

# SMART GRID SYMPOSIUM

May 18-20, 2011. The Dearborn Inn - Dearborn, MI

MICHIGAN PUBLIC SERVICE COMMISSION ■ INSTITUTE OF PUBLIC UTILITIES

## SPEAKER BIOGRAPHIES



**SUSAN ACKERMAN** | [susan.ackerman@state.or.us](mailto:susan.ackerman@state.or.us)

Susan Ackerman is an attorney and was appointed to the Oregon Public Utility Commission in March 2010 by Gov. Kulon-goski. Prior to her service on the OPUC, she was in the private practice of law representing a variety of clients in electricity and natural gas regulatory matters, including electric and natural gas rate cases, pipeline and wholesale power rate cases, transmission matters and contracts, wholesale power sales and contracts, natural gas contracting, competitive procurement, and integrated resource planning, among others. Her clients included public preference customers of a federal power marketing agency, independent power producers, a local natural gas distributor, and the Bonneville Power Administration. She has represented clients before the OPUC, the Washington Utilities and Transportation Commission, the Federal Energy Regulatory Commission, and the National Energy Board of Canada. She currently serves on the Electricity Committee of the National Association of Regulatory Utility Commissioners and was appointed by NARUC Chair David Coen to the NARUC-U.S. DOE Smart Grid Working Group in 2010.



**GEORGE ARNOLD** | [george.arnold@nist.gov](mailto:george.arnold@nist.gov)

George Arnold was appointed National Coordinator for Smart Grid Interoperability at the National Institute of Standards and Technology (NIST) in April 2009. He is responsible for leading the development of standards underpinning the nation's Smart Grid and also co-chairs the White House National Science and Technology Council's Smart Grid policy subcommittee. Dr. Arnold joined NIST in September 2006 as Deputy Director, Technology Services, after a 33-year career in the telecommunications and information technology industry. Dr. Arnold served as Chairman of the Board of the American National Standards Institute (ANSI), a private, non-profit organization that coordinates the U.S. voluntary standardization and conformity assessment system, from 2003 to 2005. He served as President of the IEEE Standards Association in 2007-2008 and Vice President-Policy for the International Organization for Standardization (ISO) in 2006-2009. Dr. Arnold previously served as a Vice-President at Lucent Technologies Bell Laboratories where he directed the company's global standards efforts. In previous assignments at AT&T Bell Laboratories he had responsibilities in network planning, systems engineering, and application of information technology to automate operations and maintenance of the nationwide telecommunications network. Dr. Arnold received a Doctor of Engineering Science degree in Electrical Engineering and Computer Science from Columbia University in 1978. He is a Senior Member of the IEEE and has delivered or authored over 100 talks and publications.



**HAUKUR ASGEIRSSON** | [asgeirssonh@dteenergy.com](mailto:asgeirssonh@dteenergy.com)

Haukur (Hawk) Asgeirsson is the Manager of Power Systems Technologies at DTE Energy. In his current position, he is managing number of grants related to plug-in electric vehicles, energy storage and solar integration, and the effect of distributed energy resources (DER) connecting to the grid. Hawk is also responsible for managing a mobile fleet of Distributed Energy Resources (DER) for supporting distribution circuits and managing all DERs interconnecting to the Detroit Edison electric system. Hawk is a member of GridApp, a consortium of utilities whose mission is to transition best smart grid technologies and best practices into broader use by member utilities. He is also an Electric Power Research Institute (EPRI) Advisor on the Energy Storage program, the Electric Transportation program and the industry chair of the Integration of Distributed Renewable program. Mr. Asgeirsson received his bachelor and master's degrees in electrical engineering from the University of Michigan. He is a member of the board of directors of DTE Engineering Services, Inc., the University of Michigan Transportation Research Institute Advisory Board, the Institute of Electrical and Electronics Engineers and is a registered engineer in Michigan.



**DAVID BATZ** | [dbatz@eei.org](mailto:dbatz@eei.org)

David Batz joined Edison Electric Institute in 2009 as Manager, Cyber & Infrastructure Security in the association's Energy Delivery group. Mr. Batz assists EEI member companies with understanding and applying appropriate cyber security solutions to address emerging threats and issues. He has provided professional technology and security solutions and services for more than 24 years, the last ten being focused on Cyber Security issues for utilities and critical infrastructure protection. In addition to working on security issues on behalf of EEI Member companies Batz assists in the coordination and articulation of policy positions concerning Smart Grid. Prior to joining EEI, Batz was a Cyber Security Risk Manager with Alliant Energy, an electric and gas utility serving customers in Iowa and Wisconsin. During his 20-year tenure with Alliant Energy, Batz performed in a variety of roles within the Information Technology and Facility Services departments. Batz is a Certified Information Systems Security Professional (CISSP), has multiple SANS GIAC certifications and brings real world technical experience to the table.



**JANICE BEECHER** | [beecher@msu.edu](mailto:beecher@msu.edu)

Dr. Beecher is a Professor and Director of the Institute of Public Utilities at Michigan State University. She brings more than twenty-five years of experience in public utility regulation to the IPU and is responsible for Institute development, program management, and interdisciplinary research in support of the IPU's mission of service to the regulatory policy community. Dr. Beecher's appointment is in the College of Social Science, where she is affiliated with the Master of Public Policy Program of the Departments of Political Science and Economics. Her areas of interest include regulatory theory, institutions, and policy; commission organization and strategic planning; and comparative utility industry analysis. She has particular expertise in the structure, economics, and regulation of the water industry. Dr. Beecher is a frequent lecturer and the author of several research reports and other publications. Prior to joining the IPU, she was an independent policy consultant and held senior research and adjunct faculty positions at The Ohio State University and Indiana University.

She also worked on staff as a policy advisor to the chairman of the Illinois Commerce Commission. She has Ph. D. in Political Science from Northwestern University.



**PAUL CENTOLELLA** | [paul.centolella@puc.state.oh.us](mailto:paul.centolella@puc.state.oh.us)

Paul A. Centolella is a Commissioner for the Public Utilities Commission of Ohio. Commissioner Centolella currently serves as the Vice President of the Organization of PJM States and is a member of National Association of Regulatory Utility Commissioners (NARUC) Smart Grid Working Group, NARUC's Climate Change Task Force, the NARUC Energy Resources and Environment Committee, and the Federal Energy Regulatory Commission / NARUC Smart Response Collaborative. He also represents NARUC on the Electric Power Research Institute's Advisory Council and serves on the Advisory Council's Executive Committee. In 2009, Commissioner Centolella was elected to serve on the Governing Board of the Smart Grid Interoperability Panel (SGIP), representing state and local utility regulators. SGIP is a public – private partnership of more

six-hundred organizations created by the U.S. National Institute of Standards and Technology to coordinate and accelerate the development of standards for the smart grid. Before joining the Commission, Paul was a Senior Economist in the Energy Solutions Group of Science Applications International Corporation (SAIC), where he managed projects involving the design of energy and environmental markets, the integration of modern information and communications technology into electric power system operations, and economic analyses of energy markets and policies. Prior to working at SAIC, he served as the Senior Energy Policy Advisor and a Senior Utility Attorney for the Office of the Ohio Consumers' Counsel (OCC), where he helped develop market-based approaches to environmental regulation, which accelerated emission reductions and reduced the costs of the 1990 Clean Air Act Amendments. He also has practiced law in California and Washington State. Mr. Centolella earned a bachelor's degree with honors in economics from Oberlin College and his J.D. from the University of Michigan Law School.

