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SPEAKER BIOGRAPHIES

Microgrids & DERS Summit WEST, FEB 26 -27, 2019

The Parma Payne Goodall Alumni Center, San Diego State University, CA

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CAPT Mark Edelson, USN. Commander , Navy Facilities Engineering Command



About the Naval Facilities Engineering Command: NAVFAC is the Naval Shore and Expeditionary Systems Command that:

Plans, builds, and maintains sustainable facilities.

Delivers environmental, utilities and other base services.

Acquires and manages expeditionary combat force systems and equipment.

Captain Mark Edelson assumed command of Naval Facilities Engineering Command Southwest, and duties as Regional Engineer (N4), Navy Region Southwest, San Diego, California, September 2017. He previously served as the NAVFAC Operations Officer from August 2015 to 2017, responsible for the execution oversight of \$15 billion per year of base planning, design, facilities construction and maintenance, acquisition and real estate, environmental and contingency engineering, and lifecycle expeditionary equipment management. He also served as the Contingency Engineering Business Line Leader and as the corporate Safety Officer.

Previous assignments have included Public Works Officer at Naval Air Station Lemoore, California, directing facilities at the Navy's west coast master jet base. Reporting to NAVFAC HQ in Washington, DC in 2008 he served as the Deputy Chief Operating Officer for the Navy Expeditionary Combat Enterprise, until deploying to Afghanistan in April 2010 to direct the \$6.8 billion construction program for the Afghanistan Army and Air Force. From 2011 to 2013, Captain Edelson served as the NAVFAC Southeast Operations Officer, overseeing the command's \$1.8 billion facilities program through 20 field offices in the southeastern United States and the Caribbean.

Captain Edelson attended graduate school in 1998, receiving a Master of Science in civil engineering (construction management) from Stanford University before reporting as the Officer in Charge of Combat Service Support Team TWO with Naval Special Warfare Group TWO in Norfolk, Virginia.

Captain Edelson is a registered civil engineer in Virginia, a graduate of the Marine Corps Command and Staff College, a member of the Defense Acquisition Corps, and a member of the Society of American Military Engineers and the American Society of Civil Engineers.

CAPT Curtis Jones, USN. Chief of Staff, Navy Region Southwest, Commander, Navy Installations Command



About Commander, Navy Region Southwest

As the Naval shore installation management headquarters for the Southwest region (California, Arizona, Nevada, Utah, Colorado, and New Mexico), Navy Region Southwest provides coordination of base operating support functions for operating forces throughout the region. This includes providing expertise in areas such as housing, environmental, security, family services, port services, air services, bachelor quarters, supply, medical and logistical concerns for the hundreds of thousands of active-duty, reserve and retired military members in the area. The command also serves as the regional coordinator for the Commander, U.S. Pacific Fleet, headquartered in Hawaii, coordinating support for bases in Southern California and Nevada.

Afloat CAPT Jones has served as Damage Control Assistant, 1st Division Officer, STREAM Officer, and Main Propulsion Assistant onboard USS SAN JOSE (AFS 7), commissioning Main Propulsion Assistant onboard USS BATAAN (LHD 5), and Engineer Officer onboard USS CLEVELAND (LPD 7). He served as Executive Officer onboard USS CORONADO (AGF 11), and commissioning Commanding Officer USS NEW YORK (LPD 21). Additionally, CAPT Jones has served in Afghanistan as part of JTF Paladin, Counter-Improved Explosive Device (C-IED) team.

Ashore Captain Jones served initially as an Emergency Actions Officer and later as the Aide- de-Camp for the Deputy Commander, USSTRATCOM. He also served as amphibious command placement, surface commander assignment and Deputy Director Surface Warfare Officer Distribution. He completed an assignment as Executive Assistant for Commander Navy Installations Command in the Fall of 2013, after which he took command of Naval Base San Diego. Currently serving as Chief of Staff for Navy Region Southwest.

Captain Jones earned a Master's of Arts Degree in National Security and Strategic Studies from Naval Postgraduate School. A native of Binghamton, NY, Captain F. Curtis Jones graduated from Massachusetts Institute of Technology receiving a commission through the Navy Reserve Officer Training Corps in 1989.

Colonel Patrick G. Miller, USAF, Vice Commander, Air Force Installation & Mission Support Center, Air Force Materiel Command



About The Air Force Installation and Mission Support Center:

The center serves as an intermediate-level headquarters responsible for providing installation and mission support capabilities to 77 Air Force installations, nine major commands and two direct reporting units with an annual budget of approximately \$10 billion. One of six centers assigned to AFMC, the unit's cross-functional team integrates security forces, civil engineering, base communications, logistics readiness, installation ministry programs, services, operational acquisition and financial management across 10 detachments and six primary subordinate units. Those units are the Air Force Civil Engineer Center, Air Force Security Forces Center, Air Force Installation Contracting Agency, Air Force Services Activity, Air Force Financial Services Center and Air Force Financial Management Center of Expertise. AFIMSC activated April 6, 2015, reached Initial Operating Capability on Oct. 1, 2015, and a year later achieved Full Operating Capability in October 2016.

