

## Civil Nuclear Energy Workshop: Partnering for Implementation

OCTOBER 8-9, 2024 | KNOXVILLE, TN

### SPEAKER BIOGRAPHIES

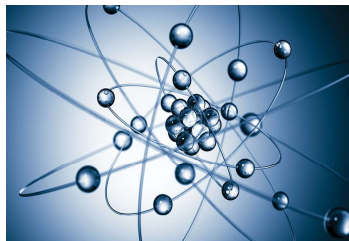
#### **Todd J. Abrajano**

*President & CEO*

*U.S. Nuclear Industry Council*

Todd J. Abrajano is the President & CEO of the U.S. Nuclear Industry Council (USNIC) where he serves as USNIC's chief advocate in its mission to advance the development and implementation of new nuclear technology and services to secure the advanced nuclear supply chain in America and abroad. He previously served as a senior-level presidential appointee at the U.S. Trade and Development Agency as the Chief Operating Officer and Head of Agency, leading USTDA's global export promotion efforts to support U.S. businesses grow jobs and revenue through priority development projects within emerging markets in the energy, transportation, ICT, healthcare, and agribusiness sectors.



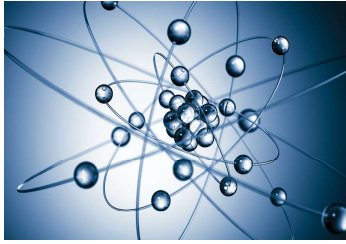


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**Brian Boggs**

*Vice President, Sales – Advanced Nuclear  
GE Hitachi Nuclear Energy*



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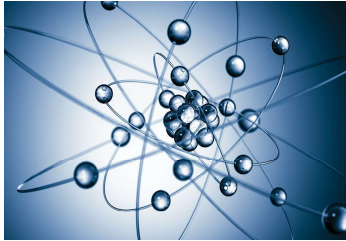
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### **Caleb S. Brooks**

*Associate Professor  
Department of Nuclear, Plasma, and Radiological  
Engineering,  
University of Illinois at Urbana-Champaign*

Dr. Caleb Brooks is an associate professor in the Nuclear, Plasma, and Radiological Engineering Department at the University of Illinois Urbana-Champaign and a Donald Biggar Willett Faculty Scholar. He holds B.S. and Ph.D. degrees in nuclear engineering from Purdue University and has been a member of the UIUC faculty since 2014. As the Director of the Illinois Microreactor RD&D Center, his work is focused on enabling and expanding safe, peaceful uses of nuclear power. Current research activities in this Center include microreactor modeling and simulation, siting analysis, market analysis, instrumentation, operations and reactor control, licensing, and policy. Beyond his work in the Center, Dr. Brooks is also the director of the Multiphase Thermo-fluid Dynamics Lab (MTDL) which specializes in thermo-fluid dynamics of nuclear systems and reactor flows, and hybrid energy approaches for existing and future power systems. He has received the thermal-hydraulics division and society-wide young member research awards from the Atomic Energy Society of Japan, and the Landis Young Member Engineering Achievement Award from the American Nuclear Society.



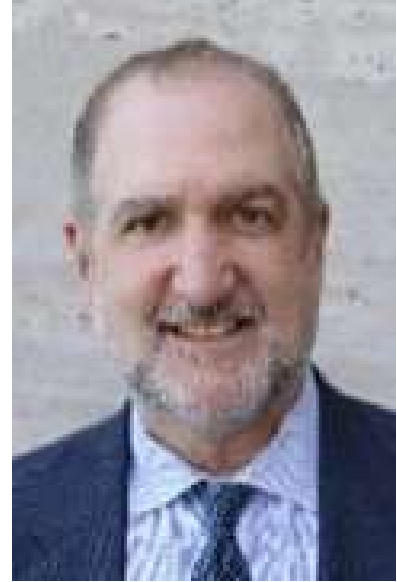


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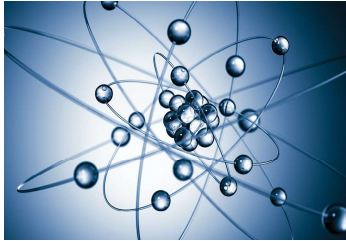
**Milton Caplan**  
*President*  
*MZConsulting Inc.*

With more than 40 years in the nuclear industry, Milt Caplan specializes in advising governments and utilities on how to increase confidence and reduce risk for large energy projects with a focus on managing projects for success. He is currently providing independent oversight of the Darlington Refurbishment Program, the Darlington New Nuclear Project (BWRX-300 SMR) and the Pickering Refurbishment Project to the Ontario Minister of Energy. He is also working on several studies related to developing the skilled nuclear workforce of the future.



Milt is the co-chair of the World Nuclear Association (WNA) Economics and Law Working Group, lectures on nuclear economics and nuclear plant structuring and financing for the World Nuclear University (WNU) and is the author of a pro-nuclear blog addressing issues of interest to the industry.

Milt obtained his Bachelor of Engineering in Nuclear Engineering from Rensselaer Polytechnic Institute in Troy, New York, USA, and an MBA from the University of Toronto.



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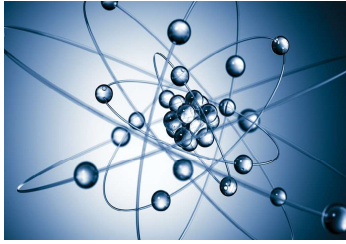
### **Bob Deacy**

*Senior Vice President*

*Tennessee Valley Authority*

Bob Deacy is Senior Vice President of the Clinch River Nuclear Project, TVA's first project pursuit in advanced nuclear technology. The mission of this project is to demonstrate the viability of small modular reactor technology in the United States by designing, licensing, constructing, and operating the GEH BWRX-300 SMR technology at our Clinch River Nuclear Site in Oak Ridge, TN. Deacy's previous role was Senior Vice President of Generation Projects & Fleet Services. In that role, he led a diverse and dynamic team that is responsible for executing major construction and demolition projects, maintaining TVA's buildings and properties portfolio, and providing technical services that support daily plant operations, outages and environmental operations and policy program. He also served as chair of TVA's Project Review Board, ensuring that all TVA organizations were developed and executed projects in alignment with project management principles. Deacy joined TVA in 2007, bringing more than 30 years of experience and knowledge in the energy industry, operations and maintenance, and regulatory affairs. He has a proven track record of successfully leading large-scale projects and plant operations, communicating a clear vision and strategy, and building strong teams and relationships. Over the past twelve years, Deacy has been responsible for overseeing the execution of more than \$10B in capital and O&M projects. Deacy is an avid proponent of continuous improvement, mentoring and developing employees, and fostering a culture that values engagement, trust, and diversity. In addition to his formal education, he has a Certificate of Executive Education Development from Duke University and various certificates from his time in nuclear power plant operations.





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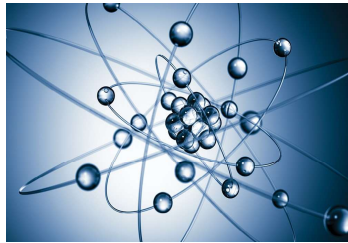
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### **Aaron Epiney**

*Nuclear Thermal-Hydraulics Researcher  
Idaho National Laboratory*

*Dr. Aaron Epiney holds a Ph.D. degree in Physics from the Ecole Polytechnique Federale de Lausanne (EPFL) in Lausanne, Switzerland. Aaron currently works at the Idaho National Laboratory (INL) where he is engaged in the Integrated Energy Systems research area. He helps coordinate the development of the different FORCE tools that are developed at INL to evaluate the technical and economic potential of candidate nuclear IES including Chemicals, Refineries, Data Centers, etc. He also works on cross-program and industry collaborations that include IES application cases and techno-economic evaluations for IES in different potential markets additional to electricity (clean water, hydrogen, etc.).*





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### **The Honorable Enoch T. Ebong**

*Director*

*U.S. Trade and Development Agency*

Enoh T. Ebong is the Director of the U.S. Trade and Development Agency. Nominated by President Biden to serve as USTDA's Director, she was confirmed by unanimous consent of the U.S. Senate. As Director, Ms. Ebong leads USTDA in its efforts to develop sustainable, clean infrastructure and foster economic growth in emerging economies, while also supporting U.S. jobs through the exports of U.S. goods and services.