**LAURA CHAPPELLE** | [laurac@chappelleconsulting.net](mailto:laurac@chappelleconsulting.net)

Laura Chappelle is an active attorney and consultant in the state of Michigan, specializing in energy consulting. She currently works as a consultant to various energy companies and organizations, including the PJM Power Providers Group (P3) and Grid Net. Ms. Chappelle's immediate past state government position was as a Commissioner with the Michigan Public Service Commission (PSC). Ms. Chappelle was initially appointed as the Chairman of the Commission by Governor John Engler in 2001, serving as Chairman until August of 2003, and as a Commissioner until June, 2007. During her term at the Commission, Ms. Chappelle took an active role in issues relating to various energy and telecommunication issues. Prior to her appointment to the Commission, Ms. Chappelle served as deputy legal counsel for Governor John Engler and was his regulatory affairs coordinator. She also served as the regulatory affairs advisor to the House of Representatives, legislative aide for Senator William Van Regenmorter, attorney for House Speaker Paul Hillegonds, and as an assistant prosecuting attorney with the Saginaw County Prosecutor's Office. She is currently teaching Energy Law – a course she initiated in 2007 - at both the Michigan State University College of Law and the Thomas M. Cooley Law School. Ms. Chappelle holds a B.A. from the University of Michigan and a J.D. from the Thomas M. Cooley Law School.



**RON CHEBRA** | [ron.chebra@kema.com](mailto:ron.chebra@kema.com)

Ronald (Ron) Chebra is a Vice President with KEMA's Management Operations and Consulting Business Line and is responsible for their North American Advanced Metering Infrastructure/Smart Grid (AMI/SG) practice. He has an extensive background in communication systems and telemetry services, with a specialty in business requirements and strategy. He and his team have been involved in a number of client engagements where they are evaluating strategies, technical options, and economic considerations for Smart Grid and Advanced Metering. Some of his team's client engagements have included leading utilities such as Con Edison, Duke Energy, PSE&G LADWP, SCE, Consumers Power, City of Glendale, (CA); Nashville Electric Company, Vectren, City of Leesburg Florida and others as well as the US Navy. The areas of focus for many of these engagements have included: strategic planning, functional requirements definition, technology options and analysis, economic modeling, program/project planning and implementation program management.



**PAUL CHODAK** | [pchodak@aep.com](mailto:pchodak@aep.com)

Paul Chodak is president and chief operating officer for Indiana Michigan Power (I&M), an operating company of American Electric Power (AEP). As president, Paul has fiscal responsibility generation, transmission, and distribution within the I&M footprint as well as oversight of a wide range of operational, customer, and regulatory issues. Chodak was appointed to his current role in 2010 after serving as president and chief operating officer for Southwestern Electric Power Company (SWEPCO). Chodak began his career with AEP in 2001 as a senior project manager. In 2002, he was named director of

regional engineering for regulated generation, working with a team that provided engineering support for power plants. He was named managing director, corporate technology development in 2003, and led a team that evaluated existing pollution control technologies and recommended solutions to meet environmental compliance requirements. In 2004, Chodak led efforts to implement AEP's environmental compliance plan as director, environmental programs and was responsible for more than \$2 billion of capital investments. In early 2007, Chodak was named director, new generation, responsible for the installation of several natural gas fueled power plants, both simple- and combined-cycle plants, as well as AEP's integrated gasification combined cycle (IGCC) program. Prior to joining AEP, Chodak was a staff scientist at Los Alamos National Laboratory conducting research on technology and policy issues concerning nuclear power and proliferation risks. Chodak served more than seven years in the U. S. Navy as a submarine officer, earning numerous commendations and completing both submarine and chief engineer officer qualifications. He earned a doctorate degree in nuclear engineering from Massachusetts Institute of Technology in 1996. He holds a Master's degree in civil engineering from Virginia Polytechnic Institute and State University, and a Bachelor of Science degree in chemical engineering with honors from Worcester Polytechnic Institute.



**LIESL CLARK** | [llark@5lakesenergy.com](mailto:llark@5lakesenergy.com)

Liesl Eichler Clark is a principal and co-founder of 5 Lakes Energy, LLC. Prior to 5 Lakes Energy, Liesl was Deputy Director for the Michigan Department of Energy, Labor and Economic Growth with responsibility over the energy sector including renewables, energy efficiency and coordination with the Michigan Public Service Commission. For 15 episodes, Liesl was the host of "Michigan's Energy Future Today", a Telly award-winning cable-access program. The show was designed to share information about energy policy and initiatives with the residents of Michigan in an accessible and interesting way. Prior to DELEG, Liesl worked in the Governor Granholm's office doing policy work including renewables and energy efficiency, agriculture, environment and natural resources. Liesl also did energy policy at the Department of Agriculture supporting renewables and biofuels policy development including running the Renewable Fuels Commission. Before Liesl's eight years in the public sector, she worked for Accenture as a business consultant specializing in customer relationship management for the automotive industry. While working for the state of Michigan full-time, Liesl finished a Masters in Public Administration from Michigan State University. Liesl has a degree in International Relations and Political Economy from James Madison College at MSU.



**BILL CLOUTIER** | [cloutierw@dteenergy.com](mailto:cloutierw@dteenergy.com)

Bill is currently Manager of Smart Grid Interoperability Standards at DTE Energy located. His responsibilities include leading the coordination of Smart Grid Standards development and compliance for DTE Energy. Prior to his current role, Bill lead all technical aspects of the AMI project team, including technology selection, pilot implementation and testing. Bill has 30 years of broad based electric utility experience with DTE Energy. He has held several engineering and leadership positions in Customer Service, Distribution Operations, Information Technology, Distribution Engineering and Nuclear Generation. Bill holds a Bachelors degree in Electrical Engineering from Wayne State University. He has also completed several technical and leadership related professional training programs. Bill serves as Chairman of the Itron User Advisory Board, represents Detroit Edison as the voting member on the Smart Grid Interoperability Panel and is a member of the UCAlug OpenSG Technical Committee.

**LILLIE CONEY** | [coney@epic.org](mailto:coney@epic.org)

Lillie Coney is Associate Director of the Electronic Privacy Center (EPIC). EPIC is a public policy think tank based in Washington DC. It began in 1994 with a mission of raising public awareness and focusing debate on issues that impact privacy rights. Ms. Coney joined EPIC in 2004 to head up the organization's voting privacy project. In 2005, she took on EPIC work related to coalition development and civic participation. She has testified before U.S. House Committees on Judiciary and Homeland Security on matters related to the smart grid, cyber security and Watch Lists. She testified before the Department of Homeland Security Data Privacy and Integrity Advisory Committee on CCTV surveillance, and Fusion Centers. Ms. Coney works to identify emerging privacy challenges presented by new technology, applications, and policy. She is serving on the NIST Smart Grid Interoperability Panel – Cyber Security Working Group Subcommittee on Privacy.



