

SPEAKERS



John M. Benavente, P.E.
General Manager
Guam Power Authority



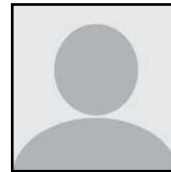
John J. Cruz Jr., P.E.
Assistant General Manager,
Engineering & Technical Services
Guam Power Authority
Clean Energy Transition Architect



Akrivi Liakopoulou
NLR



Andrea E. Copping, Ph.D.
Oceanographer and
Senior Advisor
PNNL



Artis Riepnieks
PNNL



Benjamin Kroposki
NLR



Brooke Marshall Garcia
SNL



Craig Allwardt
PNNL



Dan Rueckert, P.E., CISM
Vice President - Strategy
Sheffield Scientific, LLC



Dora Nakafuji
Apparent



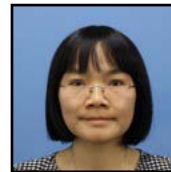
Fleurdeliza "Fleur" De Peralta, P.E.
Senior Advisor in the Energy
and Environment Directorate
PNNL



James Rosenberg II
Triple J Technologies



Jaime Kolln
PNNL



Jing Wang
NLR



Kevin Hartmann
NLR



Lucian Niemeyer
Building Cybersecurity



Pete Gingrass
PNNL

SPEAKERS



Phil Voss
NLR



Michaela Sizemore
NLR



Scott Haase
NLR



Sung Yoon
ENVELOPS



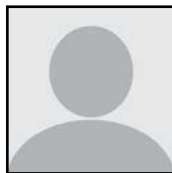
Ted Shin
NYX Global Inc.



Chuck Weissenborn
DRAGOS



Greg Valentine
Industrial Defender



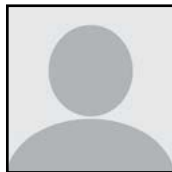
Jovana Helms
LLNL/DOE CESER



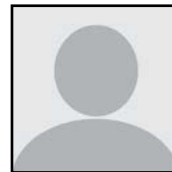
Nathaniel Gleason
LLNL



Sam Chanaoski
INL



Matthew Tarduogno
DOE



Tim Watkins
SEL



Chuck Wells
Enerzinx



Anupam Gopal
Enerzinx



Monica Smith
SEL



Thad Haines
SNL

John M. Benavente is the General Manager of the Guam Power Authority (GPA). His expertise spans over four decades of technical, engineering, operations and executive leadership in the power and water utility-related fields; across both the government and private sectors. He has held the position of General Manager serving Guam's utilities for over 30 years during this period.

John's current efforts include addressing GPA's core value strategies of providing a sustainable, affordable energy supply for Guam, hardening the utility's electric grid infrastructure, workforce development and management, commissioning GPA's new, highly efficient, combined cycle 198 megawatt Ukudu power plant under an IPP contract with KEPCO/EWP, and achieving an aggressive renewable energy goal of 50% renewables by 2030.

Through his leadership, the Guam Power Authority has improved its resiliency and recovery against catastrophic natural disasters; built a smart-energy grid, including a state-of-the-art SCADA system; adding over 220 megawatts of renewable energy and energy storage; and maintained favorable investment-grade status.

John is a licensed Professional Engineer. He holds a Master of Science in Engineering Management from the University of Missouri (Rolla) and a Bachelor of Science Mechanical Engineering degree from the University of Dayton. He is a past Director of the American Public Power Association, representing Guam, CNMI, American Samoa, Virgin Islands, Puerto Rico, and Canada. John is the recipient of the Professor John M. Phillips Excellence in Government Accountability Award and the American Public Power Association's James D. Donovan Individual Achievement Award.

John J. Cruz Jr., is the Assistant General Manager of Engineering & Technical Services (AGMETS) at the Guam Power Authority. Engineering, IT/OT, Planning & Regulatory Divisions report to him. He is GPA's Smart Grid Architect, Clean Energy Transition Architect, and Communications Network Architect. He rose through the ranks as a Communications Engineer, System Planning Supervisor, SPORD manager, and AGMETS. As SPORD Manager, his and his staff's work set GPA on the path towards renewable energy transition for GPA in 2008. GPA is now 12-13% renewable energy. GPA has committed to 50% and 100% renewable energy by 2030 and 240, respectively. He and Roel A. Cahinhinan, P.E. were the Project Leads and Technical architects for GPA's Smart Grid Initiative Grant. Under his direction, GPA started its progression to using Battery Energy Storage Systems (BESS) for fast frequency regulation and rapid reserve. NREL lists fast frequency regulation and rapid reserve as emerging technologies for grid services provided by BESS. GPA is at the forefront of BESS Technology for Grid Services. John wrote a significant portion of GPA's Clean Energy Master Plan. All four Engineering & Technical Services (E&TS) Divisions participated in the development of the Clean Energy Master Plan.