Ms. Ebong assumed the helm at USTDA after starting her public service at the Agency and rising through the ranks in several roles as a career civil servant, including as General Counsel and as Deputy Director/Chief Operating Officer. As Deputy Director, she led the development and execution of USTDA's international program and oversaw all agency operations.



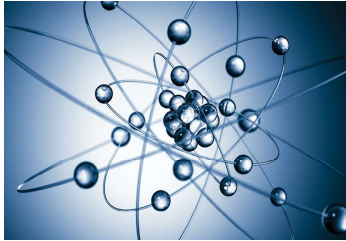
In March 2023, President Biden appointed Ms. Ebong as a Federal government member to serve on the Board of Trustees of the Woodrow Wilson International Center for Scholars.

Ms. Ebong's professional experience includes time in the nonprofit sector, where she served as the Head of Strategic Partnerships at the Milken Center for Advancing the American Dream, with responsibility for driving the development of strategic partnerships to expand access to education, health, financial empowerment and entrepreneurship.

Before joining USTDA, she practiced law at the Boston office of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. representing public and private companies in offerings, financing transactions, mergers and acquisitions, and corporate governance issues.

Ms. Ebong has served on the Boards of the Friends of the National Zoo and the Washington Foreign Law Society. She has also served as an Advisory Board member of Lawyers of Color, which named her to its 4th Annual Power List in 2015; and as a Global Faculty Lead for Atlas Service Corps' Global Leadership Lab.

Ms. Ebong earned her JD from the University of Michigan Law School, a Master of Arts in Communication from the Annenberg School for Communication at the University of Pennsylvania, and a Master of Arts in History, with honors, from The University of Edinburgh, Scotland. She is a member of the Commonwealth of Massachusetts Bar.



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### **The Honorable Chuck Fleischmann**

*Member of Congress*

*U.S. House of Representatives, 3rd District Tennessee*

Congressman Chuck Fleischmann is a conservative Republican representing the **3rd District of Tennessee**. The District is comprised of 10 counties: Anderson, Bradley, Campbell, Hamilton, McMinn, Monroe, Morgan, Polk, Roane, and Scott.

Chuck earned his undergraduate degree in political science from the University of Illinois. He received both Phi Beta Kappa and Magna Cum Laude honors. He then went to the University of Tennessee law school, where he received his Doctor of Jurisprudence. For 24 years, Chuck and his wife ran a small business together in Chattanooga after they both graduated from law school at the University of Tennessee.



Chuck has served on the board of the National Craniofacial Association and the board of the Cherokee Area Council of Boy Scouts of America. He has also served as the president of the Chattanooga Bar Association and chairman of the Chattanooga Lawyers Pro Bono Committee.

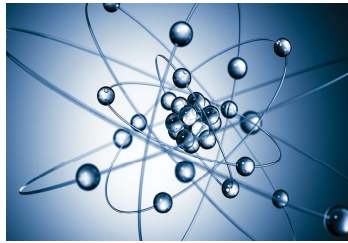
Since taking office, Chuck has a 100% pro-life voting record and continues to support legislation that protects the Second Amendment rights of East Tennesseans.

Chuck serves on the **Appropriations Committee**, which is vitally important to the residents of the 3rd District. Within the Committee, he serves on three crucial subcommittees:

- **Energy and Water Development, and Related Agencies**
- **Labor, Health and Human Services, Education, and Related Agencies**
- **Defense**

As well as serving on the Appropriations Committee, Chuck also sits on the **House Committee on Science, Space, and Technology**. Within the Committee, he serves on the **Energy Subcommittee**.

In the 118th Congress, Chuck was named Chairman of the Energy and Water Subcommittee of Appropriations. As Chairman, Chuck leads the charge to fund the federal agencies and programs responsible for the United States' national laboratories, nuclear security, and energy independence.



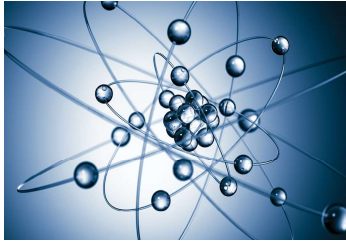
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Chuck's role as Chairman of the Energy and Water Development, and Related Agencies subcommittee allows him to fight for funding for the Chickamauga Lock, a critical East Tennessee infrastructure project. In addition, this subcommittee assignment is of

paramount importance to the northern region of the Third District, which is home to Oak Ridge National Lab, Y-12 National Security Complex, and a large environmental cleanup mission, all of which rely on funds appropriated by this subcommittee.

Chuck and his wife, Brenda, live in Ooltewah, Tennessee, and have three boys: Chuckie, Jamie, and Jeffrey.



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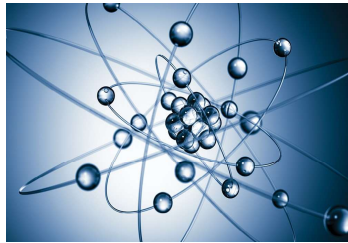
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### **Justin P. Friedman**

*Senior Advisor for Commercial Competitiveness in  
Nuclear Energy  
The Department of State*

Mr. Friedman assumed his duties as Senior Advisor for Commercial Competitiveness in Nuclear Energy in the Bureau of International Security and Nonproliferation (ISN) at the Department of State in September 2021. Previously, he was Deputy Chief of Mission (DCM) at the U.S. Embassy in Sofia, Bulgaria. In Washington, he has served as the Director of the State Department's Office of Caucasus Affairs and Regional Conflicts and Director of the Office of Export Control Cooperation. Other overseas assignments include service as Political Counselor at the U.S. Embassy in Ankara, Türkiye, DCM in Brunei, and positions in Croatia, Canada, and Ukraine. Mr. Friedman also served in Washington as Special Assistant for Caspian Basin Energy Diplomacy and on the Russia Desk. Prior to joining the Foreign Service, Mr. Friedman was Vice President of a Washington, DC-based telecommunications market consulting firm. Mr. Friedman received an M.S. in National Security Strategy from the National War College in 2009. He also holds a B.A. in Economics from the University of California, Berkeley and an M.A. in International Affairs from Columbia University.





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### **Charles Goodnight**

*Vice President, Business Development  
NuScale Power*

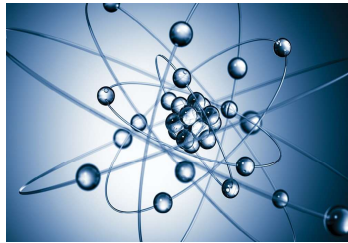
Charles Goodnight, Vice President of Business Development at NuScale Power, is a nuclear industry expert with more than 30 years of experience supporting the global nuclear energy industry, including nuclear plant design companies, public and investor-owned nuclear operating organizations, EPC firms, and institutional organizations such as the International Atomic Energy Agency, EPRI, U.S. Department of Energy Laboratory complex, and international Ministries of Energy.

Prior to NuScale, Mr. Goodnight served as a Partner in the Energy & Utilities practice at Arthur D. Little (ADL), a leading global management consultancy, where he led the firm's global Nuclear Competence Center. Prior to ADL, he founded and led Goodnight Consulting (GCI) for almost twenty years, serving the global electric power industry, with a focus on nuclear power generation. Mr. Goodnight also supported an analysis of plans for revising the International Thermonuclear Experimental Reactor (ITER) Integrated Organization.

Prior to his work in the nuclear power industry, Mr. Goodnight worked as an analyst and simulation developer. In this arena, he worked with the U.S. Department of Defense, U.S. Department of Energy nuclear weapons laboratories, Defense Nuclear Agency, Intelligence Community, and the White House Communications Agency.

Mr. Goodnight holds a Bachelor of Science in government and politics and a Master of Science in computer systems management (combined Master of Business Administration & Computer Science degree), both from the University of Maryland.





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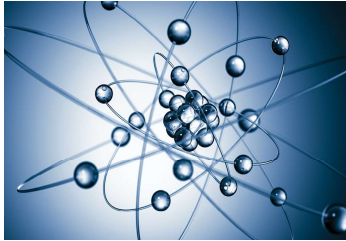
### **Jennifer T. Gordon**

*Director, Nuclear Energy Policy Initiative  
Global Energy Center, Atlantic Council*

Jennifer T. Gordon is the director for the Nuclear Energy Policy Initiative at the Atlantic Council's Global Energy Center. Jennifer was a co-director of the Atlantic Council Task Force on US Nuclear Energy Leadership, and she currently runs the Atlantic Council's Women in Energy and Climate Fellowship. From 2016-2018, Jennifer was a senior energy policy analyst at National Journal's Network Science Initiative. Jennifer has served as a CIA political analyst and has also worked as a freelance writer and TV commentator.