**PAUL DE MARTINI** | [pauldemarti@cisco.com](mailto:pauldemarti@cisco.com)

As Chief Technology Officer and Vice President of Innovation for Cisco's Connected Energy Group, Paul leads development of the global business architecture for Connected Energy. He drives Cisco's utility and energy sector policy, standards and intellectual property rights portfolio as well as research and development. Previously, Paul was vice president of Advanced Technology at Southern California Edison (SCE). His team led SCE's Smart Grid strategy, along with policy and technology research and development. The team's research and development scope included applications of high temperature superconductivity, energy storage, electric vehicles, workforce of the future and a wide range of smart grid related energy and information technologies. Earlier, he held executive positions with ICF International, Sempra Energy, Coastal Oil & Gas and PG&E Corporation. He holds an MBA from the University of Southern California, a BS from the University of San Francisco and completed the technology management program at the California Institute of Technology. Paul is currently a Fellow of the Wharton School, University of Pennsylvania.



**VINCENT DOW** | [dowv@dteenergy.com](mailto:dowv@dteenergy.com)

Vincent Dow is presently Vice President for DTE Energy. He is responsible for the engineering, operation and maintenance of the Detroit Edison distribution system. He is also responsible for grid strategy, NERC compliance and other distribution technologies including solar, storage, electric vehicles and system interconnections. Dow has been employed at DTE/Detroit Edison since 1979. During that time, he has served in many roles, including: Director of Power Delivery Operations, Director of Customer Communication Center, and Director of Change Management. Other areas of responsibility have included Manager of Field Service, Manager of Construction and Maintenance-Thumb, Manager of Work Management System and Manager of Emergency Preparedness as well as various engineering roles. Mr. Dow is on the Board of Directors and Executive Group of the Better Business Bureau of Southeastern Michigan; Treasurer and member of the board and committees of the Gleaners Community Food Bank; Trustee for Kettering University, Advisor Committee for University of Michigan – Dearborn Engineering, Committee member on the Farmington Hills Commission for Energy and Environmental Sustainability, Co-chair of the National Utility Training Trust Fund, and a Board member for Midwest Energy Association. Dow's educational background consists of an MBA in Organizational Management from Wayne State University and a BSEE in Electrical Engineering from Lawrence Technological University. He is a certified instructor for 9 Phase Change model and a former liaison to the Society of Organizational Learning. Further, he is a registered Engineer with the State of Michigan and belongs to the Engineering Society of Detroit.



**PAUL FELDMAN** | [paul@PaulJFeldman.com](mailto:paul@PaulJFeldman.com)

Paul J. Feldman is Chairman Emeritus and current Board Director of MISO, he is also an Independent Director of the Western Electricity Reliability Council - WECC (the largest NERC Region) that is responsible for electric reliability in the 14 far west states and parts of Mexico and Canada. Mr. Feldman was appointed by Secretary Chu to serve on the NCC and advise on matters related to electricity. In addition, he serves on several energy company Advisory Boards, and is an Operating Partner with the Element Fund, a clean tech investor. Mr. Feldman began his career with AT&T and Bell Labs where he remained for 20 years in positions of increasing responsibility until leaving as VP of Consumer Products. While at AT&T he held senior positions in marketing, sales, R&D and Manufacturing. After leaving AT&T, he was CEO of Utilicorp United and Columbia Energy, and founded/sold 2 new ventures in the energy and technology area. His educational background includes Theology, a Bachelor of Arts in Mathematics and a Masters in Economics, with advanced work towards a PhD in Econometrics. Additionally, Mr. Feldman was also an Associate Professor at Cleveland State University.



**GARY GAUTHIER** | [garyg@nextenergy.org](mailto:garyg@nextenergy.org)

Gary Gauthier is currently the Director, Business Development for NextEnergy, a nonprofit organization started by the State of Michigan in 2002 to help accelerate technologies, relationships and policies for renewable and alternative energy. Gary holds a BSME from General Motors Institute (Kettering University) and has held numerous executive management positions in automotive supplier companies primarily focused on new product development and commercialization. Over the past 7 years he has been primarily involved in alternatively powered transportation with a primary focus on electric vehicles and their interaction with the electric grid.



**ED GRAY** | [ed.gray@us.elster.com](mailto:ed.gray@us.elster.com)

Ed Gray is Vice President of Legislative and Regulatory Affairs at Elster Solutions where he is responsible for policy development and execution at the federal and state levels. He has over 35 years experience in the electricity industry. He has been on advisory committees for the GridWise Alliance, National Electrical Manufacturers Association, and US Government Accountability Office. Before Elster, he worked at the National Electrical Manufacturers Association where he drafted provisions of the Energy Policy Act of 2005 and Section XIII (Smart Grid) of the Energy Independence and Security Act of 2007. At the Electric Power Research Institute he worked on advanced nuclear plant technology and technology transfer for multiple technologies (nuclear, fossil, renewables). He worked at the Tennessee Valley Authority on nuclear plant safety and environmental assessment of all proposed generating plants. He worked at the US Nuclear Regulatory Commission on nuclear power plant safety. While a naval officer he served on two nuclear submarines in engineering and communications. He has a BS in Nuclear Science from the US Naval Academy and an MS in Nuclear Engineering from Ohio State.

**KARIN HIETA** | [karin.hieta@cpuc.ca.gov](mailto:karin.hieta@cpuc.ca.gov)

Karin Hieta is a senior analyst with the California Public Utilities Commission's (CPUC) Division of Ratepayer Advocates (DRA). The CPUC is about to issue a decision adopting comprehensive privacy rules related to customer energy usage data, and California was the first state to adopt a law specifically addressing such. Karin has been instrumental in advocating for strong, comprehensive privacy rules. She is currently the project lead in the Smart Grid proceeding, and has actively participated in reviewing utility project proposals for federal stimulus funding for Smart Grid, formulating the framework for utility Smart Grid deployment plans, and ensuring that consumers benefit from a smarter grid. Karin has performed advocacy and analytical work in key energy proceedings, including Smart Grid, smart meter cost analysis, review of storage facility applications, the California Solar Initiative, Direct Access, and development of feed-in and combined heat and power tariffs. Previously, she conducted analyses, testified as an expert witness, and advocated in major telecommunications proceedings including review of telecommunications regulation, major carrier mergers, application of the California Environmental Quality Act to

telecommunications carriers, and review of public purpose programs. Karin received an M.A. in Spiritual Psychology from the University of Santa Monica. She received a B.S. in Geography and B.S. in General Social Sciences from Portland State University.



**PATRICIA HOFFMAN** | [patricia.hoffman@hq.doe.gov](mailto:patricia.hoffman@hq.doe.gov)

Patricia Hoffman was named Assistant Secretary for the Office of Electricity Delivery and Energy Reliability (OE) at the United States Department of Energy (DOE) in June 2010 after serving as Principal Deputy Assistant Secretary for OE since November 2007. Assistant Secretary Hoffman provides leadership on a national level on electric grid modernization, enhancing the security and reliability of the energy infrastructure and facilitating recovery from disruptions to the energy supply. This is critical to meeting the nation's growing demand for reliable electricity by overcoming the challenges of our nation's aging electricity transmission and distribution system and addressing the vulnerabilities in our energy supply chain. Ms.

Hoffman holds a Bachelor of Science and a Master of Science in Ceramic Science and Engineering from Pennsylvania State University.