Colonel Patrick G. Miller is the vice commander, Air Force Installation & Mission Support Center, Air Force Materiel Command, Joint Base San Antonio-Lackland, Texas.

Colonel Miller entered the Air Force in December 1997 as a distinguished graduate of the Reserve Officer Training Corps at the Pennsylvania State University. A career civil engineer, he has served at five base level assignments; as a course director and instructor at the Civil Engineer and Services School; and at Air Staff and Air Mobility Command headquarters tours.

His expeditionary experience includes five deployments to various locales; his commands include the 628th Civil Engineer Squadron and 474th Expeditionary Civil Engineer Squadron. Prior to his current assignment, he was the Commander, 6th Mission Support Group, MacDill Air Force Base, Florida.

EDUCATION

Bachelor of Science Degree in Civil Engineering, Pennsylvania State University, State College, PA; Master of Science in Engineering in Civil Engineering, Arizona State University, Tempe, AZ; Distinguished Graduate, Master of Arts in National Security and Strategic Studies, College of Naval Command and Staff, Newport, RI

COL William Myer, Director, Installations and Environment, Army National Guard HQ



COL Myer provides strategic and operational leadership for a division with 140 staff, \$1.8 billion annual budget, and operations in 54 states and territories. He delivers program management for Facility Construction, Environmental Operations, Real Estate Operations, and Conservation programs.

COL Myer Previously served as Office of the Assistant Secretary of the Army, Installation, Energy and Environment Director, Operational Energy and Contingency Basing, Office of the Assistant Secretary of the Army, Installation, Energy and Environment, Pentagon where he led two directorates and oversaw program management of the \$4 billion Army Energy Program. Shaped energy and sustainability strategies and policies as an advisor to the Assistant Secretary of the Army for Installations, Energy, and Environment.

Earlier assignments include:

Military Executive Army Reserve Forces Policy Committee, Office of the Assistant Secretary Army Manpower Reserve Affairs, Pentagon

Environmental Division Chief, Army National Guard HQ

Environmental Compliance Branch Chief, OACSIM (Office of the Assistant Chief of Staff Installation Management)

Education

Northern Michigan University, Master of Arts (M.A.) Field Of Study: Administrative Planning

Northern Michigan University, BS Earth Science Field Of Study Geological and Earth Sciences/Geosciences

Dates attended or expected graduation 1988 – 1990

Licenses & Certifications: Wisconsin Licensed Professional Geologist

Moderator: Dr. John Caldwell, Immediate past Director of Economics, Edison Electric Institute



Dr. Caldwell retired from EEI (Edison Electric Institute) in December 2018. At EEI, Dr. Caldwell examined and reported on the interrelationship of the economy with energy supply, demand, and pricing, and provided regular outlooks on the state of the economy and its current and potential impacts on the energy industry.

He has delivered papers at industry conferences on natural gas supply and demand issues, the measurement of price and income elasticity in the electricity sector, and the proper methodology for estimating the costs and benefits of new smart grid technologies.

Recently, he was working with the Department of Energy and EEI members in the collaborative development of a process for projecting, measuring, and verifying costs and benefits associated with smart grid investments.

Dr. John Caldwell has worked in the electric and gas utility industry for over twenty years, first at the Illinois Power Company (now part of Ameren) as a planning engineer, and then at NiSource, where he was involved in the development of long-term forecast models for energy use and peak demand, the introduction of innovative alternative rate designs, such as negotiated rate, fixed price, and fixed bill products, and the implementation of financial hedging strategies and risk management systems to support these products.

Both within NiSource and for its customers, John regularly gave seminars and training presentations on rate design and deregulation. He authored a monthly "Fuel Price Outlook" with commentary and projections on the energy industry on his company's website, and participated in periodic regional workshops to share his views on the market and future price trends.

He holds a B.S. in electrical engineering from the University of Illinois at Champaign-Urbana, an MBA from the University of Illinois at Springfield, an M.S. in mathematics from the University of Iowa, and a Ph.D. in economics from the University of Illinois at Chicago.

Mr. Andy Butcher Chief Operating Officer, Platte River Power Authority



Andy Butcher became chief operating officer of Platte River Power Authority in 2017. Prior to that, he served as the director of power markets and generation dispatch. Andy has more than 20 years of experience in the utility industry including electric generation dispatch, power purchasing and sales, control room management, systems optimization and energy conservation.

Andy previously worked for Black Hills Power as a director of generation dispatch and power marketing and was employed as the manager of system operations for American Municipal Power in Columbus, Ohio.

Andy attended college in Columbus, Ohio where he also was involved in the Army Officers Training Corps (ROTC) Scholarship Program. After receiving his bachelor's degree from DeVry University, he entered active duty in the United States Army as a signal officer.

Ms. Shelee Kimura, Senior Vice President , Business Development and Strategic Planning at Hawaiian Electric Company



Ms. Kimura oversees strategic planning, business development, renewable acquisition, demand response, electrification of transformation, and co-leads the company-wide transformation program. Ms. Kimura was instrumental in launching Hawaiian Electric's transformation strategy and the company's long-term vision, the foundation that set the course for the company's ultimate goal for 100 percent renewables by 2045.