Jennifer earned her PhD from Harvard's History Department and Center for Middle Eastern Studies, after completing a dissertation on early Shia political thought. Jennifer graduated magna cum laude from Wellesley College, with a major in Middle Eastern Studies and a minor in English.



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### **Tom Greatrex**

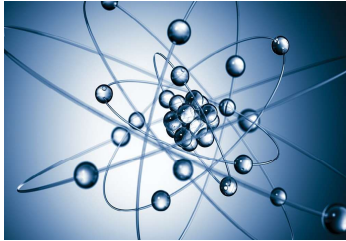
*Chief Executive Officer*

*Nuclear Industry Association (NIA) U.K.*

Tom Greatrex became Chief Executive of the NIA in 2016. Formerly Member of Parliament for Rutherglen and Hamilton West, Tom was shadow energy minister from 2011 – 2015 and served as a member of the Energy Select Committee from 2010 and from 2007-2010 was a policy adviser in the Scotland Office, including on energy.



In a varied prior career, he was a Director of Corporate Affairs for the NHS in Scotland, a chief officer in local government and a GMB trade union official in England. Outside of work his main interests are family, football (Fulham) and film. He is a member of the FA Council, the governing body of English football, vice-chair of the Football Supporters' Association and a school governor.



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### **Stephen Greene**

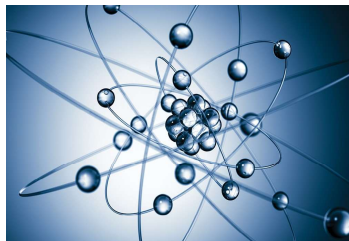
*Senior Fellow*

*Nuclear Innovation Alliance*

Stephen Greene is a Senior Fellow at the Nuclear Innovation Alliance, and an energy and finance executive with extensive experience in commercial and policy issues related to energy.

In addition to his role at the Nuclear Innovation Alliance, Mr. Greene is consultant on energy and finance issues and a Nonresident Senior Fellow at the Atlantic Council Global Energy Center. Through 2019, he held senior finance roles including Chief Financial Officer and head of Corporate Development and Strategy for Centrus Energy, a public company engaged in the sale of nuclear fuel and the development of nuclear enrichment technology. He led strategy for Progress Energy, an investor-owned electric utility, and served as practice-area leader for the consultant Pace Global Energy focused on energy markets and risk management. He arranged project financing for PG&E National Energy Group (U.S. Generating Company), a leading independent-power developer and energy trader, and subsequently developed the company's power-market outlook to support project development. Early in his career he worked at USEPA on air-pollution rules.





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### **H.M. (Hash) Hashemian, Ph.D.**

*President and CEO*

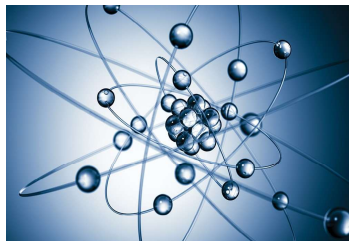
*Analysis and Measurement Services Corporation (AMS)*

H.M. "HASH" HASHEMIAN is President and Chief Executive Officer of Analysis and Measurement Services Corporation (AMS); a nuclear engineering firm headquartered in Knoxville, Tennessee, and operating since 1977 in the United States, Europe, and Asia. His technical and operational vision and leadership have enabled AMS to play a key role in ensuring the safe and cost-efficient operation of virtually every U.S. nuclear power plant, as well as many in Europe and Asia. He has accomplished these successes through the development and delivery of industry-leading instrumentation and control system testing and analysis equipment, training, and services. A globally recognized expert in peaceful applications of nuclear energy for electricity generation and medical diagnostics and treatment, Dr. Hashemian lectures frequently around the world on nuclear power plant instrumentation and control areas. He holds three doctorate degrees in engineering including a Ph.D. in nuclear engineering, a Doctor of Engineering degree in electrical engineering, and a Ph.D. in computer engineering.



Dr. Hashemian is the author of three books titled: Sensor Performance and Reliability, Maintenance of Process Instrumentation in Nuclear Power Plants, and Monitoring and Measuring I&C Performance in Nuclear Power Plants. His books have been translated and published in Chinese, Japanese, Korean, and Russian. In addition, he is the author or co-author of 22 U.S. patents and nearly 400 peer-reviewed journal and magazine articles, conference papers, 9 book chapters, and numerous reports, guideline documents, and standards for the U.S. Nuclear Regulatory Commission, the Electric Power Research Institute, the International Atomic Energy Agency, the International Electrotechnical Commission, and others.

He is a Fellow of the American Nuclear Society, a Fellow of the Institute of Electrical and Electronics Engineers, a Fellow of the International Society of Automation, and a member of the European Nuclear Society. He is also an adjunct professor of nuclear engineering at the University of Tennessee, and an adjunct professor of practice at the Woodruff School of Mechanical Engineering at Georgia Institute of Technology. In 2024, he was elected by the American Nuclear Society as its Vice President (2024-2025) and then President (2025-2026).



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### **Rishi Jain**

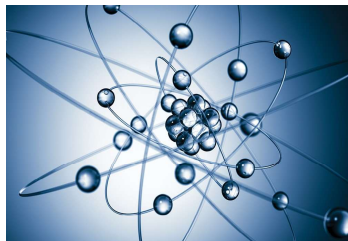
*Managing Director, Business Development & Partner  
Cross River Infrastructure Partners*

Rishi Jain serves as the Managing Director, Business Development, and is a Partner at Cross River Infrastructure Partners. Rishi leads the hydrogen, clean fuels, and nuclear business development activities of the firm and is responsible for all aspects of project origination. Rishi manages commercial processes, stakeholder relations, is closely involved with financial structuring of projects, and is the lead for strategic partner relationships.



Prior to joining Cross River, Rishi was a special-situations and macro analyst at Great Oaks Capital Management, focused on energy, natural resources, and industrials. Rishi also originated and managed the firm's earlier stage investments in new industrial clean-tech and clean-resource companies.

Rishi is a graduate of the Wharton School of Business at the University of Pennsylvania and earned a charter from the CFA Institute.



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### **Ambassador Bonnie Jenkins**

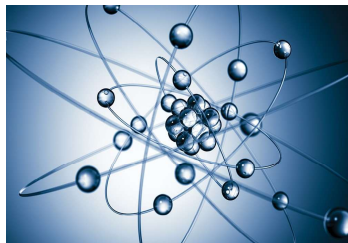
*Under Secretary for Arms Control and International Security  
U.S. Department of State*

Ambassador Bonnie Jenkins, PhD, has served as the Under Secretary of State for Arms Control and International Security since July 22, 2021. As Under Secretary, she oversees three bureaus: the Arms Control, Deterrence and Stability Bureau; the International Security and Nonproliferation Bureau (ISN); and the Political-Military Affairs Bureau. In addition, as of May 2023, Secretary of State Antony Blinken named Under Secretary Jenkins as the senior official to lead the Department's efforts on AUKUS implementation. Jenkins has the honor of being the first African American to serve as an Under Secretary of State.



U/S Jenkins previously served in the Obama Administration as Special Envoy and Coordinator for Threat Reduction Programs in the ISN bureau from July 2009 until January 2017. In that role, Ambassador Jenkins coordinated U.S. government efforts on threat reduction programs alongside international programs that prevent non-State actors with intent to do harm from acquiring chemical precursors, biological pathogens, nuclear material, and radiological sources to develop Weapons of Mass Destruction (WMD). She was also the State Department's lead for all four of the Nuclear Security Summits held from 2010 to 2016, as well as the U.S. Representative to the G7 Global Partnership Against the Spread of Weapons and Materials of Mass Destruction.