John holds a B.S.E.E, B.A. in Mathematics, and a minor in business (Gonzaga University) and a M.B.A. (UOP). John Holds a registered professional engineer on Guam. He holds the Certified Energy Manager and Certified Energy Auditor certification from the Association of Energy Engineers. He is a SEI Solar Professionals Certificate Program (SPCP) Graduate in Residential and Commercial Photovoltaics Systems (Online). <https://www.solarenergy.org/solar-professionals-certificate-program-graduate-list/> John has unique skills and experience in radar systems engineering, power systems engineering, systems

engineering, operations research, statistics and probability, software programming, software development, renewable energy, utility systems planning, computer and communications networks, cybersecurity, strategic planning, and Information Technology and Operations Technology.

He worked at Hughes Aircraft Company for 7 years in the Mode Development Department in El Segundo California where he worked on the Magellan Radar Project, Special Access Projects, and Low-probability of Intercept Studies. He has three radar modes flying on the B2. He returned to Guam in 1991 on a year leave of absence and met his future wife, Barbara Camacho. He remained on Guam and has worked for Guam Power Authority for over 32 years.

Akrivi Liakopoulou is a power systems modeling engineer at the Grid Planning and Analysis Center at the National Laboratory of the Rockies in Golden, Colorado. Her work focuses on operational, reliability and investment analysis of interconnected and non-interconnected power grids. She received her B.Sc. degree in electrical engineering from the University of Twente, The Netherlands and her M.Sc. degree in electrical engineering and information technology from ETH Zurich, Switzerland.

Dr. Andrea Copping is an oceanographer and senior advisor at PNNL, and a faculty member at the University of Washington. She focuses on the environmental effects of marine energy and offshore wind development, and the role that these effects play in technology development and project initiation across the nation. She leads international projects that share information on environmental effects of wave and tidal (Ocean Energy Systems-Environmental) to benefit from progress made around the world. Andrea also leads research and development for the use of marine energy devices to power blue economy applications. Dr. Copping serves as an Associate Editor of *Coastal Management Journal*, on the editorial board for *International Marine Energy Journal*, and as an advisor to marine energy consortia in Ireland, Chile, Australia, and France.

Ben Kroposki is the director of the Power Systems Engineering Center at NLR where he leads NLR's strategic research in the design, planning, and operations of electrical power systems. As center director, he manages engineers and scientists conducting research on power system devices and systems, sensing, measurement, and forecasting, operations and control, and power system design and planning. This work covers bulk power systems, distribution systems, and microgrids. Kroposki serves as cochair for the U.S. Department of Energy's Grid Modernization Laboratory Consortium, a partnership of 14 national laboratories to advance the modernization of the U.S. power grid. He has over 30 years of experience in the design, testing, and integration of advanced power solutions and systems.

Brooke Marshall Garcia, P.E., is a manager at Sandia National Laboratories. She is a licensed civil engineer with extensive experience in energy resilience analysis and energy system adaptation planning. She has an advanced business degree in Policy and Planning. Both her BSCE (2001) and her MBA (2007) are from the University of New Mexico. As a senior member of the Renewable Energy and Distributed Systems Integration department, she has been a leader on Sandia's microgrid course design team, and a field facilitator for vulnerable community outreach and support. Her research is focused on helping communities improve resilience through standardized,

measurable approaches.

Craig H. Allwardt received the Bachelor of Science degree in computer science from Washington State University, in 2007. He is currently a Sr. Software Engineer in the Energy and Environment Directorate, Pacific Northwest National Laboratory, Richland, WA, USA. He is a member of the Electricity Infrastructure and Buildings Division, Controls Team. He has more than 20 years of experience in the design and implementation of software systems. He specializes in developing new software tools in the field of knowledge management, distributed systems, integration systems, and messaging middleware. His work focuses on developing software platforms for data management and data integration in power grid and building energy research. He worked on projects under PNNL's Future Power Grid Initiative and developed the GridOPTICS Software System and VOLTTRON -- a platform for distributed sensing and control.