She holds a bachelor's degree in business administration from the University of Hawaii at Manoa, where she was a presidential scholar, and is a graduate of the Advanced Management Program of the Wharton School, University of Pennsylvania. Ms. Kimura serves on the audit committee of Kamehameha Schools and the boards of Olelo Community Media and Hawaii Cord Blood Bank.

Mr. Raj Roy, Principal Manager of the Distribution System Operator Implementation Group at Southern California Edison.



Mr. Roy's team is working on developing SCE's long-term vision and roadmap of how SCE's current distribution business needs to evolve in a high-penetration distributed energy resource environment (i.e. Solar, Energy Storage, Electric Vehicles, etc.). This effort includes determining the business capabilities SCE would need to build, enhance, or obtain from a people, policy, process, and technology perspective to achieve SCE's long-term distribution business vision.

He has over 12 years of utility experience in various strategic roles at SCE. He holds a Bachelor of Science degree in Engineering from Harvey Mudd College and a Master's of Science degree in Electrical Engineering from University of Southern California.

Mr. Louis Ting, Director of Power Planning Development & Engineering, LADWP



Louis Ting is the Director of Power Planning and Development for the Los Angeles Department of Water and Power. He is responsible for the overall Power System regulatory, resource, grid, and strategic planning. Since joined LADWP in 1992 after graduating from UCLA, he had the privilege of career diversifications and increasing responsibilities from Fleet Engineering designing utility-specific vehicles, Water System pipeline design and construction, including trunk line redevelopment projects. He then moved to the electric side of LADWP to manage major projects including renewables generation, hydroelectric, combined-cycle power plants, transmission line, and substation projects.

Dr. Thomas Bialek, Chief Engineer, San Diego Gas & Electric Company



His present responsibilities involve technology strategy and policy for transmission and distribution issues including equipment, operations, planning, distributed generation and development of new technologies. His experience includes electric utility design, planning and operation and equipment design, development and manufacturing. Tom is an IEEE Power Engineering and Dielectric and Electrical Insulation Society member. Tom was also the former Failure Mechanism Technical Committee Chair and Secretary of the Dielectrics and Electrical Insulation Society and Working Group Member for Surge Arresters. He is also a registered Professional Engineer, Electrical Engineering, in the State of California.

Mr. Vish Ganti, Director of Strategy, AutoGrid



Vish serves as Director of Strategy & Business Development for AutoGrid Systems and is responsible for leading the growth of AutoGrid's artificial intelligence (AI)- driven flexibility management (FLEX) business, as well as the AutoGrid Energy Internet Platform™. Among his many responsibilities, Vish also champions strategic initiatives such as capital investment, growth and partnerships – most recently deploying FLEX to manage and monetize 1500 MW of flexible energy - the largest flexible energy management platform deployment to date.

As a passionate advocate for open standards, Vish has nearly a decade of success working with utilities, ISOs and C&I sites to develop automated demand response (AutoDR), helping them to expand the adoption of OpenADR technology solutions in distributed resources.

As a technology pioneer and a subject matter expert in DER/IoT, Vish has a long track record of research, development and deployment across the spectrum of Smart Grid applications, including AutoDR, interoperability, home automation, and smart appliances. Vish has held senior roles at CPower (a subsidiary of Constellation), Johnson Controls and EnerNOC, as well as leading innovative research at Lawrence Berkeley National Laboratory (LBNL). Beyond technology, he has deep ties to the power industry, working with regulated Utilities across North America as well as wholesale markets such as PJM, CAISO, NE-ISO, ERCOT and NYISO.

Vish holds a Bachelor of Science degree in Electronics and Communication Engineering from Jawaharlal Nehru Technological University, Hyderabad, India and a Master of Science degree in Electrical Engineering specialized in Energy Management from San Francisco State University. In December 2018, he completed activation of a MicroGrid at his house in Silicon Valley, with by DERs such as Smart-thermostat, Solar PV, Tesla Powerwall, EV with Smart Charging, including a personal weather station.

Mr. Jimmy Herren, Senior Manager, Integrated Grid, EPRI



Mr Herren is responsible for Member & Technical Services for the Integrated Grid area of EPRI's Power Delivery & Utilization (PDU) Sector for United States members which receives over \$100M in funding each year for technical programs and projects.

The role includes managing technical advisors, working closely with the Vice President of Integrated Grid and the technical staff across Energy Utilization, Distributed Energy Resources and Grid Operations & Planning. He works closely with the PDU Transmission, Distribution & ICCS Senior Manager handling utility member relationships and overseeing utility, vendor, state and federal government funding for EPRI R&D while delivering strategic value to all US member accounts.

Mr. Herren has been with EPRI for over 5 years; previously he worked in software development, programming and management for Lockheed, NASA, and Compaq computers. He holds a degree in Computer engineering from Auburn University.