From 2014 to 2017, Ambassador Jenkins led diplomatic efforts to promote the Global Health Security Agenda, a group of countries, international organizations, non-government organizations, and private sector companies that build countries' capacity to prevent, detect, and respond to infectious disease threats. During that time, she established the Global Health Security Consortium and the Global Health Security Next Generation Network. As Coordinator, Jenkins also dedicated significant attention to the engagement with Africa to counter WMD threats. In partnership with the U.S. Defense Threat Reduction Agency and U.S. Africa Command, she co-developed the Threat Reduction in Africa program to help ensure that U.S. programs and activities in WMD security are well coordinated and meet the needs of African partners. She also Chaired the International Atomic Energy Agency's International Network for Nuclear Security Training and Support Centers. For her service as Coordinator of Threat Reduction Programs, Ambassador Jenkins was the 2016 ISN Nominee for the Secretary of State's Award for Excellence in International Security Affairs.



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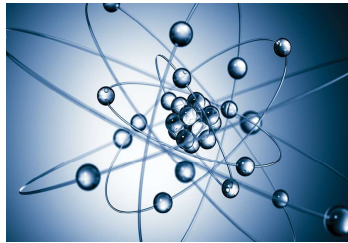
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From its inception in 2017 until April 2021, Ambassador Jenkins was the Founder, Executive Director, and Board Chair of Women of Color Advancing Peace and Security (WCAPS), a leading advocacy organization supporting women of color in the security and peace-building sector. In June 2020, she also founded Organizations in Solidarity, which supports a common vision of a world where all people are treated equally, fairly, and with respect. She also played a pivotal role in the founding of the International Career Advancement Program (ICAP) and has established several mentorship programs. Also, in 2020 – 2021, Jenkins served as the Chair of the Committee on Radioactive Sources: Applications and Alternative Technologies of the National Academies of Sciences.

From 2005 – 2009, Jenkins worked at the Ford Foundation as the Program Officer for U.S. Foreign and Security Policy, and on Conflicts. From 2003 – 2004, she served as Counsel on the National Commission on Terrorist Attacks Upon the United States (9/11 Commission). She was the lead staff member conducting research, interviews, and preparing commission reports on counterterrorism policies in the Office of the Secretary of Defense and on U.S. military plans targeting al Qaeda before 9/11. Prior to that, Ambassador Jenkins served as General Counsel to the U.S. Commission to Assess the Organization of the Federal Government to Combat the Proliferation of Weapons of Mass Destruction and worked at the Rand Corporation focusing on Middle East weapons of mass destruction issues. From 1990 – 1998, U/S Jenkins was a Legal Adviser to the U.S. Arms Control and Disarmament Agency where she provided advice to U.S. ambassadors and delegations negotiating arms control, disarmament, and nonproliferation of weapons of mass destruction and conventional weapons treaties. Ambassador Jenkins also worked with the administration to achieve advice and consent to treaties and conventions and provided legal advice to related treaty implementation organizations.

Jenkins is a retired U.S. Naval Reserve Officer and has received numerous awards for her military service. From 2006 – 2007, she was called-up for active-duty support of Operation Enduring Freedom at U.S. Central Command where she was the team lead for WMD and Theater Ballistic Missile (TBM) Target Development Teams, and a Certified Target Developer. Jenkins also held leadership positions in the Interallied Confederation of Reserve Military Officers (CIOR).

Ambassador Jenkins has been an adjunct professor at Georgetown University Law School, Georgetown University School of Foreign Service, George Washington University Elliott School of International Affairs, the Frank Batten School of Leadership and Public Policy at the University of Virginia, The University of Texas at Austin Lyndon B. Johnson School of Public Affairs, and The University of Minnesota Hubert Humphrey School of Public Affairs. Jenkins assisted in designing and leading arms control and nonproliferation



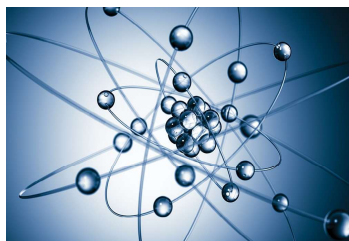
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simulation courses at Stanford University and in designing simulations at the University of Pennsylvania and Spelman College.

From 2017 to 2020, Ambassador Jenkins was a Nonresident Senior Fellow at Brookings Institution. In 2017 she was a Senior Fellow at the Perry World House at the University of Pennsylvania and from 2018 – 2020 was a Visiting Scholar at the University of Pennsylvania School of Nursing and School of Veterinary Science. She was also a pre-doctoral fellow at the Belfer Center for Science and International Affairs at the John F. Kennedy School of Government, Harvard University. During her years at the Belfer Center, she also worked at Harvard Law School in the Bernard Koteen Office of Public Interest Advising as an advisor to law students on legal jobs in the public sector. Ambassador Jenkins has a Ph.D. in International Relations from the University of Virginia; an LL.M. in International and Comparative Law from the Georgetown University Law Center; an M.P.A. from the State University of New York at Albany; a J.D. from Albany Law School; and a B.A. from Amherst College. She also attended The Hague Academy for International Law and is a member of the New York State Bar.

In 2023, Jenkins became an Honorary Member of the Delta Sigma Theta Sorority.



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### **Jason Johns**

*Energy Climate Expertise Director for Core Energy  
Technology Expertise  
Dow Energy & Climate Technology Center*

Jason (Jay) Johns serves as the Energy Climate Expertise Director in Dow's Energy & Climate Technology Center. In this role he leads a team focused on decarbonization through technology, policy, energy efficiency, and strategy. The team is involved in efforts such as Dow's decarbonization investments, energy efficiency projects, climate and energy reporting, product carbon footprint, verified carbon reductions, and collaborating with government agencies.

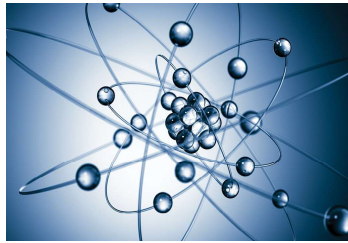


Jay previously served as Environmental Expertise Director within Dow's EHS&S Technology Center. In that role, he was responsible for implementing Scope 1 GHG emissions reporting under TCFD recommendations. He also led subject matter experts in environmental reporting and regulatory affairs.

Prior roles within Dow included North America Responsible Care Leader for Dow Coating Materials where Jay provided EHS oversight for nine sites in North America and improved programs and processes to assist sites in meeting safety targets. He also served as Global EH&S Leader for Dow External Manufacturing Services, where he successfully developed and implemented Dow's Global EH&S Standard for External Manufacturing and Dow's Fundamental EH&S Expectations for external manufacturers working with Dow. Jay also led a team of global auditors focused on risk management associated with external manufacturing.

Jay joined Dow in 2007 in Texas as the Responsible Care/EH&S Delivery Leader for the Gulf Coast Pipeline team providing EH&S leadership. In 2009 he became a subject matter expert within Dow's Operations Regulatory Services where he provided regulatory support to Dow's North American operations as well as advocacy towards Dow's interests related to regulatory changes at both the state and federal level.

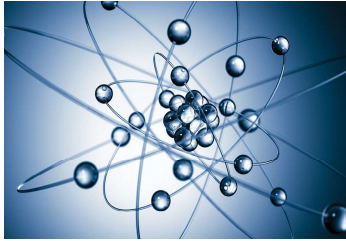
Prior to joining Dow Jay worked for Celanese Acetate LLC in Narrows, Virginia as an Environmental Engineer before being promoted to the site's EH&S Section Leader. In that role he was accountable for the overall EH&S compliance at the site including environmental, safety, industrial hygiene, medical, security and process safety.



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Jay holds a bachelor's degree in environmental science from Virginia Polytechnic Institute and State University. Jay and his wife Laura, along with their two children reside in Knoxville, TN. In his spare time, he enjoys running, travel, and outdoor activities.



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### **Sydney McNiff Johnson**

*President*

*Galena Strategies LLC*

Sydney McNiff Johnson is an accomplished executive with extensive public sector and government experience. She is a strategic thought leader at the national and international level in energy, climate and technological areas.

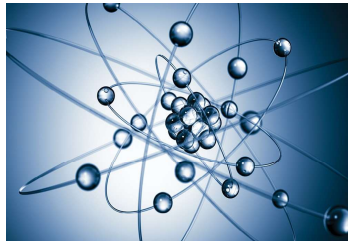
Johnson serves as the President of Galena Strategies LLC, an energy consultancy firm. She also consults to Dentons US LLP, where she formerly served as Principal, and helped grow the energy practice from 12 offices in 2 countries to over 125 offices in 80 countries, working with teams to assimilate top energy companies into one practice.