Daniel Rueckert has 30+ years of experience in information technology, project management and utilities business consulting. He is responsible for the Security, Risk & Compliance Management business line within Sheffield Scientific along with technology partnerships and the go-to-market strategy. Mr. Rueckert has worked with enterprise security program implementation at TVA, Pacific Gas & Electric, Xcel Energy, Salt River Project (SRP), Guam Power Authority and Iberdrola USA involving NRC/NEI, NERC, EPRI-TAM and NIST. Mr. Rueckert prior to joining Sheffield Scientific held positions at Black & Veatch and Hewlett-Packard where he was Global Practice Director for Service Management (ITIL®) and Security & Risk services within the consulting and integration organization.

He has had "Hands On" leadership and management in the successful deployment of large scale Enterprise Asset Management (EAM) implementations within the utilities sector at Duke Energy, Ontario Hydro Nuclear, Generation Victoria and Exelon. He had 15 years of experience at Pacific Gas & Electric (PG&E) Company at Diablo Canyon Power Plant in implementation of first generation work management systems and held other engineering and technology management positions.

Dora Nakafuji serves as the Director of Technology Integration and Outreach at Apparent Inc., specializing in the development of cleantech solutions that promote savings and equitable access. Prior to this role, Dora held the position of Executive Strategist at Kamehameha Schools and served as the Director of Renewable Energy Planning at Hawaiian Electric, accumulating over 15 years of experience in renewable integration and energy research. Dora's past roles include Acting Deputy Energy Program & Research Staff at Lawrence Livermore National Laboratory, Technical Lead for Wind Energy and Renewable Integration at the California Energy Commission, and Senior Technical Consultant at Accenture. Dora began a career in aerospace as an Aeronautical Engineer at the Industrial Technology Research Institute and also gained early experience as a CSR and Fleet Support Engineer-In-Training at United Airlines. Dora possesses a Doctor of Philosophy in Aeronautical Engineering and Mechanical Engineering from the University of California, Davis, and an Executive MBA from Quantic School of Business and Technology.

Fleurdaliza (Fleur) de Peralta is a Senior Advisor in the Energy and Environment Directorate (EED) at PNNL. Ms. de Peralta has

over 35 years of professional experience in various projects involving nuclear power design and operation; cybersecurity for energy generating systems (e.g., nuclear, solar, wind, marine/ocean energy, biomass/biofuel) and integration to electricity grids/microgrids at US Army installations; development of cloud-based digital engineering ecosystem and network infrastructure for US Space Force and Space Systems Command; environmental assessments and NEPA analyses for installation of small modular reactors and disposition alternatives of surplus plutonium; probabilistic risk assessments; fire modeling; and hydrogen generation and safety. She joined PNNL in 2014 and supports projects for the DOE, DoD, Nuclear Regulatory Commission (NRC), and National Nuclear Security Administration (NNSA). Prior to joining PNNL, she owned and managed an engineering services consulting firm for 25 years working with nuclear power plant licensees across the United States to comply with Nuclear Regulatory Commission design, operational, and regulatory requirements.

Ms. de Peralta has a B.S. in Mechanical Engineering from the University of California, Los Angeles (UCLA), with emphasis on Thermal Science and Power Systems and an M.A. in Mental Health Counseling from Argosy University. She also has Certificates in Engineering Management and Fire Protection Engineering from UCLA Extension and Cybersecurity for Information Systems from Harvard University's Office of Vice Provost. Ms. de Peralta is a licensed Professional Engineer (Mechanical) in the State of California. She spent majority of her childhood (12 years) in Guam before her whole family moved to California in 1980. She still considers Guam her "home."

James Rosenberg II is a pioneering leader in electric vehicle (EV) infrastructure and mobility solutions across the Asia-Pacific region.

As Founder and Managing Director of Neo Pacific Consulting Co. Ltd. James drives strategic growth, partnerships, and operations in transportation, EV charging networks, and rideshare services. He owns Neo Pacific but operates exclusively under contract for Triple J Technologies LLC, serving as Managing Director overseeing the FlowEV (Micronesia's leading EV charging network) and Stroll (Guam's premier rideshare and mobility platform) brands.