**DOUG HOUSEMAN** | [dhouseman@enernex.com](mailto:dhouseman@enernex.com)

Doug Houseman is the Vice President of Technology and Innovation for EnerNex. With more than 30 years experience he is one of the few members of the industry who has worked globally. Doug has been involved in projects in more than 30 countries and was named part of the World Generation Class of 2007. Doug was the lead investigator on the "Distribution Technology Roadmap 2025 which was published in 2004. Doug is leading the Smart Grid Interoperability Panel (SGIP) Conceptual Architecture and has been a member of the ARPA-E project selection team. Doug was the CTO for Energy for Capgemini managing the technology choices for Capgemini's 2.4 billion dollar global energy practice. Doug is a member of the IEEE Smart Grid Vision Project, a founder of the IEEE Intelligent Grid Coordinating Committee and the coordinator for Smart Grid Education for IEEE PES. Doug developed the business case for CRE in France for smart metering and the framework for OFGEM the smart grid business case in the UK. Doug's most recent publication is the "Low Carbon Diet". Doug is a life-long resident of Michigan and a graduate of the US Naval Academy.



**ERFAN IBRAHIM** | [eibrahim@epri.com](mailto:eibrahim@epri.com)

Erfan Ibrahim is a Technical Executive in the Intelligrid program area of the Power Delivery & Utilization Sector of the Electric Power Research Institute. He manages the Security Program within Intelligrid that covers transmission, distribution and end use cyber security issues. In October 2010, Dr. Ibrahim was made the EPRI lead on the Department of Energy funded NESCOR (National Electric Sector Cyber Security Organization Resources) project – a 3 year public private partnership established to secure the electric sector. Before joining EPRI, Dr. Ibrahim founded and managed The Bit Bazaar LLC (TBB), a full service IT and business consulting firm, offering services to clients in the High Tech, Financial Services, and

Energy sectors. Prior to establishing The Bit Bazaar LLC, Dr. Ibrahim's career included the following positions: VP of Sales & Marketing at Jyra Research, Product Manager for Network Management at Pacific Bell Network Integration (now AT&T), Science and Math Lecturer at National University, Nuclear Fusion Research Engineer at UCLA and Plasma Physicist at Lawrence Livermore National Lab. Dr. Ibrahim received a Ph. D. in Nuclear Engineering from University of California Berkeley, an MS in Mechanical Engineering from the University of Texas Austin, and a B.S. Honors in Physics from Syracuse University (Suma Cum Laude).

**MARJORIE ISAACSON** | [marjie@cntenergy.org](mailto:marjie@cntenergy.org)

Marjorie Isaacson is the Director of Research at CNT Energy, a division of the Center for Neighborhood Technology. She has helped develop and implement the largest residential real-time electricity pricing programs in the country. She's also the proud owner of a 3.6 kW PV array, installed at her home in 1999. She was the first customer established on ComEd's interconnection program in 2000, and has sold power back to the utility since that time.



**ORJIAKOR ISIOGU** | [isioguo@michigan.gov](mailto:isioguo@michigan.gov)

Orjiakor N. Isiogu was appointed by Governor Jennifer M. Granholm to serve as Chairman of the Michigan Public Service Commission. Chairman Isiogu has two decades of experience in public service and the regulation of public utilities and telecommunications services. Prior to his appointment, he served as the Director of the Telecommunications Division of the Michigan Public Service Commission. In addition, Mr. Isiogu was responsible for the administration of the historic Michigan Children's Protection Registry Act and the Uniform Video Services Local Franchise Act. Prior to acting as Director of the Telecommunications Division, Mr. Isiogu was an Assistant Attorney General in the Special Litigation Division of the Michigan Attorney General's office where he served since 1989. He is Co-Chair of the Smart Response Collaborative effort

between the Federal Energy Regulatory Commission (FERC) and the National Association of Regulatory Utility Commissioners (NARUC), and also serves as Co-Chair of NARUC's White House Smart Grid Working Group. In addition, he convened the Michigan Plug-In Vehicle Preparedness Taskforce in an effort to bring together the knowledge and expertise of a very diverse team of stakeholders to discuss and plan for the seamless customer experience and acceptance of Plug-In Electric Vehicles (PEV) in the state of Michigan. Mr. Isiogu earned his law degree from Wayne State University Law School and holds an undergraduate degree in political science from Wayne State University. Mr. Isiogu is admitted to practice in all Michigan courts, Eastern and Western Division of Michigan Federal District Court and the United States Court of Appeals for the 6th Circuit.



**MICHAEL JUNG** | [mjung@silverspringnet.com](mailto:mjung@silverspringnet.com)

Michael Jung serves as Policy Director at Silver Spring Networks, a leading provider of networking equipment and smart grid services for utilities across the country and around the world. He is also a founding board member of Smart Grid Oregon and serves as a lecturer with the National Regulatory Research Institute and Portland State University. Prior to joining Silver Spring Networks, Michael served as an energy policy advisor to the campaign and administration of Ohio Governor Ted Strickland, where he was an architect of milestone energy legislation in 2008, Ohio Senate Bill 221. He previously managed climate change policy at American Electric Power and also worked as chief of staff to the President/COO of the company's flagship operating company, AEP Ohio. Michael has served as a U.S. Fulbright Fellow, holds a black belt in Tae

Kwon Do, was once a competitive ballroom dancer, and is an Eagle Scout. He is a graduate of Phillips Exeter Academy, Yale College, and the Harvard Kennedy School of Government.



**ERIK KALLIO** | [erik.kallio@us.army.mil](mailto:erik.kallio@us.army.mil)

Mr. Erik Kallio is the Team Leader for Transportation Energy Security at the US Army's Tank Automotive Research, Development Engineering Center's National Automotive Center. This team is responsible for project formulation and execution in the areas micro grids, hydrogen technologies and advanced propulsion for non-tactical vehicles. The overall goal of the team is to support the Army's Energy Security Goals as they relate to transportation and the supporting infrastructure. Mr. Kallio has worked at TARDEC for 10 years with prior assignments in the fuel cell technology area. He also served as a Staff Specialist for Energy Power Technologies on a yearlong developmental assignment with the Office of the Deputy Under Secretary of Defense for Science and Technology. In this position he was involved in many of the formative Department of

Defense actions that helped shaped current energy policy for the military services and the Department overall. He has BS and MS degrees in Chemical Engineering from Michigan Technological University and is currently pursuing a PhD in Mechanical Engineering from Michigan Technological University.



**ROBERT KENNEY** | [robert.kenney@psc.mo.gov](mailto:robert.kenney@psc.mo.gov)

Commissioner Robert S. Kenney was appointed to the Missouri Public Service Commission by Governor Jay Nixon and unanimously confirmed by the Missouri State Senate. Commissioner Kenney is an active member of the National Association of Regulatory Utility Commissioners. He serves on the Committee on Energy Resources and the Environment, the Consumer Affairs Committee, and the International Relations Committee. He also serves on the Executive Committee of the Organization of MISO States. Prior to his appointment to the PSC, Commissioner Kenney served as Missouri Attorney General Chris Koster's first Chief of Staff. Commissioner Kenney also practiced commercial and business litigation as a shareholder at the St. Louis law firm Polsinelli Shalton Flanigan Suelthaus PC. Commissioner Kenney also served as an

Assistant Attorney General in the Missouri Attorney General's Office for nearly three years, practicing in the Consumer Protection Division. Commissioner Kenney earned his undergraduate degree from Hampton University in Hampton, Virginia and his law degree from Saint Louis University School of Law.