As a C-Suite executive, she led the negotiations with the Russian Federation to import fissile material from 10,000 decommissioned nuclear warheads into the United States for a \$2 billion revenue company listed on the NYSE. In addition, she was responsible for all corporate communications and government relations, including union negotiations and implementing operations at two of the largest Dept. of Energy complexes in the U.S.

Johnson was a co-founder of the U.S. Nuclear Transportation Council, now U.S. Nuclear Industry Council; the leading nuclear association for a continued strong U.S. nuclear fleet, development and deployment of Advanced Reactors, new technologies and exportation of U.S. nuclear goods. She serves on the Back End Working Group of the USNIC as well as the Strategic Initiatives Taskforce. As the Vice Chairman of the Department of Commerce's Civil Nuclear Trade Commission (CINTAC), she participated on the U.S. Delegation in the 123 negotiations in Vietnam and China for US nuclear export technology in 2014.

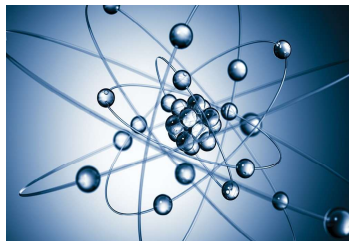
Sydney has also helped clients with FEMA, the National Security Council, the Environmental Protection Agency, the Nuclear Regulatory Commission, FERC, the Departments of Defense and Energy and other agencies to facilitate strategic solutions. Sydney's ability to negotiate with engineers, technical experts, and international regulators lends to tremendous shareholder value. She has worked funding, permitting, regulatory and environmental matters for construction of highways, power plants, mines, subway systems and airports.



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Sydney serves as an Ambassador to the Department of Energy for the C3E program, promoting women in clean energy. She serves as Vice Chair of the National Fish and Wildlife Foundation Board of Directors, currently implementing \$2.5 billion of assets in the Gulf coast states to remediate environmental and wildlife damage from the Transocean Oil Spill.



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### **Maria Korsnick**

*President & 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., a role she has held since January 1, 2017.

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.

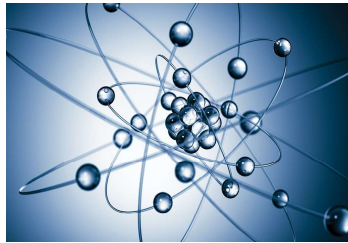


The Export-Import Bank of the United States has appointed her to its Advisory Committee and its Council on China Competition; and the U.S. Department of Energy has appointed her to its Nuclear Energy Advisory Committee. She also serves as a member of the board of directors of the U.S. Energy Association; National Energy Foundation; Center for Energy Workforce Development; and the Foundation for Nuclear Studies. She also serves as a trustee of the Nuclear Power Labor Management Cooperation Committee Trust and vice chair of the University of Maryland Department of Mechanical Engineering Visiting Committee.

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 they are the parents of two adult children.



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### **Carl B. Kress**

*Regional Director Middle East, North Africa, Europe and  
Eurasia*

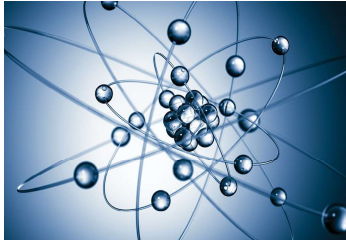
*U.S. Trade and Development Agency*

Carl B. Kress is Regional Director for USTDA's programs in the Middle East, North Africa, Europe and Eurasia. As Regional Director, Mr. Kress is responsible for developing and implementing the USTDA economic development program throughout these regions. He is also the Leader of USTDA's worldwide Energy Sector Team and Co-Leader of the worldwide Healthcare Sector Team.



Before joining the agency in 2001, Mr. Kress held legal and legislative positions in government and the private sector. His previous experience includes serving as counsel at the U.S. International Trade Commission, as an attorney with an international law firm where he focused on international trade matters, and on the staffs of members of the U.S. Senate and House of Representatives.

Mr. Kress holds a B.A. degree from the University of California, Berkeley and his law degree from the University of California, Los Angeles. He also holds an LL.M. degree in German law from the University of Hamburg, Germany.



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### **Carol Lam**

*DNNP Project Director  
Ontario Power Generation*

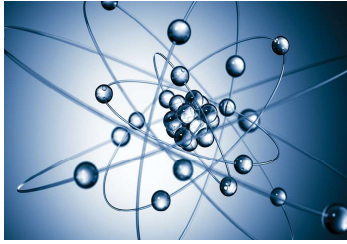
Carol Lam is the Project Director for the Darlington New Nuclear Project at Ontario Power Generation (OPG) where she leads the overall integration of the project execution and functional teams across the 4-partner Integrated Project Delivery (IPD) model. This includes owning project governance, managing the organizational structure, building culture, and driving continuous improvement through project oversight.



Carol joined OPG in 2017 and has taken on various leadership roles in Project Portfolio Management, Organizational Effectiveness, Performance Improvement, Work Control and Outage Management. She has led and delivered on several strategic projects for the Pickering Nuclear Generating Station in Ontario and builds high-performing teams through accountability and collaboration to deliver results.

Prior to Carol's tenure at OPG, she gained valuable experience executing projects in the energy and resources sector as well as electronics manufacturing. Her passion for continuous improvement and commitment to equity, diversity and inclusion has been the core of her career.

Carol is a licensed Professional Engineer, having earned her engineering degree in industrial engineering from the Schulich School of Engineering and has a Master of Business Administration from the Haskayne School of Business.

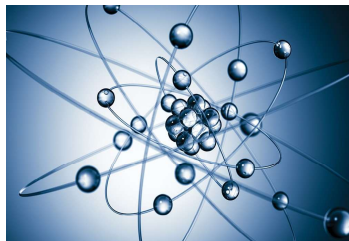


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**Carol Lane**

*Vice President Government Affairs  
X-Energy*



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### **Marisa Lago**

*Under Secretary of Commerce for International Trade  
U.S. Department of Commerce*

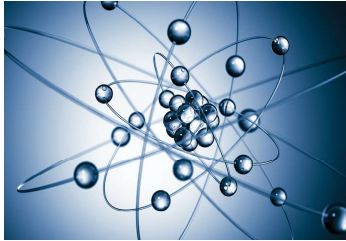
Marisa Lago is the Under Secretary of Commerce for International Trade. She was appointed by President Joseph R. Biden and sworn in on Dec. 28, 2021, to lead the federal government's efforts to assist American businesses entering or expanding into international markets, enforce fair trade policies, promote travel and tourism to the United States and U.S. products and services overseas, provide in-depth trade analyses, develop strategies that will shape the future of international trade, and engage in commercial diplomacy across the globe.



Under Secretary Lago has a distinguished career in public service with expertise in international markets, trade, financial regulation, and enforcement. Before joining ITA, she led the New York City Department of City Planning and the City Planning Commission. In the Obama-Biden Administration, she served in the Department of the Treasury as Assistant Secretary for International Markets and Development.

Lago has also served as the Director of the Boston Redevelopment Authority and Chief Economic Development Officer for the City of Boston, President, and CEO of the Empire State Development Corporation, Director of the Office of International Affairs for the U.S. Securities and Exchange Commission, and Global Head of Compliance for a major investment bank.

She received a Bachelor of Science in Physics from The Cooper Union and her Juris Doctor cum laude from Harvard Law School.



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### **Kenneth N. Luongo**

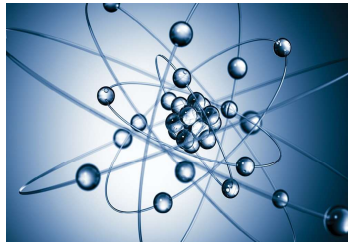
*President*

*Partnership for Global Security*

Kenneth N. Luongo is a recognized innovator, entrepreneur, and leader in global nuclear energy and transnational security policy development and analysis. He is the president and founder of the Partnership for Global Security (PGS) and the Center for a Secure Nuclear Future. He has authored over 100 articles and commentaries, been a TEDx presenter, engaged extensively with global media, and briefed governments and audiences around the world on nuclear energy and transnational security challenges and responses. Mr. Luongo's policy analyses and commentary have been featured in the *New York Times*, *Washington Post*, *Wall Street Journal*, *Foreign Affairs*, Reuters, CNN and numerous other international media, publications, and journals.