With deep expertise in global EV charging deployments, James has contributed to networks spanning over 200 sites worldwide through various initiatives and partnerships. Having lived on Guam, he played a key role in introducing the island's first public EV charging solutions in 2022, starting with Level 2 installations at commercial sites and in collaboration with partners such as Chaevi and EVAR. This laid the groundwork for FlowEV's rapid expansion: from initial ports to nine locations with addition sites coming online in 2026, triple-digit active users, and industry first DC charging and power delivery solutions slated for later in the year.

His work bridged U.S. territories with broader markets, including launching Charging networks in Guam (2022) and South Korea (2023), with owned testing facilities to support clients. Today, based in Busan, South Korea, James continues expanding FlowEV's commercial footprint, Stroll's rideshare operations, and exploring innovations like autonomous vehicle testing on Guam for tourism routes—potentially starting within two years.

Jaime Kolln is a power systems engineer at Pacific Northwest

National Laboratory working in grid architecture, primarily on DER integration and grid edge interoperability. He is responsible for research in the areas of distributed energy technology, power system communications, protection, controls, energy storage and other DER integration. Jaime is also a Technical Oversight Representative, which includes development of technical specifications for on-site and off-site procurements including energy storage deployments. Prior to joining PNNL, Jaime was the sole proprietor and system designer of a small business focused on building controls. He is active in many standards development organizations, alliances, and committees, as well as the Chair of the Modular Energy Storage Architecture (MESA) Alliance Testing and Certification Working Group.

Jing Wang is a Principal Engineer in the Energy System Control and Optimization Group within PSEC. She earned her Ph.D. in electrical engineering from RWTH Aachen University in 2015. Between 2015 and 2017, she served as a lead power system engineer at GE Grid Solutions in Stafford, UK, where she spearheaded multiple microgrid automation and HVDC system validation projects. At NLR, she leads several multi-million-dollar projects, delivering significant industry impact. Her research focuses on power electronics control of inverter-based resources (IBRs), power system protection, the co-design of IBR control and power system protection, and hardware-in-the-loop.

Kevin Hartmann joined NLR in 2014 as an undergraduate intern in the Hydrogen Safety Sensor Laboratory. As a member of NREL's sensor laboratory team Hartmann completed testing on multiple sensor platforms using the Safety Sensor Test Apparatus (SSTA). In 2017, Hartmann transitioned to his current position as a hydrogen systems research engineer. Initially, at NLR's Energy Systems Integration Laboratory (ESIL), Hartmann's research areas included hydrogen component reliability, hydrogen fuel cell electric vehicle station optimization, and hydrogen compression. In 2024, Hartmann transitioned to NLR's Flatirons Campus where his current research areas include hydrogen production, hydrogen system safety, and the deployment of hydrogen systems for long duration energy storage. Hartmann holds a bachelor's degree in mechanical engineering from the Colorado School of Mines (2016). He enjoys spending time hiking, biking, and skiing.

Lucian Niemeyer serves as the Chief Executive Officer of Building Cyber Security, a private sector, non-profit organization enhancing global safety through the development of cyber security protections for intelligent technologies, buildings and communities. In this role, he applies his expertise and experience to the nexus of facilities, real estate, and technology to mitigate the risk and impacts to society from the growing threat of cyber incidents. Over three decades, Lucian has served in the White House, the Pentagon, and in Congress providing budget, policy, and management leadership for U.S. national security programs. The Honorable Niemeyer served as an Assistant Secretary of Defense managing the world's largest real property portfolio valued at a trillion dollars. Lucian was responsible for identifying and mitigating risk to national security programs, as well as improving energy and environmental resilience, in the construction, sustainment, and modernization of facilities and related infrastructure. Lucian also served the Secretary of Defense as a strategic advisor for critical mission assurance and cybersecurity programs, as an Assistant Secretary of the Navy, and in the Office of Management and Budget at the White House overseeing national security, nuclear, and intelligence programs. From 2003 to 2014 he served on the professional staff of the

United States Senate Committee on Armed Services responsible for legislative and budget oversight over a wide portfolio of national security programs. Lucian founded The Niemeyer Group, LLC in 2014, providing public and private sector clients strategic advisory services for economic and business development. He also serves as a founding Principal Director for the non-profit organization, United Coalition for Advanced Nuclear Power to promote the use of clean, safe civilian nuclear power. Lucian is an Air Force veteran with 21 years of active and Virginia Air National Guard service. He holds a Bachelor of Architecture, from the University of Notre Dame, a Master of Business Administration from The George Washington University, and a Master of National Security and Strategic Studies from the Naval War College. He was also appointed a Fellow in the Society of American Military Engineers.