**DAN LOHRMANN** | [lohmann@michigan.gov](mailto:lohmann@michigan.gov)

Daniel J. Lohrmann is Michigan's Chief Technology Officer (CTO) and Director of the Infrastructure Services Administration within the Michigan Department of Technology, Management and Budget (DTMB). Dan previously served as the State of Michigan's first Chief Information Security Officer (CISO) and Director of Enterprise Security from May 2002 until January 2009. Dan was named CSO of the Year by SC Magazine and Public Official of the Year by Governing Magazine in 2008. Dan has over 25 years experience in the computer industry, beginning with the National Security Agency (NSA) in Washington, D.C. He spent three years in England as a senior network engineer for Lockheed Martin (formerly Loral Aerospace) followed by four years as IT Director for ManTech International on a US/UK military base. In 1997, Dan moved to Michi-

gan where he served as CIO and IT Services Director for the Michigan Department of Management and Budget. Over the past decade, Dan has led both public and private organizations. Dan served as President of Michigan InfraGard Member Alliance in 2006-2007 and chairman for 2008-2009. During his tenure as CISO, Lohrmann sat on the Department of Homeland Security's IT Government Coordinating Council (IT-GCC). Prior to his role as Michigan CISO, Dan was the Senior Technology Executive for e-Michigan, the agency responsible for digital government in Michigan. Playing a central role in the success of the Michigan.gov portal launch in July 2001, he served as technical advisor and program manager for the Director of e-Michigan and the Governor on implementing enterprise-wide digital government projects. Dan holds a Masters Degree in Computer Science (CS) from Johns Hopkins University in Baltimore, Maryland, and a Bachelors Degree in CS from Valparaiso University in Indiana.



**WAYNE LONGCORE**

Wayne R. Longcore is Chief Solution Manager at SAP and former Director of Enterprise Architecture & Standards and Chief Architect for Consumers Energy. As the utility's chief architect, Mr. Longcore's responsibilities encompassed Information Technologies, Operational Technologies and Network Technologies. Mr. Longcore was previously the company's chief architect for its Smart Grid Program, with a stated goal of providing communications and control infrastructure for the evolving smart grid including metering, distribution modernization, demand response and load control. His work for Consumers Energy and his positions as board member and chair of many national Smart Grid standards and architecture bodies

involves the responsibility of assuring that as an industry, we reach an optimal standards based architectural direction. His work over the last 5 years has been almost solely dedicated to promoting a consistent vision, architecture and interoperable standards to foster the future of the utilities industry. Mr. Longcore serves as Vice Chairman of the board of directors of the Utility Communication Architecture International users group (UCAIug), a member of the Audit Committee for UCAIug and a member of the OpenSG technical committee. He also serves as a Governance Board member of the National Institute of Standards and Technologies (NIST) Smart Grid Interoperability Panel (SGIP), and is the Governance Board representative to the SGIP Program Management Office. He participates in the NIST SGIP Vision Mission and Roadmap team and on the SGIP Architecture Council (SGAC). He also is one of the 13 members of the GridWise Architecture Council for the U.S. Department of Energy (DOE). He and his team have worked diligently to foster collaboration and consensus across the many areas of influence of the UCAIug and other national and international alliances, standards organizations and governmental efforts.

## **ART MARIA** | [art.maria@att.com](mailto:art.maria@att.com)

Art Maria has over 30 years of experience in wireless, telecommunications and information technology. He is a Certified Information Systems Security Professional (CISSP) and Chief Enterprise Architect leading our Enterprise Architecture workshops and industry engagements across market segments. Prior to this position, Mr. Maria was Director of Systems Engineering (Western Region) for Cingular Wireless and Director of Core Network Data Products for AT&T Wireless Multi-Media Services (MMS). He holds 6 patents focusing on network security. Mr. Maria worked as Director of Systems Support for the University of Washington Medical Centers and for Puget Sound Power and Light Company in various technical and information systems management positions including Manager of Applied Technology and Senior Information Systems Consultant. Mr. Maria retired as a Commander from the US Naval Reserve, and worked in banking (Rainier National Bank, Peoples Bank), computer manufacturing technology (Sperry Univac), and local government as a systems analyst and engineer.

## **EARL DANIEL MATHIS** | [earl.mathis@navy.mil](mailto:earl.mathis@navy.mil)

Currently the Mission Assurance Division (MAD) Energy Security and Industrial Control Systems (ICS) Mitigation Programs Manager for the Assistant Secretary of Defense for Homeland Defense and Americas' Security Affairs, Mr. Mathis has worked in the area of Critical Infrastructure since his arrival at the Joint Program Office for Special Technology Countermeasures at the Naval Surface Warfare Center, Dahlgren VA in 1995. The Mission Assurance Division, (MAD) has been engaged in analysis and assessment of commercial and defense infrastructures since 1990, and had been the lead integration agent for the Defense Critical Infrastructure Program. Mr. Mathis has held numerous positions in the MAD including, Division Chief, Deputy Division Chief, and Senior Technical Innovations and Integration Advisor. Prior to that he was the Special Assistant for Program Implementation, Director Defense Critical Infrastructure Program, the Office of the Assistant Secretary of Defense for Homeland Defense. He is currently designated by OASD (HD&ASA) as the DoD ICS Mitigation Program Manager, responsible for continuing the Aurora industrial control system vulnerability and mitigation program. From 2001 to 2004, Mr. Mathis was the Deputy Program Manager for the Joint Program Office for Special Technology Countermeasures (JPO-STC) and Program Manager of the Critical Infrastructure Protection Program during the executive agency of US Army and OASD(C3I). Previously with the US Army, Mr. Mathis was the Executive Officer of the US Army Support Group (Forward), Al Khobar, Saudi Arabia during Desert Shield/Storm, and Chief of Command Cost Analysis, US Army Depot System Command. He received his undergraduate degree in Public Administration/Operations Analysis from Jacksonville State University (1970-74).

## **MATT MCCAFFREE** | [matt.mccaffree@opower.com](mailto:matt.mccaffree@opower.com)

Matt McCaffree leads OPOWER's regulatory research agenda, outreach efforts on measurement and verification, and privacy and data access strategy. He routinely interacts with state regulatory commissions and various stakeholder groups across the country to discuss the OPOWER platform, best practices in utility-administered energy efficiency, and energy policy. Since moving into the electric power and natural gas utilities industry, Mr. McCaffree has focused on policies and business models that will drive energy efficiency programs at utility scale and that will engage the greatest number of consumers. Immediately prior to joining OPOWER, Mr. McCaffree advised electric utilities on demand side management program design and regulatory issues at the Institute for Electric Efficiency and with the Brattle Group, a leading economic consulting firm. Mr. McCaffree has also held positions at the International Telecommunication Union, the World Health Organization, and the United Nations Educational, Scientific and Cultural Organization (UNESCO). He holds a Master of Arts in Law & Diplomacy from The Fletcher School at Tufts University.



