967, and was Director of the Stanford Linear Accelerator Center from 1984 through 1999.

Richter received the Nobel Prize in Physics (1976) and the E. O. Lawrence Medal of the Department of Energy (1976). He is a member of the National Academy of Sciences and the American Philosophical Society; a Fellow of the American Academy of Arts and Sciences, of the American Association for the Advancement of Science, and of The American Physical Society (President, 1994). He was President of the International Union of Pure and Applied Physics (1999-2002).

He has served on many advisory committees to governments, laboratories and universities. He recently served on the Secretary of Energy Advisory Board, Laboratory Operations Board, Nuclear Energy Task Force (2000-2006) and chaired the National Research Council's Board on Physics and Astronomy. Currently, he chairs the Transmutation Subcommittee of the Nuclear Energy Advisory Committee and



serves on the Lawrence Berkeley National Laboratory Advisory Board. He is a member of the French Commissaire a l'Energie Atomique (CEA) Visiting Group and the Jason Group.

He is interested in industry and its use of science and technology and has been a member of the General Motors Science Advisory Committee, chairman of the technology advisory board of an artificial intelligence company, a member of the Board of Directors of Varian Associates and Varian Medical Systems, and AREVA Enterprises, Inc. He is a member of the Board of Directors of Litel Instruments.

He received his BS and PhD from the Massachusetts Institute of Technology in 1952 and 1956, respectively.

Ray Rothrock

Partner Emeritus - Venrock

As a venture capitalist for more than two decades, Rothrock has assisted entrepreneurs in achieving their dreams and produced outstanding financial returns for his limited partners. He has personally discovered, created and guided more than 50 companies in the Venrock portfolio through their early stages of formation and emerging growth. Beginning his professional career as a nuclear engineer he continues his love for “building,” especially companies.

Rothrock also is active in educational and community causes. He currently serves on the Visiting Committee of the MIT Nuclear Science and Engineering Department and the Board of Woodside Priory School. He previously served as Trustee of the Texas A&M Foundation and chaired the investment committee of its \$1 billion endowment. In 2010-2011, Rothrock was an Executive in Residence at Middlebury College, Middlebury, VT, where he taught several economics classes and lectured on energy.

Rothrock earned his B.S. in Nuclear Engineering from Texas A&M University, an S.M. in Nuclear Engineering from Massachusetts Institute of Technology, and an MBA with Distinction from Harvard Business School.



Elizabeth Shuler

Secretary Treasurer - AFL-CIO

As a graduate of the University of Oregon with a degree in journalism, Elizabeth (Liz) Shuler, like many young people today, pieced together part-time jobs, lived at home and struggled to find her way into the world of work. That was in 1992. Since then, Liz has used every job as an opportunity to stand up for the underdog. Today, as secretary-treasurer of the AFL-CIO, the second-highest position in the labor movement, Shuler serves as the chief financial officer of the federation and oversees six administrative departments. Shuler not only is the first woman elected as the federation's secretary-treasurer, she also holds the distinction of being the youngest officer ever to sit on the federation's Executive Council. Shuler was re-elected in 2013 at the AFL-CIO convention in Los Angeles.

Rachel Slaybaugh

Assistant Professor - University of California, Berkeley

Rachel Slaybaugh is an assistant professor of nuclear engineering at the University of California, Berkeley. At Berkeley, Prof. Slaybaugh's research program is based in computational methods and applied to existing and advanced nuclear reactors, nuclear non-proliferation and security, and shielding applications. She received a BS in nuclear engineering from Penn State in 2006, where she served as a licensed nuclear reactor operator. Dr. Slaybaugh went on to the University of Wisconsin-Madison to earn an MS in 2008 and a PhD in 2011 in nuclear engineering and engineering physics along with a certificate in energy analysis and policy. For her PhD, she researched acceleration methods for massively parallel deterministic neutron transport codes. Dr. Slaybaugh then worked with hybrid (deterministic-Monte Carlo) methods for shielding applications at Bettis Laboratory while teaching at the University of Pittsburgh as an adjunct faculty member. Throughout her career, Dr. Slaybaugh has been engaged in Software Carpentry education and training; she also contributes to the open source project [PyNE](#). Prof. Slaybaugh was awarded the 2014 American Nuclear Society Young Member Excellence Award.