He is a member of the Advocacy Council of Nuclear Matters and the Nuclear Energy and National Security Coalition (NENSC). 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 subsequently 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).



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### **Nicholas (Niko) McMurray**

*Managing Director, International and Nuclear Policy  
ClearPath*

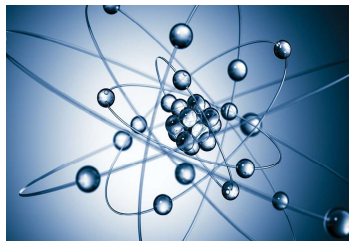
Niko McMurray leads the development and execution of ClearPath's international and nuclear policy portfolios to advance the organization's mission and vision. Niko has expanded ClearPath's nuclear energy technical and regulatory depth, allowing the organization to be a strong resource for Members of Congress and other partners.

Niko previously served as a member of the U.S. Department of Commerce's Civil Nuclear Trade Advisory Committee (CINTAC). He is a current member of the Keystone Energy Board, the E4 Carolinas Southeast Nuclear Industry Advisory Council, and represents ClearPath before multiple other industry groups.

Before joining ClearPath, Niko was a Materials Engineer at the U.S. Nuclear Regulatory Commission (NRC). There, he developed and provided technical guidance on materials, component integrity, and licensing topics for new and advanced nuclear reactors.

Niko holds a B.S. in Materials Science and Engineering from The Ohio State University.





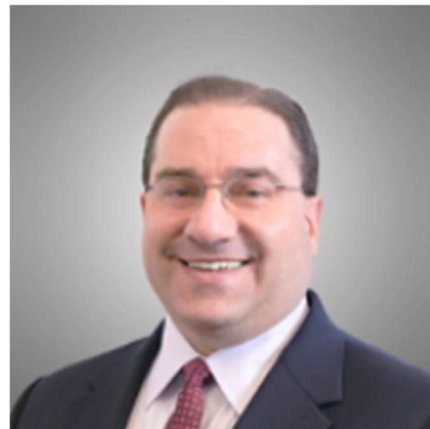
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### **Paul Murphy**

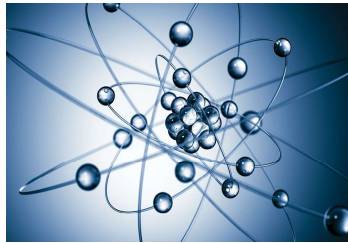
Founder and Managing Director  
Murphy Energy & Infrastructure Consulting, LLC

Paul focuses on multiple aspects of the nuclear industry – from legal and policy matters, including international regulatory and treaty frameworks and issues regarding nuclear liability, to strategies for creating and financing nuclear power programs and the identification and mitigation of associated risks – representing developers/owners, investors, lenders, and contractors on nuclear projects internationally. He is recognized as an expert in the development and financing of nuclear power programs by the International Atomic Energy Agency (IAEA), the OECD's Nuclear Energy Agency (NEA), the International Framework for Nuclear Energy Cooperation (IFNEC), and the U.S. government.



Paul now also serves as the Co-Head of Public Finance & Government Relations for Cross River Infrastructure Partners, and he is an Affiliate of Nuclear Economics Consulting Group. Paul is also a Senior Advisor to KPMG's Power & Utilities group. Paul is a member of the Advisory Board for the Global America Business Institute. Paul has also served as a member of ASME's Technology Advisory Panel for Clean Energy. Paul is a seven-time appointee to the U.S. Secretary of Commerce's Civilian Nuclear Trade Advisory Committee (CINTAC), and he has served twice on the U.S. Department of Commerce's SMR Working Group. He is also a Co-Founder and Managing Director of Greensabre Consulting Ltd. Paul is a member of the International Advisory Panel for the Centre for Strategic Energy and Resources (Singapore).

Paul currently serves on the IAEA's Technical Cooperation Program team, which assists member states in developing nuclear power programs. Paul regularly teaches financing, contracting, and project development for the IAEA, Argonne National Laboratory, and Texas A&M University for their international training programs, and he serves as a guest lecturer at the U.S. National Defense University and at Virginia Tech. He has also taught specialized nuclear training programs on financing, contracting, project structuring, risk allocation, and SMRs for the U.S. Government (including the FIRST program) and the nuclear planning authorities in Ghana, Uganda, and Ethiopia. Paul organized and recently co-taught a 23-part course on behalf of the U.S. Department of Energy for African countries interested in developing nuclear power programs (the course is open to all African countries).



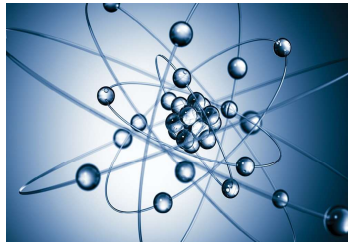
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Paul is also a Special Advisor to Radiant Energy Fund; and a Special Advisor (*pro bono*) to the International Youth Nuclear Congress. He also serves as Special Advisor to The Nuclear Alternative Project.

Most recently, Paul served as Managing Director, Special Projects for the international law firm, Gowling WLG. Prior to joining Gowlings, he was Special Counsel in the Washington, DC office of Milbank, Tweed, Hadley & McCloy LLP, and a member of the Global Project Finance group, leading Milbank's nuclear practice. Prior to Milbank, he served as Senior Counsel for Bechtel Power Corporation, supporting both the Nuclear and Fossil businesses as a transactional attorney involved in business development, proposal submittals, contract negotiations, procurement, and project execution.

Mr. Murphy is a graduate of Princeton University's School of Public and International Affairs and a graduate of Harvard Law School. He is admitted to practice in New York and the District of Columbia. He speaks and writes extensively on a variety of issues relating to the global nuclear industry.



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### **Sean Oehlebert**

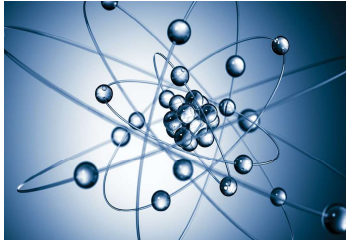
*Vice President, Corporate Business Strategy  
Centrus*

Sean E. Oehlebert serves as the Vice President of Corporate Business Strategy for Centrus Energy Corp. Since joining Centrus in October 2020, Mr. Oehlebert has played a leading role in the development of our strategy to transition the Centrus High-Assay, Low-Enriched Uranium (HALEU) enrichment facility from demonstration to commercial production. Mr. Oehlebert draws upon twenty years of experience in developing government solutions to questions at the intersection of civil nuclear energy, nonproliferation, and national security.



Prior to joining Centrus, Mr. Oehlebert served for more than two decades in various capacities at the U.S. Department of Energy and the National Nuclear Security Administration, most recently as the Director of the Office of Nonproliferation Policy. From August 2016 to 2018, Mr. Oehlebert served as White House National Security Council staff as the Director for Nonproliferation. He also served as the nuclear energy and nonproliferation advisor to the Deputy Secretary of Energy. Mr. Oehlebert is a two-time winner of the Secretary of Energy's Achievement Award.

Mr. Oehlebert holds a Bachelor of Science degree in political science from the State University of New York at Buffalo, and a Juris Doctor degree from the Boston University Law School. Mr. Oehlebert holds a license to practice law in the State of New York and the District of Columbia.



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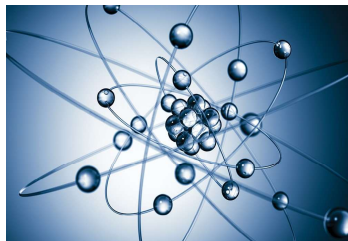
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### **Kenneth Peddicord**

Professor of Nuclear Engineering  
Texas A&M University

Kenneth Peddicord is Professor Emeritus and Senior Professor of Nuclear Engineering at Texas A&M University. He has been at Texas A&M for 41 years. His interests are workforce development for the nuclear industry, small modular and microreactors, the backend of the nuclear fuel cycle, and fusion engineering systems.