## **MICHAEL MCDANIEL** | [mcdaniem@cooley.edu](mailto:mcdaniem@cooley.edu)

Michael McDaniel joined the Thomas M. Cooley Law School in January, 2011 to establish a Homeland and National Security Law program. The School intends to offer classes beginning in September 2011. Besides serving as the Director of the new Homeland Security Law program, he is also an Associate Professor of Constitutional Law. Previously, Mr. McDaniel was the Deputy Assistant Secretary for Homeland Defense (HD) Strategy, Force Planning and Mission Assurance from August, 2009 to January 2011. He advised the Secretary of Defense, Under Secretary of Defense for Policy, and Assistant Secretary of Defense for Homeland Defense and America's Security Affairs on all HD-related strategies. Brigadier General McDaniel was appointed by the Michigan Governor as her Advisor on Homeland Security, on February 5, 2003 and served in that capacity until July 31, 2009 while simultaneously serving as the Assistant Adjutant General for Homeland Security, Michigan National Guard. BG McDaniel served as a member of the National Governors Association's Homeland Security Advisors Council. He was elected to the eight-member Executive Committee in 2006, and re-elected in 2008. BG McDaniel has a Bachelor of Arts degree from St. Bonaventure University, a Juris Doctorate degree from Case Western Reserve University School of Law, a Master of Strategic Studies degree from the Army War College, and a Master of Arts in Security Studies (Homeland Security) degree from the Naval Postgraduate School.



**JOHN D. McDONALD** | [johnd.mcdonald@ge.com](mailto:johnd.mcdonald@ge.com)

John D. McDonald, P.E., is Director, Technical Strategy and Policy Development for GE Digital Energy. In his 36 years of experience in the electric utility industry, John has developed power application software for both Supervisory Control and Data Acquisition (SCADA)/Energy Management System (EMS) and SCADA/Distribution Management System (DMS) applications, developed distribution automation and load management systems, managed SCADA/EMS and SCADA/DMS projects, and assisted Intelligent Electronic Device (IED) suppliers in the automation of their IEDs. John received his B.S.E.E. and M.S.E.E. (Power Engineering) degrees from Purdue University, and an M.B.A. (Finance) degree from the University of California-Berkeley. In his twenty-three years of Working Group and Subcommittee leadership with the IEEE Power & Energy Society (PES) Substations Committee, John led seven Working Groups and Task Forces who published Standards/Tutorials in the areas of distribution SCADA, master/remote terminal unit (RTU) and RTU/IED communications protocols. John was elected to the Board of Governors of the IEEE-SA (Standards Association) for 2010-2011 and was elected to Chair the NIST Smart Grid Interoperability Panel (SGIP) Governing Board for 2010-2011. John is co-author of the book Automating a Distribution Cooperative, from A to Z, published by the National Rural Electric Cooperative Association Cooperative Research Network (CRN) in 1999. John was Editor of the Substations Chapter, and a co-author, for the book The Electric Power Engineering Handbook, co-sponsored by the IEEE PES and published by the CRC Press in 2000. John is Editor-in-Chief, and Substation Integration and Automation Chapter author, for the book Electric Power Substations Engineering, Second Edition, published by Taylor & Francis/CRC Press in 2007.



**PATRICK MILLER** | [patrick@energysec.org](mailto:patrick@energysec.org)

Patrick Miller is a security executive who has dedicated his career to the protection and defense of the nation's critical energy infrastructure. He is the founder of EnergySec and currently its President and CEO. This nonprofit information sharing organization began as a few colleagues meeting for lunch and has grown into a nationwide effort to promote sound security principles in the energy industry through the National Electric Sector Cybersecurity Organization (NESCO) program. One of his strengths is the diversity of his professional experience. In Energy, he has held positions with a utility asset owner, a regulator, and a private consulting firm. He has also held key positions in the Insurance, Internet and Telecommunications sectors. Among other credentials he holds the CISA, CRISC, CISSP, ISSAP, SSCP, CEH and IAM certifications. Patrick is an active member of several critical infrastructure security working groups and a sought after speaker and industry expert on the subjects of critical infrastructure protection, process control system security, regulatory compliance, audit, and privacy."



**RILCK NOEL** | [rilck.noel@verizonbusiness.com](mailto:rilck.noel@verizonbusiness.com)

Rilck Noel, Global Energy & Utility Vertical lead, has over twenty-five years of experience primarily working for or providing advice to large electric and gas utilities in the United States and abroad. Rilck has developed, sold and delivered a variety of solutions related to, among others, performance improvement, energy efficiency, regulatory compliance, business continuity management, systems implementation and litigation support to his utility clients. He was a partner at a Big Five firm and a managing director at two other advisory firms. He is an international lecturer in South America and Europe on the topic of utility market deregulation and large capital project management. He has also authored several articles and led seminars on the same topics. At Verizon, Rilck is responsible for establishing and growing the Energy & Utility practice on a global basis, and for directing the development of solutions, thought leadership, and market positioning for the global energy and utilities industries. He is directing the development of solutions related to smart grid and energy efficiency, and in 2010 was named one of the "100 People You Must Know in Smart Grid" by Greentech Media.



**DAVID O'BRIEN** | [dobrien@bridgeenergygroup.com](mailto:dobrien@bridgeenergygroup.com)

David O'Brien joined Bridge Energy Group in January of 2011 as Director of Regulatory Strategy & Compliance. As regulatory lead at BRIDGE, Mr. O'Brien will be offering insight and solutions to utility companies seeking regulatory approval of smart grid projects and working to broadly communicate how critical a smarter grid is to our energy policy. Previously, Mr. O'Brien served as Commissioner of the Vermont Department of Public Service from 2003 to 2011. During his tenure he made long term power supply, expanded broadband and wireless coverage and smart grid development his priorities. Prior to that, Mr. O'Brien served as Executive Director of the Rutland Economic Development Corporation, a private non-profit responsible for business expansion, growth, and retention in Rutland County, Vermont. Before coming to Vermont in 1992, he was a commercial banker at Peoples Bank in Connecticut. Mr. O'Brien holds a Bachelors degree in accounting from the University of Bridgeport and a Masters in Finance from Fairfield University.



**MICHAEL D. OLDAK** | [mike.oldak@utc.org](mailto:mike.oldak@utc.org)

Mike Oldak is the Vice President & General Counsel of the Utilities Telecom Council (November 2009 to Present) Responsible for telecommunications and IT interests of electric/gas/water utilities and other critical infrastructure entities. Responsible for leading all public policy/advocacy activities, focusing on long-term positioning with Congress and federal agencies to meet member needs. Previously Mr. Oldak was the Sr. Director, State Competitive and Regulatory Policies at the Edison Electric Institute (1994 to 2009). Regulatory Counsel, National Rural Electric Cooperative Association (1984 to 1994). Additionally he was an Attorney at the Federal Energy Regulatory Commission, Office of Enforcement and Electric and Gas Rates Division. Mike has degrees in Electrical Engineering and Administrative & Management Science from Carnegie Mellon University and a Juris Doctor from the Georgetown University Law Center.



**KIMBERLY PARGOFF** | [kpargoff@a123systems.com](mailto:kpargoff@a123systems.com)

Kimberly Pargoff is Grid Energy Solutions Manager for the Government Group at A123 Systems. Kim has over 10 years experience in the clean energy and clean technology space. At A123, Kim is responsible for business and new market development for advanced grid energy storage solutions for all government and military customers worldwide. Kim focuses on enhancing smart grid performance through fast-response energy storage solutions in micro grid, renewable integration, ancillary service, and vehicle-to-grid applications. Prior to A123 Kim spent 3 years at the Cleantech Group as Vice President of Strategic Partnerships and Business Development where Kim developed new business with leading cleantech innovators globally. Kim also worked as Clean Energy Policy Director for an NGO in Michigan and Washington D.C. and worked in Business Development in the alternative energy industry as Sales and Business Development Manager with Capstone Turbine Corporation. Kim also has 4 years experience in high-tech and strategy consulting with Diamond Technology Partners and Accenture in the telecommunications and financial services industries with high-tech start-ups and large clients such as Goldman Sachs, T-Rowe Price, Alltel, Bell Mobility, and Telefonica SA. Kim has a MBA from the UCLA Anderson School of Management and a dual Certificate in Corporate Environmental Management and Sustainability in Business from The Bren School of Environmental Science and Management at UC Santa Barbara. Kim has a Bachelors of Engineering from the University of Michigan, Ann Arbor in Industrial and Environmental Engineering.