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Mark Kneidinger is the Deputy Director of the DHS National Risk Management Center (NRMC), within the National Protection & Programs Directorate. The NRMC is an organization working in collaboration with industry that generates solutions to reduce cyber and physical strategic risk to the Nation's critical infrastructure.

Prior to this role Mr. Kneidinger had been the Director of the Federal Network Resilience (FNR) Division, within the Department of Homeland Security's Office of Cybersecurity & Communications (CS&C). In this position, Mr. Kneidinger led FNR's activity in representing and supporting implementation of CS&C Cyber Programs to all Executive Branch Departments & Agencies in collaboration with OMB, NSC, the CIO Council and individual agency CIOs and CISOs. Prior to joining DHS, Mr. Kneidinger held IT Executive leadership positions in the commercial sector of Fortune 100 Corporations, including roles as CTO, Vice President and Managing Partner.

Mr. Kneidinger has further held Chief Information Officer (CIO) positions in New York and Virginia as well as served as a White House appointee in the position of Deputy Assistant Administrator and CIO for the U.S. Agency for International Development (USAID).

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Mr. Tobias Whitney, Technical Executive, EPRI



Apr 2018 – Present. In this role, Mr, Whitney is establishing strategic direction – guiding the content development for the research area, prioritizing and selecting key activities towards cyber security. He is Leading technical staff – coordinating with engineers and scientists that perform research including security studies

Prior to joining EPRI, Mr. Whitney was the Principal for Critical Infrastructure Protection at NERC, where he leads the CIP compliance audit oversight function and facilitates and provide administrative support to the CIP Compliance Working Group. He also provided CIP subject matter expertise as a compliance liaison to the Cyber Security 706 standard drafting team. Prior to joining NERC, Tobias worked as an engineer at Burns & McDonnell Engineering in Missouri, leading the Critical Infrastructure Advisory team and GE Energy's Smart Grid Center of Excellence. Before that, he worked as a senior IT systems auditor at Pricewaterhouse Coopers. Tobias has been an active participant at NERC's Critical Infrastructure Protection Committee and subcommittee meetings since 2004 and was a core member of the Cyber Attack Task Force in 2011. He holds a B.S. in business and public administration from the University of Missouri and an MBA from Washington University, Saint Louis.

Mr. Bob Morris, Chief Engineering Services Officer, Schweitzer Engineering Laboratories



Bob Morris joined Schweitzer Engineering Laboratories, Inc. (SEL) in 1991 and is currently the chief engineering services officer, where he leads and directs the Engineering Services global organization. He has extensive experience designing, testing, and commissioning electric power system protection and control devices and systems. Mr. Morris received his BS in geophysical engineering and MS in engineering science from Montana Tech and is named on eight U.S. patents. He is a member of the Institute of Electrical and Electronics Engineers (IEEE) and serves on the advisory boards for the University of Idaho College of Engineering and Montana Tech Electrical Engineering.

Mr. Tom Abram, Energy and Sustainability Officer, San Diego State University



Tom Abram is responsible for Campus Sustainability and Energy. At SDSU, Tom focuses on strategic planning to develop and advance sustainability initiatives, including climate action, energy, water, and waste. Tom was the primary author of SDSU's Climate Action Plan. Tom's previous experience includes mechanical design for deep green and net zero buildings at Integral Group and Sustainability Coordinator at the University of Illinois – where he co-authored their Climate Action Plan. Tom holds a Masters Degree in Sustainable Design and Construction from Stanford University and a BS Degree in Electrical Engineering from the University of Illinois. He is a Professional Engineer, LEED Accredited Professional, and Certified Energy Manager.

Moderator: Mr. Chris Schroeder, Vice President, SEPA (Smart Electric Power Alliance)



Chris Schroeder joined SEPA in July of 2017 as a Senior Director of Advisory Services. In this role, he is responsible for helping SEPA members define a variety of programs, strategies, and solutions for distributed energy resources supporting the advancement of clean energy and grid modernization.

Chris has over 20 years of consulting experience in the electric, gas, and renewable energy industries. Prior to joining SEPA, Chris served as a Senior Vice President at Nexant, Inc. where he led their Energy Delivery and Management division providing over 100 pilot and full-scale utility distributed energy resource programs, including energy efficiency, demand response, and renewable energy offerings. Chris has also provided strategic consulting services for state regulatory proceedings, stakeholder facilitation, utility tariff review and energy storage initiatives for utilities and groups throughout North America.

Chris has a Bachelor of Science in Physics and Mathematics from Willamette University and a Master of Science in Building Systems Engineering from the University of Colorado

Mr. Elijah Abinah, Director, Utilities, Arizona Corporation Commission



(2018 NARUC awarded Mr. Abinah with the Terry Barnich Award for promoting international cooperation among utility regulators and development of professional regulation.)

As the Director of Utilities for ACC, Mr. Abinah assists on all matters filed by the Utility Companies regulated by the Arizona Corporation Commission. He helps to coordinate and interact with other Divisions such as the Legal Division, Hearing Division, Commissioners, Commissioners' advisors, other elected officials and Utilities Executives while overseeing various Sections of the Division such as the Financial Regulatory and Accounting ("FRA"), Telecommunication and Energy ("T&E"), Consumer Services and our Administrative group.

