Jeffrey Taft is the Chief Architect for Electric Grid Transformation at the Pacific Northwest National Laboratory. As a member of the Energy and Environment Directorate, he is responsible for development and articulation of large scale architecture for grid modernization. Jeff leads the US Department of Energy Grid Architecture project. He began working in the grid modernization area in 2001 and has held smart grid chief architect roles with Cisco, Accenture, and IBM. Jeff earned a PhD in Electrical Engineering from the University of Pittsburgh with a dual specialization in digital signal processing and digital control systems in 1986. He is a member of the IEEE Power and Energy Society, is an emeritus member of the GridWise Architecture Council and is the holder of 27 patents in control systems, signal processing, and grid modernization.

Ronald Melton is the Chief Architect and Team Lead for Electricity Infrastructure Resilience at Pacific Northwest National Laboratory. Ron leads the US Department of Energy Advanced Distribution Management System open platform project, is the Administrator of the GridWise Architecture Council, chair of the Smart Grid Interoperability Panel Architecture Committee, and was the Director of the Pacific Northwest Smart Grid Demonstration Project. Ron earned a PhD in Engineering Science from the California Institute of Technology. He is a Senior Member of the IEEE Power and Energy Society and the Association for Computing Machinery.

Dave Hardin is Chief Architect for the Smart Grid Interoperability Panel. He has extensive experience designing, integrating and managing enterprise information and automation in the energy and manufacturing sectors. Dave has held senior technical and management positions at EnerNOC and Schneider/Invensys and has been active in Smart Grid initiatives since 2006. He has served on the OpenADR Alliance Board of Directors, SGIP Board of Directors, SGIP Architecture Committee and Transactive Energy Coordination Group as vice chair and SGIP Industrial-to-Grid Domain Expert Working Group as chair. Dave is also serving on the OPC Foundation Technical Advisory Council and is member emeritus of the GridWise Architecture Council, a Registered Professional Engineer, Project Management Institute Project Management Professional and an IEEE Certified Professional Software Engineering Master.

Doug Houseman, VP of Technical Innovation, is working with clients all over North America and Australia on issues related to Smart Grid/Metering/Homes and other related issues. He works with regulators, utilities and vendors to the market to help move the industry to the next generation grid, as well as the next generation of customer relationship.

Doug has extensive experience in the energy and utility industry and has been involved in projects in more than 30 countries. He is routinely invited to speak at international events in the industry and has been widely quoted in a number of international publications. Doug was named part of the World Generation Class of 2007, one of 30 people in the global utility and energy industry so named. He was the lead investigator on one of the largest studies on the future of distribution companies over the last 5 years working with more than 100 utilities and 20 governments.

Doug has a broad background in Utilities and Energy. He worked for Capgemini in the Energy Practice for more than 15 years. During that time he rose to the position of CTO of the 12,000 person practice.

During that same time Capgemini grew from less than $10 million dollars in Energy related revenue to more than $2.4 billion. Doug was part of the Global leadership team and worked all over the world in a thought leadership and delivery role. During that time Doug founded the Smart Energy Alliance, lead the Distribution Roadmap 2025, and developed the smart metering and smart grid practices.

Jay Giri is Director of Power Systems Technology and Strategic Initiatives at GE Grid Software Solutions in Redmond, Washington. He leads a team of power system engineers who deliver generation control, market applications and synchrophasor/phasor measurement unit (PMU) applications to control centers. He is a liaison for university research activities and an affiliate professor at the University of Washington.

In 1978, Jay and 11 other engineers co-founded Energy System Computer Applications (ESCA). Over time, ESCA became Alstom Grid in 2010 and GE Grid Solutions in 2015. Jay designed and implemented the original software for the ESCA automatic generation control (AGC) and dispatcher training simulator (DTS) power system simulation functions. Today this AGC controls over 50% of North American generation as well as generation in many other countries, and the DTS is one of the predominant simulators used by control centers worldwide.