**ROY PERRY** | [rperry@cablelabs.com](mailto:rperry@cablelabs.com)

Roy Perry serves as Director, Strategic Assessment, for CableLabs. He assesses new business opportunities for the cable industry to provide advanced applications and services over their managed broadband networks. Currently, he is focused on technologies that can integrate the broadest spectrum of smart home capabilities, such as home security, energy management, and medical monitoring onto a common web-based platform. He acts as liaison to other stakeholders such as the alarm/security industry and the electrical utility industry to explore joint business opportunities, as well as regulatory bodies that govern life safety services. He leads the Security, Monitoring, and Automation (SMA) program at CableLabs, which developed the SMA interoperability specification to specify a common protocol that will openly support all potential smart home devices. Mr. Perry has over twenty years' experience in the development and deployment of advanced broadband networks and services, including cable VoIP. Mr. Perry has held technology, business development, and executive management positions at US WEST Advanced Technologies, MediaOne, Cisco, Nortel Networks, and Adelphia.



**JEFFERY PILLON** | [jpillon@naseo.org](mailto:jpillon@naseo.org)

Mr. Pillon is the Director of Energy Assurance for the National Association of State Energy Officials (NASEO). In this capacity he is providing technical support to states who have received a total of \$38 million nationally in support of a three year program to update their energy emergency response plans and work towards enhancing the resiliency of critical energy infrastructure. He has lectured nationally on energy assurance planning and preparedness and designed and assisted in conducting a series of multi-state regional energy emergency exercises and after action workshops. He is the principal author and editor of the State Energy Assurance Guidelines developed by NASEO and NARUC. He represents NASEO on the Government Coordinating Council for the Energy Sector under the National Infrastructure Protection Plan and serves on the Electric Power Research Institute's Energy Efficiency/Smart Grid Public Advisory Group. He is the past chairs the Energy Data and Security Committee for the NASEO and a past member and chair of the NARUC Staff Subcommittee on Critical Infrastructure. Mr. Pillon worked for the State of Michigan from 1973 to 2009. During this time he was Manager of Energy Data & Security for the Michigan Public Service Commission and was responsible for monitoring energy supply and demand, short term energy forecasting, emergency preparedness and management of the Commission's website and information technology applications. He also served as the Emergency Management Coordinator for the Michigan Department of Energy, Labor & Economic Growth and represents the department at the State Emergency Operation Center. He was a member of the Michigan Homeland Security Preparedness Committee; Michigan Homeland Security Advisory Council; chaired the Michigan Critical Infrastructure Protection Committee and later co-chaired of the Energy Sector Committee of the Michigan Infrastructure Coordinating Committee. Mr. Pillon is a graduate of Michigan State University in Political Science.



**JAMES BRADFORD RAMSAY** | [jramsay@naruc.org](mailto:jramsay@naruc.org)

Mr. Ramsay is General Counsel for the National Association of Regulatory Utility Commissioners (NARUC). NARUC is composed of the agencies of fifty states and several U.S. Territories that oversee telecommunications services among other areas of regulated utilities. During his 20 years at the association, he has represented NARUC's interests before the Administration, the FCC, FTC, NTIA, US Department of Justice, the Office of the US Trade Representative, other agencies, in the courts, and in discussions with, the European Community, and various industry associations. He is staff to the FCC Separations and Universal Service Federal-State Joint Boards, and the Section 706 Federal-State Joint Conference on Advanced Telecommunications Services. Mr. Ramsay also has testified before Congress and State legislatures - and participated briefly in one round of US-Japan Trade talks - on telecommunications issues. Mr. Ramsay is also NARUC's designee to the International Telecommunications Union. Prior to joining NARUC, Mr. Ramsay acquired significant experience in administrative law and appellate practice as an associate with the Washington, D.C. law firm of Grove, Jaskiewicz, Gilliam and Colbert. Prior to private practice, Mr. Ramsay was employed by the Federal Energy Regulatory Commission for three years as a rates attorney. Mr. Ramsay received his B.S. in Chemistry in 1978 from Mississippi College and his J.D. in 1985 from Louisiana State University.



**PHYLLIS A. REHA** | [phyllis.reha@state.mn.us](mailto:phyllis.reha@state.mn.us)

Phyllis A. Reha was appointed to the Minnesota Public Utilities Commission in 2001. Commissioner Reha serves as Co-Chair of the NARUC-FERC Collaborative on Smart Response, a forum for state and federal regulators to discuss issues and make recommendations for state and federal policies to support Smart Grid and Demand Response. She is Co-Chair of the Customer Information and Behavior Workgroup for the State Energy Efficiency Action Network, a DOE/EPA supported effort to develop a National Blueprint to achieve all cost-effective energy efficiency. She is a member of NARUC and served as Chair of the Energy Resources and Environment Committee and served on the Board of Directors. She is on the Advisory Councils of the National Council on Electricity Policy, the New Mexico State University Center for Public Utilities and the Financial Research Institute of the University of Missouri. Commissioner Reha received a B.A from the University of Minnesota and a J.D. from the University of Minnesota Law School



**RICHARD SEDANO** | [rsedano@raponline.org](mailto:rsedano@raponline.org)

Richard Sedano, director of RAP's US programs, served as commissioner of the Vermont Department of Public Service (VDPS) for nine years before joining RAP. Mr. Sedano advises state commissions and other decision-makers and works with them in workshop settings on energy efficiency, demand response, renewable energy, pricing, smart grid, transmission and wholesale electric market issues and he also writes on these topics. Mr. Sedano served as chair of the National Association of State Energy Officials from 1998-2000. He is currently a member of the board of directors of Northeast Energy Efficiency Partnerships. Mr. Sedano received his BS in engineering from Brown University and his MS in engineering management from Drexel University.



**ARUN SEHGAL** | [arun.sehgal@itron.com](mailto:arun.sehgal@itron.com)

Arun Sehgal is the Product Line Manager at AMI Itron Inc. Arun has the responsibility for overall strategy and product delivery of AMI solutions to global markets. He has held various product management & industry positions within Itron. Previous to this assignment, Arun worked in the field of international metering for over 10 years. He was the marketing manager for EDM, an Australian solid state metering company, working from Singapore. He has worked internationally for several solid state electricity metering companies in the past decade and brings in an understanding of the metering practices, the issues and concerns of the electric utilities around the world in the field of energy metering, AMR, power quality, billing and customer satisfaction. Arun graduated in electrical engineering from Punjab University, India.