Pete Gingrass is a senior project manager with the U.S. Department of Energy's (DOE) Office of Electricity, where he leads efforts to advance grid modernization and strengthen the resilience of electric infrastructure nationwide. In this role, Pete leads and manages federally-funded solicitations and grant programs that support communities and utilities in hardening their electric grids against extreme weather and other natural disasters. He also oversees National Laboratory technical assistance that helps energy stakeholders explore cost-effective solutions to improve grid reliability and resilience. Prior to this role, Pete spent 10 years supporting DOE's State Energy Program, where he partnered with States and Territories to enhance energy security, advance state-led energy initiatives, and increase energy affordability, building a career-long foundation in the policies and partnerships that underpin a more modern, resilient grid.

Before this, he spent a few years running a start-up social enterprise focused on sustainability and zero waste and completed a stint with the U.S. Peace Corps in Vanuatu, where he taught business development. Pete holds a master's degree from The Josef Korbel School of International Studies at Denver University and a Bachelor of Arts degree in marketing and operations management from the University of Colorado at Boulder. Pete resides in Denver, CO.

Phil Voss is a Senior Project Leader in NREL's Accelerated Deployment and Decision Support Center. Phil manages NREL's support to the U.S. Department of the Interior's Office of Insular Affairs energy program including direct technical assistance to U.S. Territories and coordination with federal partners. He is also the Project Lead for the Guam Energy Strategies team focused on engagement and analysis supporting energy decision-making. Phil has over 20 years of experience supporting federal energy performance contracting projects and is Senior Advisor to the U.S. DOE Federal Energy Management Program's (FEMP) performance contracting programs. His work includes managing project teams, direct project assistance and training, developing guidance documents, and providing project measurement and verification (M&V) support.

Previously, Phil established and managed a DOE-NREL temporary office in New Orleans, directing DOE's post-disaster residential and commercial energy efficiency design assistance and municipal energy policy support. Phil returned to NREL in 2019 after 7 years of travel, managing a dive center, and working as a dive instructor in Indonesia and Honduras. He has a B.S. in architectural engineering from North Carolina A&T State

University.

Michaela Sizemore joined the National Laboratory of the Rockies (NLR) in 2022 as a model engineer for the Distributed Generation Market Demand (dGen) model. Her work focuses on understanding the techno-economic drivers that influence customer adoption trends of distributed energy resources and battery storage technologies. Prior to joining NLR, Michaela worked as a software engineer at the National Center for Atmospheric Research and holds a bachelor's degree in Atmospheric and Oceanic Sciences from the University of Colorado Boulder.

Scott Haase is a Senior Lab Program Manager, Strategic Partnerships. National Laboratory of the Rockies (NLR). He focuses on building new partnerships that connect NLR's technical capabilities with real-world energy challenges. Scott has spent more than 30 years working in the energy sector, including over 15 years supporting projects in U.S. territories. Along the way, he's worked closely with utilities, private companies, and government agencies to tackle complex energy issues. He holds a BS in Mechanical Engineering from the University of Vermont and an MS in Engineering Policy from Washington University.

Sung Yoon is Co-Founder and CEO of ENVELOPS (Seoul), where he develops smart agrivoltaic (APV) solutions that fuse AI, agriculture, and clean energy to build climate-resilient, income-positive farms. He has directed multi-country APV programs and pilots in Fiji, Indonesia, Vietnam, Jamaica, and Ethiopia, most notably Fiji's 4 MWp APV + 5 MWh BESS project approved under the Green Climate Fund with KOICA and national partners, and a forthcoming 16 MWp APV Water-Energy-Food (WEF) Nexus program. ENVELOPS' patented crop-driven design and its SAMS platform automate panel-angle control to balance microclimate, yield, and generation, while integrating productive-use energy applications including irrigation, cold storage, and e-mobility. Prior to ENVELOPS, Sung worked in renewable-energy project development and feasibility analysis. He holds an M.S. in Technological Systems Management (Energy) from Stony Brook University and a B.S. in Environmental Engineering from Virginia Tech.