From 1994 – 2003 Mr. Abinah supported the Oklahoma Corporation Commission in a variety of positions including Senior Utility Rate Analyst and telecommunication Coordinator.

Mr. Simon Baker, Deputy Director, Energy Division, California Public Utilities Commission



Mr. Baker has worked for California Public Utilities Commission since 2007 with former roles as Branch Manager, Demand Response, Customer Generation & Retail Rates, Supervisor, Energy Efficiency Planning and Lead Regulatory Analyst, Procurement & Resource Planning. Currently as Deputy Director, Energy Division he helps to provide technical support to the Commissioners and their offices, and the Administrative Law Judges. The Energy Division drafts resolutions for formal consideration by the Commission. Resolutions generally result from informal utility requests called Advice Letters, which are submitted by utilities to request rate and tariff adjustments.

The Energy Division through its Federal Policy and Ratemaking Section represents the Commission in Federal Energy Regulatory Commission (FERC) and court proceedings. Prior to working for CPUC, Mr. Baker supported Colorado Springs Utilities as a Senior Conservation Specialist and the Center for Energy & Environmental Policy (CEEP) as a Research Associate. Education: University of Delaware Master of Energy & Environmental Policy Field Of Study Renewable Energy Technology & Policy University of California, Santa Cruz B.A. Field Of Study Environmental Studies/Biology

Mr. Mike Gravely, Team Leader for Energy Technology Systems Integration for the Energy Research and Development Division at the California Energy Commission in lieu of *Mr. Drew Bohan, Executive Director, California Energy Commission*



In this role, he oversees the full spectrum of research activities to improve the California Electric Grid including: implementing the California Smart Grid, assessing future energy storage needs for California, determining the benefit and value of microgrids and distributed energy resources, addressing the grid related issues associated with integrating higher concentrations of renewables, evaluating new advanced generation systems, expanding demand response solutions for California, and addressing natural gas infrastructure safety and reliability. His team is managing over \$250 million in microgrid and energy storage research and demonstration projects. The Energy Commission Research and Development Division is currently managing 20 active microgrid research projects that represent the most diverse set of microgrid in the nation. These microgrid research activities provide insight into microgrid design, performance capabilities, and the overall value microgrids can provide end customers, utilities, grid operators and regulatory oversight agencies.

In his over 15 years at the California Energy Commission, he has held key roles as a scientist, supervisor, office manager, deputy division chief and team leader/senior engineer addressing the wide range of energy issues facing California and the Nation. Over his years with the Commission, he has worked on addressing the challenges facing the electric grid as California transitions to a new world of higher and higher concentration of renewables. He has also worked actively with the government offices of the Department of Energy, Department of Defense, Department of Transportation and other state energy offices such as New York, Massachusetts, Minnesota, and Washington to share information and develop partnerships. He has had the pleasure of overseeing hundreds of research grants to move energy technologies from the laboratory to the field and eventually to commercial success.

Mike has over 30 years of engineering and integration experience in the energy, aerospace and communications fields. Prior to the Energy Commission, Mike served in executive positions in the Federal Government and private industry including managing research, testing and fielding of distributed generation and energy storage systems for the Department of Defense, addressing the business challenges of a startup energy storage company and overseeing a staffing and training company that specialized in serving the utility industry. Mike Gravely has a BSEE from the Virginia Military Institute and an MSEE from California State University at Sacramento.

Mr. Branden Sudduth, Vice President of Reliability Planning and Performance Analysis, Western Electricity Coordinating Council



Branden Sudduth, Vice President of Reliability Planning and Performance Analysis, is responsible for WECC's technical and analysis functions, including Reliability Planning and Assessments, Standards Development, Performance Analysis, Event Analysis, and Situation Awareness.

In his previous role as Director of Reliability Risk Management, Branden provided leadership and strategic direction for the Performance Analysis and Event Analysis/Situation Awareness departments and was responsible for supporting several industry stakeholder efforts through WECC's Operating and Market Interface Committees.

Branden holds a Bachelor of Science degree in electrical engineering from Brigham Young University, a Master of Engineering degree in electrical engineering from the University of Idaho, and an MBA from Weber State University

Dr. Keith Casey, Vice President, Market and Infrastructure Development, CAISO



Keith Casey is Vice President of Market and Infrastructure Development at the California Independent System Operator Corporation (ISO). The division is responsible for developing efficient markets and effective infrastructure planning.

Part of the organization's start-up team in 1997, Dr. Casey served as Director of ISO Department of Market Monitoring from 2005 to 2009 and played a key role in designing a new market and monitoring program that guards against manipulation and fosters healthy competition.

Since 2009, Dr. Casey has served in his current role as Vice President of Market and Infrastructure Development. He is responsible for developing market design and infrastructure policies and overseeing the transmission planning and generation interconnection process to ensure all of these critical functions evolve to effectively address the changing needs of the industry and facilitate California's transition to a greener and smarter electric grid.