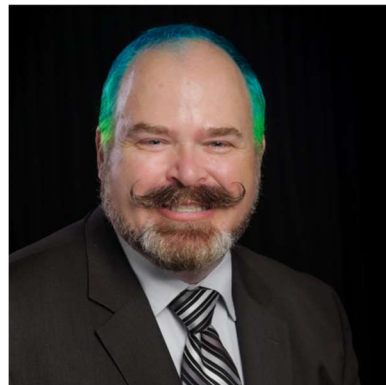
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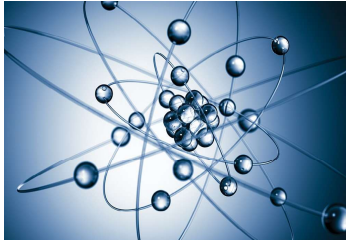
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### **David Pointer**

*Director, Nuclear Energy and Fuel Cycle Division  
Oak Ridge National Laboratory*

Dr. W. David “Dave” Pointer is the Division Director for the Nuclear Energy and Fuel Cycle Division at Oak Ridge National Laboratory. Dr. Pointer obtained his PhD in Nuclear Engineering at the University of Tennessee in 2001. He led the Engineering Simulations Section of the Nuclear Engineer Division at Argonne National Laboratory before joining ORNL as a Distinguished R&D Staff member in 2012. He has more than 20 years of experience in the design and safety of nuclear systems, including conventional light water reactors, advanced reactors using gas, liquid metal or molten salt coolants, and high-power accelerator systems. His work has focused on the advancement and qualification of modeling and simulation tools for nuclear energy systems, especially computational fluid dynamics, and the acceptance of results contemporary high-resolution methods running on high performance computers for projection of performance, assessment of safety and operations planning in these applications. He leads a team of more than 250 scientists and engineers who are focused on R&D activities supporting accelerated deployment of advanced nuclear energy system, nuclear fuel, and fuel cycle technologies.





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### **Mike Shaqqo**

*Senior Vice President, New Plant Projects  
Westinghouse Electric Company*

With over three decades of experience in the energy sector, Mike Shaqqo is a seasoned professional currently serving as the Senior Vice-President of New Plant Projects at Westinghouse Electric Company. In this role, he spearheads project development of Westinghouse's flagship technologies, the AP1000® and AP300™ reactors. Previously, Mike held the position of Senior Vice-President of Advanced Reactor Programs, overseeing the development of the eVinci™ microreactor technology at Westinghouse.

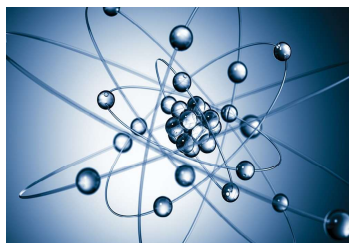


Prior to his return to Westinghouse, Mike served as Vice-President of Commercial Operations at TerraPower, LLC, where he managed the commercialization efforts of advanced reactor technology. Mike also held the position of Vice-President & Project Director in support of TerraPower's advanced reactor Joint Venture in China.

During his tenure at Westinghouse, Mike held various influential roles, notably as Vice-President and Director of AP1000® Engineering, where he played a pivotal role in project execution in China and the United States.

Mike's career trajectory at Westinghouse also includes managing field services operations in both the US and Europe, supporting nuclear power plants in meeting refueling outage goals.

Mike holds a Master of Science degree in Mechanical Engineering from the University of Pittsburgh and a Bachelor of Science degree in Engineering from the University of Tennessee. Mike is Six Sigma certified and has been honored with the George Westinghouse Signature Award of Excellence.



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### **Rick Springman**

*President, Global Clean Energy Opportunities  
Holtec*

Dr. Rick Springman is the president of Holtec's Global Clean Energy Opportunities division. In this role, he is responsible for strategy, new project development, and commercial structures for deployment of Holtec's clean energy technologies globally, including Holtec's Small Modular Reactor, SMR-300.

Previously, Dr. Springman was the Senior Vice President of International Projects for Holtec International. In that role, Dr. Springman developed, led, and managed the entire life cycle of international projects involving supply of highly engineered capital equipment and related services to private and public sector energy utilities in South America, Europe, UK, MENA and Africa, and East Asia, reporting directly to the President/CEO.

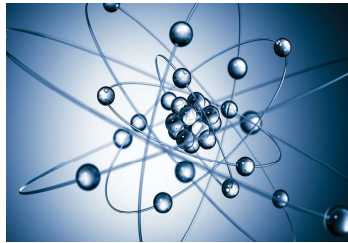


Dr. Springman employs a technology-driven focus to develop and execute projects for small modular reactors, decommissioning, spent fuel and waste management, heat transfer equipment, nuclear power plant engineering and site services, and energy storage technologies. Reporting directly to the President/CEO, Dr. Springman directs strategic business development, manages government relations, and strengthens partnerships while expanding Holtec's supply chain.

Dr. Springman's efforts have resulted in the successful establishment of numerous international operation centers, including Holtec Britain Limited (UK), Holtec do Brasil (Brazil), Holtec Europe (Madrid), Holtec Japan (Tokyo) and the Holtec South African branch. Dr. Springman is involved in corporate strategy, has led several new ventures for Holtec, and routinely contributes and leads new product development.

### Industry Leadership

Dr. Springman was appointed to Holtec's Executive Committee in 2018. He advises the President/CEO on corporate policies, administration, growth plans, acquisitions and other corporate strategies. He serves on the Advisory Boards for several Holtec company divisions and serves as a company representative on U.S.-E.U. Public Private Partnerships for Small Modular Reactors, Nuclear Energy Industry subcommittees, other interfaces within the industry, U.S. government entities (State, Commerce, DOE) and foreign governments.



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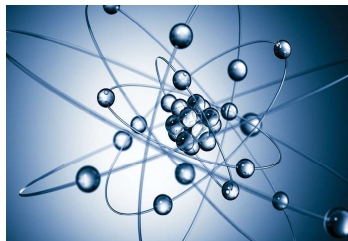
### Patents

Dr. Springman holds several patents developed for Holtec in the broad area of spent fuel management.

TITLE	YEAR	PATENT NO.	STATUS
Fuel Basket for Spent Nuclear Fuel and Container Implementing the Same	2023	US 10,854,346 B2, 10-2039918, US 11,715,575 B2	GRANTED
Method of Retrofitting a Spent Nuclear Fuel Storage System	2022	US 10,867,714 B2, US 10,297,356 B2, US 9,640,289 B2, EP 3134900, US 11,515,054 B2	GRANTED
Snap-in Insert for Reactivity Control in Spent Nuclear Fuel Pools and Casks	2020	US 10,535,440 B2, US 9,685,248 B2	GRANTED
Method for Controlling Temperature of a Portion of a Radioactive Waste Storage System and for Implementing the Same	2015	US 9,105,365 B2	GRANTED

### Education

Before joining Holtec in 2009, Dr. Springman completed both his undergraduate and doctoral studies in Mechanical Engineering and Applied Mechanics at the University of Pennsylvania; he currently serves on the External Advisory Board for the department. His doctoral research focused on the mechanics of biological cell adhesion, which has important implications for directed growth of tissue culture and new therapies that can alter tissue environments to treat disease. As an undergraduate, his studies focused on robotics and control theory while he competed as an athlete on the University of Pennsylvania Wrestling Team, achieving National Collegiate Athletic Association (NCAA) All-American and Academic All-American status in two separate years. Dr. Springman also has prior experience as a technology consultant.



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### **Balendra Sutharshan**

*Chief Operation Officer and Deputy Lab Director for  
Operation*

*Oak Ridge National Laboratory (ORNL)*

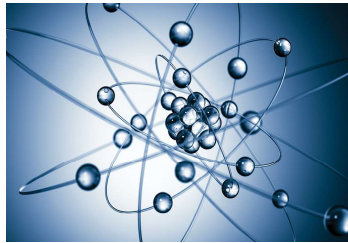


Dr. Balendra Sutharshan is the Deputy for Operations and the Chief Operating Officer at Oak Ridge National Laboratory (ORNL), the U.S. Department of Energy's largest multiprogram science and energy laboratory. He is responsible for the overall operations and support functions including facilities and operations; environment, safety, and health; business operations; security; human resources; communications; and technology transfer. In concert with the Deputy for Science and Technology, Sutharshan supports the Laboratory Director in the planning, integration, and execution of Laboratory-level initiatives. He also holds the position of Executive Vice President, Operations, for UT-Battelle, LLC.

Sutharshan joined ORNL in 2021 as the Associate Laboratory Director of the Isotope Science and Engineering Directorate (ISED). In this position, he led the organization responsible for delivering high-impact isotopes, advancing the nation's enrichment technology, and operating the unique facilities that make up ORNL's isotopes and nuclear materials complex.