Ted Dongyeol Shin is a global business executive specializing in electric vehicle (EV) charging infrastructure, solar energy, and energy storage systems (ESS), with extensive experience across Korea and international markets. He has been at the forefront of advancing sustainable energy solutions and accelerating the transition toward electrified mobility worldwide.

He currently serves as CEO of NYX Global and COO of NY Group, where he leads international expansion strategies focused on EV charging networks, renewable energy integration, and scalable infrastructure development. His work spans multiple regions, driving cross-border partnerships and enabling market entry for next-generation energy technologies.

Over his career, Shin has successfully deployed more than 15,000 EV charging units across diverse environments, ranging from urban infrastructure to large-scale commercial projects. In parallel, he has led the development and execution of approximately 2.3 GWh of combined solar energy and ESS projects, contributing to grid resilience and the broader adoption of clean energy solutions.

Prior to his current roles, he played a key role at EVAR, where he contributed to the company's rapid growth by establishing strategic partnerships with major charge point operators in Korea and the United States. He was instrumental in delivering large-scale EV charging infrastructure projects and strengthening collaborations with global automotive and mobility stakeholders.

In addition, Shin has led strategic initiatives in collaboration with BYD across LATAM and Korea, supporting the deployment of EV charging solutions and fostering the expansion of sustainable transportation ecosystems in emerging and developed markets alike.

With a strong focus on scalable deployment, system integration, and global market strategy, Shin continues to drive innovation at the intersection of mobility and energy, contributing to the realization of a more sustainable and connected future.

Thad Haines is a senior member of technical staff with the Renewable Energy and Distributed Systems Integration department at Sandia National Laboratories where his work contributes to better understanding issues related to resilience, stability, and controllability of electrical power systems due to increased renewable energy adoption and electrification of transportation. He has studied distribution system impacts associated with high levels of rooftop solar adoption, as well as mitigation approaches using advanced inverter controls and storage. Additionally, he has contributed to researching alternatives for fossil-based generation in an island setting, helped identify critical infrastructure to benefit community resilience, developed and simulated plant-wide inverter-based resource controls, and added long-term dynamic power system simulation via variable time-step integration into an open-source software package. Thad holds a Master of Science and a Bachelor of Science in Electrical Engineering from Montana Technological University, Butte America.

Chuck Weissenborn is the Public Sector CTO at Dragos, a cybersecurity company providing protection to critical infrastructure that supports over 80% of the U.S. population. He supports efforts across the community to secure our Nation's and the world's most critical assets from cyber threats. While at Dragos, Chuck has provided strategic and technical advice to the United States, NATO, and NATO member nations on topics related to critical infrastructure cybersecurity. Prior to joining Dragos, Chuck led business operations supporting the U.S. Army worldwide at Symantec (later a Broadcom corporation).

Chuck is a member of the Army National Guard, where he supports numerous US Department of War organizations in efforts to defend critical infrastructure against foreign threats. In 2023, he served as the Special Assistant to the Principal Cyber Advisor to the Secretary and Chief of Staff of the Army; in 2025 he provided support to the Immediate Office of the Secretary of War, focusing on security of national critical infrastructure. He is the recipient of the Bronze Star Medal, the U.S. Army Combat Infantryman Badge, the Signal Corps Regimental Association Bronze Order of Mercury, and many other federal and Texas state awards and decorations.

Chuck is an avid supporter of several non-profit organizations and is the co-chair for the Critical Infrastructure/Control Systems cybersecurity committee at the National Defense Industrial Association (NDIA). He is the former president of the Alamo

Chapter of the Signal Corps Regimental Association and a former vice president of the Alamo Chapter of AFCEA. Chuck has presented on topics ranging from critical infrastructure cybersecurity to mental health and neurodivergence at international and national events, including the RSA Conference. Chuck lives in Annapolis, MD with his wife Caitlin and daughter Calleigh.

Greg Valentine: As SVP Solutions Engineering at Industrial Defender, Greg manages the global Solution Engineering team as well as designs technical implementations of the Industrial Defender solution for customers to ensure their needs are being met effectively and efficiently with the Industrial Defender platform. Greg has over 35 years of experience in the software industry, with the past 15 years focusing on OT cyber security. Greg currently holds two certifications including an ISC2 – CISSP, and GIAC – GRID. Prior to working at Industrial Defender, Greg held cybersecurity roles at Lockheed Martin, Capgemini, and Winternals Software (a sister company to Sysinternals, now owned by Microsoft).