Dr. Casey received his Bachelor's degree in Economics from the University of California San Diego. He has a Master's degree in Economics from the University of Maine and earned his Doctorate in Agricultural and Resource Economics with a specialization in Environmental Economics from the University of California Davis.

COL John Hurley, USA, Commander, U.S. Army Engineering and Support Center, Huntsville



About The Huntsville Center:

Executes more than 6,000 contracts valued at \$2.1 billion annually in engineering, construction and technical services in support of strategic national programs such as the design and construction of worldwide chemical weapons demilitarization facilities, Army and Air Force installation facility repair and renewal construction, national energy savings programs, nationwide environmental and ordnance remediation programs, Army medical facilities design oversight, and overseas contingency operations.

Colonel John S. Hurley assumed command of the U.S. Army Engineering and Support Center, Huntsville, July 29, 2016. His previous assignments have included Command of the Japan Engineer District : Japan Engineer District provides quality, professional and comprehensive engineering, construction and other value-added services in support of peacetime and contingency operations in Japan and throughout the Pacific region.

He served as the deputy commander of the U.S. Army Corps of Engineers (USACE), Transatlantic Division (TAD). TAD served as the lead design and construction agent for the Department of Defense in the 20 countries in the Middle East from Egypt through Pakistan. This multi-billion dollar program included military construction, contingency construction in Iraq and Afghanistan, and foreign military sales.

Colonel Hurley commanded the Buffalo District, USACE, from 2006 to 2008. In that capacity, he was responsible for navigation, flood risk management, regulatory and environmental remediation missions for USACE along the Lake Erie, Lake Ontario, and St. Lawrence River watersheds. Following command of this civil works district, he served as the military assistant and later executive officer for the Assistant Secretary of the Army for Civil Works from 2008-2010.

During these assignments, he deployed numerous times to include Operation Uphold Democracy in Haiti and Operation Iraqi Freedom.

Colonel Hurley also holds a master's degree in sociology. He is a licensed Professional Engineer in Missouri, a registered Project Management Professional and is Ranger, Airborne and Air Assault qualified. He has attended Engineer Officer Basic and Advanced Courses, Combined Arms Service Staff School, and the Command and General Staff College.



Marine Corps Installations West (MCIWEST) is comprised of seven Marine Corps Bases and Air Stations in California and one Air Station in Yuma, Arizona. MCIWEST's mission is to provide the facility and training infrastructure to enable Marine Corps air and ground forces to develop and sustain operational readiness. To this end, our primary mission is to support training, sustaining, and deploying the warfighter, and to provide their families with services that enrich their lives.

The varied terrain and climate of the Southwest make it an ideal place to prepare Marines for combat. Forty percent of the Marine Corps' combat power resides in the Southwest, along with 85% of its land holdings. 95% of Marines train in the region (predominantly California) before deploying overseas.

Mr. Jim Zoellick, Managing Research Engineer and Mr. David Carter, Senior Research Engineer, Schatz Energy Research Center, Humboldt State University



Jim Zoellick, Managing Research Engineer

Jim began at the Schatz Center in 1995 as a research engineer working on the development of the first street-legal PEM fuel cell vehicle in the US. He is now a Managing Research Engineer and manages many of the Center's high profile projects. His work involves planning, analysis, project development and implementation, with a special focus on tribal and public sector projects in rural northern California. He led the development of the RePower Humboldt Strategic Plan and has directed planning studies for the development of electric vehicle charging infrastructure throughout rural northern California. Most recently he has worked to develop, deploy and evaluate cutting edge microgrid technology. He co-managed both the Blue Lake Rancheria and the Redwood Coast Airport microgrid projects, and he managed the Solar+ storage project at the Blue Lake Rancheria's gas station/convenience store. Jim's work has also included resource assessment and feasibility studies for wind, small hydro, solar and biomass energy systems, as well as development and demonstration of hydrogen and fuel cell energy systems for vehicular, stationary, portable and remote power applications. Jim has a BS in Environmental Resources Engineering from Humboldt State University. He has taught several college level energy courses and also serves on the City of Arcata Energy Committee.

Dave Carter, Managing Research Engineer Schatz Energy Research Center

Dave Carter is a licensed civil engineer with twelve years of experience completing successful projects under the following disciplines: civil engineering, mechanical engineering, electrical engineering, SCADA system specifications, energy efficiency and renewable planning, permitting, design, economic analysis, commissioning, alternative transportation planning, and Owner's Engineer services. Dave was co-project manager and lead engineer for the Blue Lake Rancheria Microgrid Project. Prior to joining the Schatz Center in 2014, Dave was a Senior Project Engineer and Project Manager at GHD Inc., a global engineering, planning, and environmental science firm. While at GHD, Dave served as the Renewable Energy Service Line Coordinator for GHD's Western USA Operating Center.

Dave is a graduate of HSU's Environmental Resources Engineering program, and interned for the Schatz Center in 2004 and 2005. Dave was a founding member of the Renewable Energy Students Union at HSU and led the student team that won the grand prize in the 2005 National Hydrogen Association H2U student design competition, a project which led to the installation of the hydrogen fueling station at HSU.