He has a PhD from Clarkson University in New York and a B.Tech from the Indian Institute of Technology (IIT), Madras. In 2002, he was elected IEEE Fellow: “For contributions to the design and implementation of power system control centers” and is a member of the IEEE Power & Energy Society (PES) Governing Board. He is an Alstom Grid Senior Fellow and a member of the Washington State Academy of Sciences

Mark Adamiak is the Chief Application Architect for GE Grid Automation and is responsible for identifying, developing, and integrating new technology for GE's substation protection, control, and automation business. Mark received his Bachelor of Science and Master of Engineering degrees from Cornell University in Electrical Engineering and an MS-EE degree from the Polytechnic Institute of New York. Mr. Adamiak started his career in the utility business with American Electric Power (AEP) where he was involved in fundamental research in digital protection and control and was part of the team that identified and published the first paper on the Synchrophasor. In mid-career, joined General Electric where his activities have ranged from advanced development, product planning, application engineering, and system integration. Mr. Adamiak is a member of the IEC61850 WG, a member of the US National Academy of Engineering, a Fellow of the IEEE, the US Regular Member for the CIGRE Protection & Automation study committee, a registered Professional Engineer in the State of Ohio and a GE Edison award winner.

Hugo Bashualdo, Specialized engineering and managerial experience within the distribution system. His technical expertise includes distribution planning, distributed generation interconnection impact studies, power losses reduction strategies, reliability improvement studies, and the design, construction and maintenance of distribution systems. He has led various areas within a distribution utility business, including:

Technical Analysis; Design and Construction; Power Losses Control; Distribution Studies; and Planning, Tariff, Control, and IT. He improved the technical and economic performance of each area he managed.

Mr. Bashualdo joined Siemens PTI in February 2012, and leads the consulting group in Microgrids and Distribution Planning.

Anant Venkateswaran is an industry thought leader, teacher, presenter and has over 20+ years of global experience. Anant has supported strategy, business case, cost-benefit analysis etc., and the development solution architectures, roadmaps and business cases and subsequently technology adoption and solutions delivery phases. Anant has conducted workshops with customers globally, resulting in their business challenges being translated first into innovative concepts and subsequently into intelligent solutions. Having been on both sides of the procurement process, Anant believes in reaching across and partnering with multiple customer stakeholders and developing comprehensive solution strategies and execution roadmaps. Anant currently serves GE's Grid Solutions business.

Anant's experience and expertise was built around the pillars of Power System & the Value Chain from generation to consumption, Industry Verticals, Supply Chain and Govt.

As a technology leader, Anant has also successfully influenced strategic planning & investments, procurement, design, development in prior roles. He is proven ability to envision, develop & execute business, marketing, technology and sales plans and streamlining processes to achieve productivity through technology have resulted in substantial savings for customers. As a corporate-wide leader for strategic planning & investments, procurement, design, development, Anant has been involved in planning & execution of Complex projects globally.

Anant is actively driving industry thought and standards through active participation in IEEE, CIGRE, AEE, IEC, ASHRAE and other technical bodies and has been a presenter, moderator, teacher and panelist at conferences and thought leadership events worldwide. Anant has taught many Utility University (Distributech), University level and continuing education courses around innovative and disruptive technologies (EE, DSM, Microgrids, Big Data, IoT, Cloud Computing, Line Monitoring, Situational Awareness etc) as well as traditional electric and gas utility value chain from generation to the customer.

Dr. Ali Ipakchi has over 35 years of experience in information technology applications to power systems and electric utility operations. As the Senior Vice President of Smart Grid and Green Power at Open Access Technology International, Inc. (OATI), he is responsible for products and business strategy for the Grid Modernization area. Prior to OATI, Dr. Ipakchi was Vice President of Integration Services at KEMA Consulting, assisting utilities with roadmaps, specifications, and implementation strategies in the Smart Grid area. He has also held various senior management positions at ABB and Alstom, supporting power application development and system delivery to the power industry. His areas of experience include utility and power systems operations, operational IT and automation systems for control centers, trading floors, energy markets and ISOs, as well as, distribution utilities and distributed energy resources. Dr. Ipakchi is co-holder of several US patents on power systems applications and instrument diagnostics. Dr. Ipakchi has been an active mem