Sutharshan came to ORNL from Pacific Northwest National Laboratory, where he served as the Deputy Associate Laboratory Director and Chief Operations Officer for the Operational Systems Directorate. In that role, he provided leadership in the areas of capability stewardship and programmatic execution, including integrating all support functions with each research and development organization. Previously, he was responsible for strategic and tactical operations for Argonne National Laboratory's Energy and Global Security Directorate as its Chief Operations Officer. Before that, he spent 18 years at Westinghouse Electric Company, holding several engineering and leadership positions, with responsibilities that included negotiating and executing partnerships across Asia and implementing innovative new plant design engineering in the United States and China.

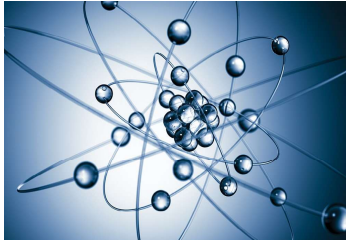
Sutharshan holds a Doctoral degree in Nuclear Engineering from the Massachusetts Institute of Technology; a Master of Business Administration from Rensselaer Polytechnic Institute; and a Master of Science degree in Chemical and Nuclear Engineering from the University of Toronto, from which he also holds a Bachelor of



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Science in Chemical Engineering. In addition, he completed executive leadership development and management training from Duke University's Fuqua School of Business. He is a Six Sigma Academy Certified Master Black Belt.



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### **Tarek Tabikh**

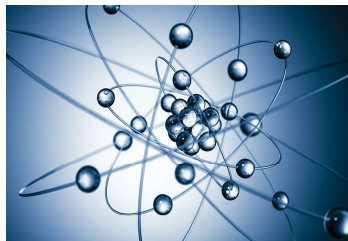
*Lead SMR Technical Advisor, Directorate of Advanced Reactor Technologies (DART), Canadian Nuclear Safety Commission (CNSC)*

Mr. Tarek Tabikh is the Lead SMR Technical Advisor at the Canadian Nuclear Safety Commission (CNSC), where he spearheads the CNSC's Small Modular Reactor (SMR) Readiness Program. This program is designed to enhance regulatory preparedness for licensing advanced nuclear reactor technologies. Mr. Tabikh's role encompasses strategic oversight of SMR and advanced reactor preparedness, including the development and refinement of regulatory standards in emerging nations and contributions to global nuclear harmonization and standardization efforts.



Before his tenure at the CNSC, Mr. Tabikh was a station engineer at one of the world's largest nuclear power plants. There, he managed engineering solutions for critical safety and production issues and played a key role in preparing for and participating in audits conducted by the IAEA's OSART mission and reviews from the World Association of Nuclear Operators (WANO).

Mr. Tabikh holds a master's degree in Nuclear Engineering from McMaster University and a bachelor's degree in mechanical engineering from Carleton University. He is a licensed Professional Engineer.



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### **The Honorable Adrian Zuckerman**

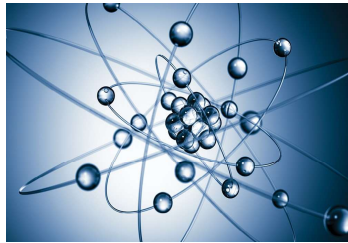
*Former U.S. Ambassador to Romania  
U.S. Department of State*

Ambassador Zuckerman is Of Counsel to DLA Piper, bringing his unique skills as a lawyer and former government official to advise multinational corporations on legal, regulatory and governmental affairs. He served as U.S. Ambassador to Romania from 2019 to 2021. Under his leadership Romania signed a ten-year defense cooperation agreement with the United States that provided financial, military and strategic support and cooperation. He also advanced and helped structure an intergovernmental agreement between the US and Romania for the \$8 billion refurbishment of the Cernavoda nuclear plant which included refurbishing one operating reactor and building two additional nuclear reactors. To help finance this project the Ambassador negotiated a \$7 billion financing agreement with the Export- Import Bank of the United States (EXIM). The Cernavoda project was the largest-ever joint project between the United States and Romania. The project financing was also the biggest financing agreement by Romania with EXIM as well as EXIM's single largest financing agreement. During Ambassador Zuckerman's tenure, Romania also implemented new economic and infrastructure initiatives as well as initiatives to combat organized crime, human trafficking, fraud, corruption and intellectual property theft, among others.



Romanian President Klaus Iohannis awarded Ambassador Zuckerman Romania's highest civilian award, the Star of Romania, Order of the Grand Cross.

Ambassador Zuckerman is a member of the advisory council for the Krach Institute For Tech Diplomacy at Purdue. He is also a frequent public speaker and writer about various economic and political issues.



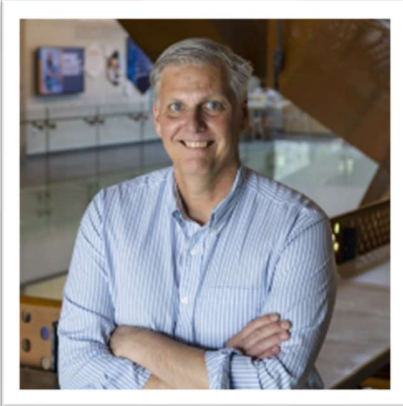
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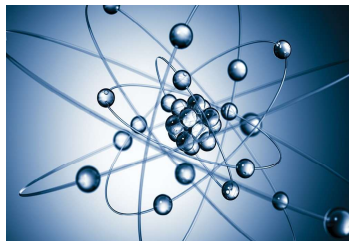
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### **Brian D. Wirth**

*Department Head and Governor's Chair Professor of Computational Nuclear Engineering,  
Department of Nuclear Engineering, University of Tennessee and ORNL*

Brian Wirth is Department Head and Governor's Chair Professor of Computational Nuclear Engineering in the Department of Nuclear Engineering at the University of Tennessee, Knoxville and Oak Ridge National Laboratory. Professor Wirth's research investigates the performance of nuclear fuels, structural materials and plasma facing components in nuclear fission and fusion environments, utilizing computational materials modeling complemented by experimental investigation. Brian received a BS in nuclear engineering from the Georgia Institute of Technology in 1992 and a PhD in mechanical engineering from the University of California, Santa Barbara in 1998. Dr. Wirth spent four years at Lawrence Livermore National Laboratory. In 2002 he joined the faculty at the University of California, Berkeley as an Assistant Professor of Nuclear Engineering and was promoted to Associate Professor in 2006. In 2010, he moved to the University of Tennessee as a UTK-ORNL Governor's Chair Professor. He has received many awards, including the 2014 U.S. Department of Energy Ernest O. Lawrence Award in Energy Science and Innovation, the 2016 Mishima Award from the American Nuclear Society for outstanding work in nuclear fuels and materials research and the 2003 Presidential Early Career Award for Scientists and Engineers (PECASE). Dr. Wirth is a Fellow of the American Association for the Advancement of Science (AAAS, 2016 Fellow, Physics Section) and the American Nuclear Society (ANS, 2017 Fellow).





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### **Elizabeth Worsham**

Systems Integration Engineer  
Idaho National Labs (INL)

Dr. Elizabeth Worsham is a mechanical engineer working to advance sustainable energy. Her academic journey began at Embry-Riddle Aeronautical University, where she earned a Bachelor of Science in Mechanical Engineering. She furthered her education at North Carolina State University, completing a Master of Science and Ph.D. in Mechanical Engineering as a Department of Energy (DOE) Nuclear Energy University Programs Fellow. Dr. Worsham joined Idaho National Laboratory in 2020 as a postdoctoral research associate and was promoted to staff scientist in 2021. As part of the Integrated Energy and Market Analysis group, Elizabeth's multidisciplinary efforts span chemical process modeling, technoeconomic analysis, energy grid economics, resource optimization and planning, and energy storage solutions. Dr. Worsham has played a pivotal role in INL's industrial decarbonization initiatives, leading research for nuclear integration in the pulp and paper sector and extending her expertise to methanol production and petroleum refining. Her leadership contributed to the development of a reference model and technoeconomic analysis for kraft pulp mills, estimating the economic benefits of nuclear integration and the potential for significant carbon emission reductions. Within this work, she also spearheaded studies on the co-location of advanced nuclear reactors with industrial plants, applying existing siting methodologies and licensing strategies to identify technological and industry-specific challenges at three facilities.