Dr. Jovana Helms is the Associate Program Leader for Critical Infrastructure Cybersecurity, within the Cyber and Infrastructure Resilience program area at Lawrence Livermore National Laboratory. Dr. Helms is leading the development and execution of a portfolio of work focused on enhancing the security and resiliency of the nation's critical infrastructure and networks to cyber threats. She was previously a Deputy Associate Program Leader for Civilian Cybersecurity Program at LLNL.

Prior to coming to LLNL, she was a Senior Member of the Technical staff at Sandia National Laboratory's Livermore campus. There, she led multidisciplinary teams and provided technical leadership to projects in Cyber Risk, Supply Chain Risk and National Hurricane Program Modernization.

Dr. Helms has received her Ph.D. and M.S. degrees in Electrical and Computer Engineering from University of California, Davis focusing on Wireless Communications and Signal Processing. She received her B.S. in Electrical Engineering from University of Belgrade, Serbia.

Nate Gleason is the Program Leader for Cyber and Infrastructure Resilience (CIR) within the Energy and Homeland Security Program in the Global Security Directorate at Lawrence Livermore National Laboratory (LLNL).

Gleason joined LLNL as the founding Program Leader for CIR in January 2016 and has since helped the program grow. The Cyber and Infrastructure Resilience Program is focused on providing the nation with the capabilities to compete in "gray zone" conflict space. A major portion of this involves assuring the resilience of the nation's critical infrastructure by enabling a future where our critical infrastructure systems are intelligent, self-healing, and resilient to cyber and physical disruptions. CIR also works to enable American leadership in energy by helping to create a modern, secure and reliable electric grid that incorporates a diverse set of energy sources. Key sponsors for this program include the Department of Homeland Security, Department of Energy, Department of Defense, and the State of California.

Prior to joining LLNL in January 2016, Gleason spent 12 years at Sandia National Laboratories in a variety of technical and management positions including Deputy to the Vice President, Deputy Program Director for Sandia's Homeland Security

Program, Department Manager for the Advanced Systems Engineering and Deployment Department and Department Manager for the Systems Research and Analysis Department.

Sam Chanoski delivers technical leadership, expertise, and strategic insights to Cybercore's portfolio of multi-million-dollar critical infrastructure security and resilience projects sponsored by the Department of Energy, Department of Homeland Security, and Department of Defense. He influences the development of large, long-term sustained programs for research, development, demonstration, and deployment associated with control system cybersecurity for nationally critical infrastructure, with particular focus on the energy sector.

Prior to joining INL, Sam spent sixteen years working in intentionally diverse positions across the electricity industry including real-time operations and maintenance with three large investor-owned utilities, situation awareness and event analysis with the North American Electric Reliability Corporation, intelligence with Electricity ISAC, and as the global security incident response team leader for a major manufacturer.

Sam's professional interests include real-time transmission and distribution operations, organizational behavior, control systems cybersecurity, and emergency management and resilience. He is a Senior Member of IEEE, and an adjunct professor at Gonzaga University's School of Engineering & Applied Science.

Matthew Tarduogno has extensive experience in the U.S. Department of Energy (DOE), having held multiple roles including Assistant Director and Program Manager in the Office of Cybersecurity, Energy Security, & Emergency Response, as well as Senior Advisor in the Office of International Affairs since 2015. Prior to this, Matthew served as a Special Advisor at the Advanced Research Projects Agency - Energy (ARPA-E) from 2012 to 2015 and held positions within the DOE's Office of the Under Secretary of Energy and Office of Energy Efficiency and Renewable Energy from 2010 to 2012. Early career experience includes serving as a Junior Financial Analyst for New West Technologies, LLC and an internship at Merrill Lynch Trust Company. Matthew holds an M.B.A. from Duke University's Fuqua School of Business and a degree in Economics & International Relations from Hobart and William Smith Colleges.

Tim Watkins graduated with an M.S.A from Central Michigan in Leadership and at the top of his class in an Army masters level Telecommunications, System, and Network engineering course. After retiring from the Marine Corps as a Communications Officer in 2013, Tim joined Schweitzer Engineering Laboratories, Inc. (SEL) as an Application Engineer. His background includes building communication networks in austere environments for combat operations and securing these systems since 1998. His career path allowed him to be both strategically and tactically involved in DoD cybersecurity, culminating as key member of CYBER FLAG, CYBER GUARD, and CYBER KNIGHT. Recently promoted to Principal Engineer in January 2026, Tim now focuses on promoting SEL OT SDN into control systems outside of Power. There are now examples of SEL OT SDN being used in Water, Wastewater, BESS, HVAC, Chillers, Boilers, Steam, Fan Control Systems, Fire Suppression Systems, Physical Security Systems, and Fuel Control Systems.