Mr. Frank Wolak, Vice President, Fuel Cell Energy



Mr. Wolak joined FuelCell Energy (FCE) in 2003 and is focused on identifying business development opportunities with utilities, and in creating a regulatory and policy environment conducive to wide-scale deployment of FuelCell Energy's power plants. He also directs FuelCell Energy's business and policy initiatives with State and Federal governments and agencies.

Frank has more than 25 years of experience in many facets of the energy industry with both corporate and entrepreneurial organizations including oil and gas operations, power plant investment and development, energy services as well as independent management consulting with renewable and emerging energy companies.

Prior to joining FuelCell Energy, Mr. Wolak was an independent consultant providing clients with management and strategy consulting related to energy, utilities and renewable technologies. He also held executive positions with Noresco (an energy services division of Equitable Resources, Inc.) where he directed the company's Energy Infrastructure business, and Independent Energy Corporation a private power development company. His corporate career in the energy industry began with Tenneco, Inc. where he held engineering and management positions within this integrated oil and natural gas company.

In 2010, he was appointed by the Secretary of Commerce to the Renewable Energy and Energy Efficiency Advisory Committee. Frank is Chairman of the Fuel Cell and Hydrogen Energy Association, the Fuel Cell Seminar and is a founding member of the Connecticut Hydrogen and Fuel Cell Coalition. Mr. Wolak holds a BS in Engineering from Western New England University and an MBA in Finance from the University of Hartford.

Mr. Jonathan Adelman, Vice President, Strategic Resources and Business Planning, Xcel Energy



Jonathan Adelman serves as Area Vice President, Strategic Resource & Business Planning at Xcel Energy. In this role, he is responsible for providing leadership for the development of long-term generation planning and strategic business plans for Xcel Energy's operating utilities. He is responsible for coordinating the overall resource planning process, including meeting all long-term generation capacity needs. Jonathan has over 15 years of experience in a variety of business areas at Xcel Energy, including Commercial Operations, Finance, Human Resources, Marketing, and Resource Planning. He assumed his current position in December 2015.

Prior to joining Xcel Energy, Jonathan worked in public accounting both domestically and abroad. Jonathan graduated from Washington and Lee University in May 1997, receiving a Bachelor of Science degree in Accounting with Special Attainments in Commerce. He just completed a six-year term on the Board of Volunteers for Outdoor Colorado.

Mr. Larsh Johnson, CTO, Stem



As Chief Technology Officer, Larsh Johnson leads hardware and software engineering to meet the unique needs of Stem's C&I, utility and energy market customers. Prior to joining Stem, Larsh was Chief Technology Officer at Siemens Digital Grid, where he led technology development teams on products spanning from consumer metering, demand response and analytics to control center software and grid automation. He joined Siemens via the acquisition of eMeter, a Bay Area software company of which he was a co-founder and responsible for innovation and development of meter data management, analytics and advanced smart grid applications.

Prior to eMeter, he co-founded CellNet Data Systems, a pioneer in wireless networks for smart metering and distribution automation and now a unit of Landis+Gyr, a Toshiba company.

Larsh was a founding member of the Department of Energy's Gridwise Architecture Council (GWAC) and remains a member emeritus. He earned his B.S. and an M.S. in mechanical engineering from Stanford University.

Mr. Nathan Wyeth, Director of Grid Service, Sunrun



At Sunrun, Nathan Wyeth leads engagement with utilities and wholesale markets, enabling residential solar+storage to deliver value to the grid. Prior to this role, he served as Chief of Staff to Sunrun's CEO and worked in emerging markets in renewable energy development and mobile financial services.

Mr. Walker Wright, VP, Public Policy, ENGIE Storage



Since July 2016 Mr. Wright has led public the policy effort and strategy for ENGIE Storage (Green Charge Networks- official re-brand January 2018), a subsidiary of ENGIE.

ENGIE Storage has been designing and deploying commercial energy storage since 2009, with systems installed throughout the United States. As part of ENGIE, the largest independent power producer in the world, the company's mission is to use energy storage to power the world efficiently and sustainably.

In addition to commercial projects, the company develops turnkey grid-scale energy storage. Green Charge energy storage systems are monitored, optimized, and controlled through its proprietary software platform. The system includes storage, a customized indoor/outdoor lithium-ion-based battery storage unit, and software providing visibility and analytics to enable customers to optimize energy use and savings. See less

In addition to work at ENGIE Storage Mr. Wright worked to shape Policy & Go to Market strategy for ENGIE companies in the Distributed Energy Resources (DER) & renewable energy space.

Over the years Walker has testified in numerous regulatory & legislative hearings & provided leadership within various industry trade associations.

Mr. Wright holds a BA from Princeton University & an Msc from The London School of Economics & Political Sciences.

Mr. Erik Felt, Market Development Director, Future Grid RTI (members of the Industrial Internet Consortium and Advisory Board member to RSC)



Erik Felt is the Market Development Director for Future Grid at RTI where he is focused on bringing the benefits of IIoT standards and systems into the utility market. Erik joined RTI after spending seven years with GE Power (including five years with Alstom Grid prior to the GE acquisition) in the Software Solutions/Energy Connections business unit. His focus was on software solutions in the areas of SCADA, Energy Management Systems (EMS), Generation Management Systems (GMS) and Synchrophasor applications.