**SANEM SERGICI** | [sanem.sergici@brattle.com](mailto:sanem.sergici@brattle.com)

Sanem Sergici is a Senior Associate at The Brattle Group with expertise in electricity markets, industrial organization and applied econometrics. At Brattle, the focus of Dr. Sergici's work has been on assisting electric utilities, regulators, research organizations and wholesale market operators in the development of innovative demand response and energy efficiency portfolios and strategies. Dr. Sergici has expertise in the design and evaluation of dynamic pricing pilot programs, development of load forecasting models, and design of innovative rates for electric utilities. Her recent engagements include assisting the utilities in Connecticut, Illinois, Maryland, and Michigan in the design and impact evaluation of their pricing and technology pilots. She has spoken at several industry conferences and published in several industry journals. Dr. Sergici received her Ph.D. in Applied Economics from Northeastern University in the fields of applied econometrics and industrial organization. She also holds an M.A. in Economics from Northeastern University, and B.S. in Economics from Middle East Technical University (METU), Ankara, Turkey.



**SUSAN C. SWAN** | [scswan@cmsenergy.com](mailto:scswan@cmsenergy.com)

Susan Swan is vice president of Smart Grid Development for Consumers Energy, the principal subsidiary of CMS Energy. Swan, 31-year employee of the company, is responsible for the development and deployment of SmartGrid technology for Consumers Energy. Swan was the executive business leader with responsibility for implementing SAP, a business software application that replaced more than 100 aging computer systems companywide in mid-2008. She led the IT department, establishing a certified Center of Excellence for SAP support until transitioning to the Smart Grid role full-time in 2010. Swan has a broad base of experience in electric and gas distribution within the utility. From 2003-2006, she was responsible for managing customer operations, she has served as the executive manager of electric services, responsible for field operations for electric transmission and distribution. Previously, she held increasingly responsible positions as an electric operations field manager, commercial services manager, marketing field representative and customer service representative. Swan graduated from Michigan State University with a Bachelor of Science degree. She completed the Program for Management Development at Harvard Business School in 2002. She has served on the boards of Junior Achievement, the Lansing Regional Chamber of Commerce, and T.H.A.W. (the Heat And Warmth Fund). She currently serves on the Board of Elder law of Michigan.



**MIKE TINSKEY** | [mtinskey@ford.com](mailto:mtinskey@ford.com)

Mike Tinskey is currently Manager of Ford's Sustainability activities focused on electric vehicles and infrastructure globally. The focus is to develop and implement new business models, products, and partnerships to clear the way for Ford PHEV and BEV vehicles globally. Prior to this role, Mike led the Product Planning and Program Management activities globally for hybrid electric vehicles and was responsible for developing and implementing Ford's electric vehicle strategy that was publically announced in January 2009. Mr. Tinskey has held a variety of leadership positions in Ford's Engineering, Business

Development, and Finance activities over his career with Ford that began in 1991. This includes Director, Strategy, Mergers and Acquisitions, Corporate Business Development, and Advanced Product Engineering. Mike holds a Bachelors and Masters Degree (Georgia Tech) in Electrical Engineering, and an MBA in Finance from University of Michigan. He holds three global patents in fuel systems.



**RAJ VASWANI** | [raj@silverspringnet.com](mailto:raj@silverspringnet.com)

Raj has been with Silver Spring Networks since 2003, and brings more than 15 years of innovation, product development and product management experience in the Internet, software and networking industries to the Company. Prior to joining Silver Spring, Raj was an Entrepreneur in Residence with Foundation Capital. Prior to Foundation Capital, Raj served as Vice President of Engineering at Epinions.com (now shopping.com), a high-traffic consumer-oriented Web site. Previously, Raj was Senior Scientist and Director of Engineering for the @Home Network (later Excite@Home). Raj holds a MS in Computer Science from the University of Washington and a BS in EECS from the University of California at Berkeley. Raj's commitment to the environment extends to having a large Oak tree in the center of his house, although he hugs it only sporadically.



**JOSH WEPMAN** | [joshua.a.wepman@saic.com](mailto:joshua.a.wepman@saic.com)

Mr. Wepman works within SAIC's Energy, Environment, and Infrastructure LLC in their Smart Grid division as the manager of the Information Technology and Security group. Mr. Wepman also serves as the Practice Lead for SAIC's Smart Grid and Critical Infrastructure Security consulting organization. Mr. Wepman brings seven years of Energy and Critical Infrastructure experience from numerous Oil and Gas and Utility operations. His present work includes developing and delivery security programs across NRC and NERC compliance programs, as well as organizational risk management support for Smart Grid transformation programs. Current projects include compliance and security efforts across: Nuclear, Fossil, and Wind generation, Transmission Systems, Distribution Automation and Optimization, as well as Metering and in-home Smart Grid efforts. Mr. Wepman is a graduate of the MSU School of Communication Arts and Sciences, Dept of Telecommunication.



**TIM WOLF** | [tim.wolf@itron.com](mailto:tim.wolf@itron.com)

Tim Wolf is the Director for Marketing, Smart Grid Solutions at Itron Inc., based in Liberty Lake, Washington. Among his duties, Mr. Wolf is responsible for helping Itron's many utility clients communicate effectively with their customers regarding smart grid technologies, their capabilities and benefits. Prior to "rejoining" Itron this past summer, Mr. Wolf spent the past two and a half years as a senior consultant at R.W. Beck, an SAIC Company, focusing on Smart Grid consulting services for both investor-owned and municipal utilities. Before that, Wolf worked at Itron for 10 years, leading the company's corporate marketing group. He is a frequent speaker and presenter at industry conferences, and writer in the industry trade press.



**KAREN ZELMAR** | [TMA8@pge.com](mailto:TMA8@pge.com)

Karen Zelmar manages the pricing products for PG&E's Integrated Demand Side Management Products Division that also includes energy efficiency, demand response and distributed generation product initiatives. The Pricing Products team is focused on helping customers better relate to and manage their energy usage through programs such as Dynamic Pricing and the introduction of rates to support SmartMeter™ - enabled technologies such as smart charging of electric vehicles. These programs are dependent on leveraging SmartMeter™ and SmartGrid capabilities to ensure success. Before joining PG&E, Karen worked at SunPower to develop lead generation programs for their solar commercial business unit. Prior to that, she worked in product management for the high-technology sector, leading product management and planning organizations for AOL in both Mountain View, CA and Dulles, VA. Karen also directed the development of a suite of online and print mapping products at NAVTEQ. Ms. Zelmar earned her MBA at UC Berkeley and is originally from Chicago, where she earned her undergraduate degree at Northwestern University.



**KRISTIN ZIMMERMAN** | [kristin.b.zimmerman@gm.com](mailto:kristin.b.zimmerman@gm.com)

Dr. Zimmerman joined General Motors (GM) Research and Development (R&D) Center in 1993 to create GM's Global Academic Partnerships Program and Global Satellite Laboratory Network. Key to the operation of the program is the GM Academic Partnerships Master Agreement written by Zimmerman in 1994. The Master Agreement has been used to create over 100 GM Satellite Laboratories across the globe including laboratories in India, Europe, and China. Dr. Zimmerman recently returned to Detroit after her two year assignment in Beijing China working for GM's China Operations in the area of Environment, Energy & Safety Policy. Dr. Zimmerman's current assignment is on the Chevy Volt Team working with a broad group of internal and external stakeholders (utilities, state, local and federal government, communities) to facilitate 'Plug-in Readiness' for GM's Chevy Volt Launch markets. In 2010, she was instrumental in designing, with internal and external stakeholders, the \$40 million dollar Chevrolet Clean Energy Initiative that launched on November 18, 2010 alongside GM's IPO announcement. Dr. Zimmerman's educational background is in the fields of Physics, Mechanical Engineering, and Engineering Mechanics. She holds a Ph.D. in Engineering Mechanics from Michigan State University.