Anupam Gopal is the founder and CEO of Enerzinx, LLC. Under his leadership, Enerzinx has led the development of over 120 GW of renewable energy projects across 6 continents, in the last 10

years. In his current role, Anupam advises stakeholders in the renewable energy value chain, specifically in the fields of engineering, strategy, and technology.

Mr. Gopal has over 21 years of wide-ranging experience in the field of power system engineering. His experience ranges from commissioning equipment in the field to cutting-edge research in the area of high-performance computing. He has served in various positions in the United States and abroad. Prior to founding Enerzinx, Mr. Gopal served as Vice President of Transmission and Interconnection services at Energyzt Analytics. Anupam is the author of several equipment mathematical models and has been associated with the renewable energy industry in various capacities since its infancy.

Monica Smith is a scientist and project manager with experience in managing the design, development, testing, and commissioning of POWERMAX® power management systems for microgrids, traditional industrial applications, and remedial action schemes.

Experience

SEL Engineering Services, Inc. (SEL ES), Pullman, Washington, 2018–Present

Monica joined SEL ES as a project controller in the Special Protection Systems (SPS) group in 2018. She later transferred to the position of project engineer project manager (PE-PM). Monica manages projects for microgrid control systems, industrial power management systems, and remedial action schemes using the SEL POWERMAX technology. As a PE-PM, Monica is the primary point of contact for the SPS team on communications with the customer. She leads project kickoff meetings and design review meetings, documents meeting minutes and action items, maintains budgets and schedules, and ensures that project quality standards are adhered to. In addition, Monica supports business development efforts by being the west region's point of contact for SPS opportunities, writing proposals, and following up with customers to answer questions to ensure that SEL ES provides exemplary customer service.

FormFactor, Inc.

San Jose, California, 2015–2017

As a project engineer, Monica identified resources, developed detailed schedules, and led teams to design, assemble, and test First Article evaluation units for new technology introductions in the system-on-a-chip (SoC) market, including a new product architecture with profitable gross margin. She also directed core technology development to enable next generation testing of SoC devices for the semiconductor industry. Monica maintained a relationship with a key customer by interfacing weekly with the customer to discuss the product development pipeline, health of product deliverables, and set requirements.

Institute for Defense Analyses

Alexandria, Virginia, 2014–2015

As a research staff member, Monica reviewed literature and developed scenarios to analyze chemical and biological warfare (CBW) topics. She documented her background review, scenarios, conclusions, and recommendations to the sponsor for these CBW projects, assessed current and planned technologies and mitigating capabilities, and analyzed the logistical flow of personnel and materials for presentation by the sponsor.

Agilent Technologies, Inc.

Santa Clara, California, 2012–2014

As a research and development (R&D) engineer, Monica led the assembly and testing of custom-ordered products resulting in the on-time shipment of all orders. She collaborated with the R&D and Manufacturing departments to guide a new product with improved performance, ease of assembly, and routing through its product life cycle. She developed a rigorous schedule to manufacture and test production prototype (pre manufacturing ramp) products, wrote ISO 9000 standard operating procedures (SOPs) and work instructions (WIs) for manufacturing a novel product, and integrated a new product with both legacy and next generation system level products at the sale order level. In addition, Monica managed the release of legacy products to Manufacturing.

Publications

R. Singh, J. Reilly, A. Phan, E. Stein, D. Kotur, M. Petrovic, W. Allen, and M. Smith, "Microgrid Energy Management System Integration with Advanced Distribution Management System," Argonne National Laboratory. 2020. Available: <https://publications.anl.gov/anlpubs/2020/11/163790.pdf> M. A. Smith, "Remote Detection of Xenon-based Molecular Sensors and the Development of Novel Paramagnetic Agents," UC Berkeley: Biophysics. 2012. Available: <http://escholarship.org/uc/item/20q9397f>

Education

Ph.D. Biophysics, University of California, Berkeley, 2012
Certificate Management of Technology, University of California, Berkeley and Haas School of Business, 2012
BS Mathematics and Physics, Bucknell University, 2004