Throughout his career, Erik has worked with utilities, generation companies and ISO/RTOs worldwide where the rapid changes in technology and the market's diverse needs required implementation across the utility spectrum.

Early in his career, he worked in distribution engineering at two Midwestern utilities and in a consulting role on numerous automation projects for utilities across the Midwest.

Ms. Hanna Grene, Strategy and Partner Development, PXiSE Energy Solutions, LLC - Sempra Infrastructure, LLC



Mr. Grene has over ten years of experience as an adviser and executive in the clean tech sector. She has served as a consultant to the US Environmental Protection Agency and Department of Energy, and has assisted states, local governments, developers, and school districts successfully implement clean energy, transportation, and resiliency initiatives.

As the Head of Strategy and Partnerships for PXiSE (pronounced "spice" without the 's'), Hanna is deploying next-generation grid controls software to optimize renewable energy and distributed assets for microgrids, utilities, and load-serving entities. She completed her MBA at the Rady School of Management at UCSD.

Mr. Bryan Huber, COO, CleanSpark



Bryan Huber serves as the Chief Operating Officer of CleanSpark, a San Diego based technology company whose products and services enable large power users to meet their objectives for utility cost savings, greenhouse gas reductions, and energy security by actively managing their power generation and energy storage resources. Bryan's background includes executive positions spanning feasibility, design, finance, implementation, and operational stages of complex power projects.

As a co-founder of CleanSpark, he has also been integrally involved in the company's software and control technology supporting optimized design and operation of distributed energy projects.

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Roosevelt Strategic Council Onsite Members who will help facilitate questions and discussions with audience throughout the Summit. (Panels will have their own dedicated moderators.)

RSC Advisory Board Member: Colonel (ret) Paul Roege (will also serve as moderator for Military Panel discussion Feb 26)



Colonel (retired) Paul Roege retired from the U.S. Army in 2013 where he served as Chief, Army Operational Energy Office, Pentagon.

In this role, he organized and led a new Army headquarters organization to synchronize the emergent Operational Energy program, established to maximize operational capabilities and ensure global reach through energy. He defined a concept of "energy-informed operations" that integrates energy considerations throughout military systems, planning and operational control processes.

Paul has nearly 40 years of experience as an engineer and leader in engineering, construction, and research, primarily in the energy field. As a US Army engineer officer, Colonel Roege built military infrastructure and led combat engineering capabilities in Europe, Asia, Africa and Central America.

He planned and coordinated reconstruction of Iraqi oil production systems in 2003; later, he developed energy requirements and strategies for military operations, and was an early advocate within the Department of Defense for resilience as a guiding principle for community and national security. Paul also served as a Program Manager within Idaho National Lab and DARPA.

In his civilian career, he led engineering efforts associated with management and decommissioning of US nuclear weapons production facilities, and disposition of plutonium from US and former Soviet weapons programs.

Paul is a registered professional engineer and a West Point alumnus with graduate degrees from Boston University (MBA) and the Massachusetts Institute of Technology (SM and Nuclear Engineer).

Currently, he works with technology developers, communities, and national security leaders to build resilience with energy as a central focus. Paul leads strategic initiatives for Typhoon-HIL, Inc, a leading-edge power system modeling and simulation startup, and technology development for EthosGen, LLC, a heat harvesting innovator. He researches and publishes on energy and resilience topics, with more than 15 papers, articles and book chapters. Partnering with his wife, Colonel Roege is active in youth STEAM and leadership programs.



Managing Partner, Roosevelt Strategic Council. Senior Partner, Defense Strategies Institute (February 2011 – present). DSI is a premier non-partisan organization designed to assist in advancing the mission critical goals of the United States' Military and Government. Through our high level educational training summits and symposiums we are able to reach across all offices and departments in a fair and balanced manner. We bring together Senior Leaders and relevant representatives from the U.S. Military Services, DoD, Federal, Academia and Industry in our neutral forums in order to foster the necessary discussions and debates to help them achieve efficient and effective mission success. Our focus is two fold: Advancing the Mission. Supporting the Force.

Founder and Member of the Board of Directors, Insider Threat Alliance, Inc. (April 2017 – present) The Insider Threat Alliance (ITA), a 501c(3) nonprofit organization, was created to form a non-partisan forum dedicated solely to advancing the federal government and private sector's capabilities to prevent, detect and mitigate insider threats.

Former Head of Government Relations Global Strategies Group (now Sotera Defense Solutions) Global Strategies Group is a leading defense and national security organization providing innovative, mission-critical solutions to government clients in austere environments.

Former Research Analyst to Chairman 2nd Committee, United Nations

Master's Degree in International Politics and Conflict Negotiation, School of International Service- American University, Washington, D.C.. Certification in Political/Military Conflict Negotiation, Inter-American Defense College, Ft. McNair.