

Power and Energy Automation Conference (PEAC) Committee 2013-14

Chen-Ching Liu, Washington State University (Chair)



Chen-Ching Liu is Boeing Distinguished Professor at Washington State University (WSU). At WSU, Professor Liu serves as Director of the Energy Systems Innovation (ESI) Center. During 1983-2005, he was a Professor at University of Washington. Dr. Liu was Palmer Chair Professor at Iowa State University from 2006 to 2008. From 2008-2011, he served as Deputy/Acting Principal of the College of Engineering, Mathematical and Physical Sciences at University College Dublin, Ireland. Dr. Liu received the IEEE Power and Energy Society (PES) Outstanding Power Engineering Educator Award in 2004. Dr. Liu was recognized with an Honorary Doctor's Degree by Polytechnic University of Bucharest, Romania. Chen-Ching chaired the IEEE PES Fellow Committee, Technical Committee on Power System Analysis, Computing and Economics, and Outstanding Power Engineering Educator Award Committee. Professor Liu is a Fellow of the IEEE.

Lawrence Broski, ABB



Lawrence graduated from Northern Institute of Technology, and then worked for EPCOR as a Power Electrician in Substations and Generating plants. Subsequent Sales and Application experience in MV & HV equipment, as well as Protection & Control, included among others, working for Siemens for 18 years, selling

GE Multilin & Doble products, and presently with ABB in Power Systems Automation & Communications since 1999.

Michael Diedesch, Avista Utilities



Mike is a system protection and integration engineer at Avista Utilities, and a registered Professional Engineer in the state of Washington. His electric utility experience includes Generation, SCADA, Distribution, Protection and Integration. He has instructed at the Avista/SCC Line School and at the WSU Hands on Relay School. Mike attended Washington State University, where he completed a BS in Electrical Engineering in 2008.

Todd Hustrulid, Magna IV Engineering



Todd is an engineer at Magna IV Engineering in Calgary AB where he manages and executes projects with a focus on instrumentation, controls, and communication. Todd has 12 years of project experience, with a primary focus in the energy industry. He started as a consulting engineer designing and commissioning power plants, transitioned to a plant engineering role managing DCS migrations at a large electric power plant, and is currently back in the consulting industry supporting oil & gas projects. Todd started attending the PEAC conference in 2004, and is now actively involved on the Conference Committee with a focus on marketing activities.

Todd enjoys spending time with his family and friends in various outdoor activities. He also finds time periodically for side projects in business analytics and software development.

Randy Kimura, AltaLink



Randy Kimura received his Bachelor of Science and Master of Science in Electrical Engineering from the University of Alberta. From 1988 to 1993 Randy was a software developer, developing SCADA applications and communication protocols. In 1993 he joined Harris Controls (which evolved into GE Energy SAS) where his assignments included application software development, System Engineering for domestic and international projects, Product Segment Manager and Subject Matter Expert on Substation Automation.

Randy is currently the Principal Engineer SCADA for AltaLink, a Transmission Facility Operator in Alberta, Randy is a member of IEC 61850 working groups, IEEE committees and the DNP Technical Committee. He is a registered Professional Engineer in the province of Alberta.

James Morales, San Diego Gas and Electric Company



James Morales received his Bachelor of Electrical Engineering degree in the area of Power Systems, Power Devices, and Power Design from Georgia Institute of Technology, and is a Principal Engineer working in the System Protection and Controls Engineering group at San Diego Gas & Electric Company. His previous experience includes working as a Project/Commissioning Engineer with spray and steam process controls equipment in the paper industry. Prior to working as an engineer, his experience was in telecommunications, which included working as an Electronics Technician while serving in the U.S. Army. This gave him the opportunity to work with multiplexer and microwave communications equipment, and also provided the opportunity to work in an Information Protection type of office. James currently works within SDG&E as a Project Engineer working on several projects involved with integrating new or network based equipment with

existing controls equipment within the substation environment, and is also involved with the company's effort to develop, create, and meet NERC/CIP solutions. James has been an active PEAC committee member since 2010.

Mark Oens, Snohomish PUD



Mark Oens is the Senior Manager of Substation Metering and Telecom Services at Snohomish PUD. His department directs the Substation, Metering and Telecommunications sections. Mark directs the design, construction, and maintenance of substations, metering, apparatus, and telecommunication services. He develops the overall organizational plan, and departmental goals and objectives, and department administration.

Mark received his BS in Electrical Engineering from Washington State University in 1992. He worked for Pacific Northwest National Laboratories (Battelle), Johnson Controls and Puget Sound Energy before joining Snohomish PUD in 1995. He is a member of IEEE, registered professional engineer in the state of Washington.

Amber Orr, Kootenai Electric Cooperative, Inc.



Amber Elise Orr has a B.S. in Electrical Engineering from the University of Idaho and has more than fifteen years of experience in the industrial and utility fields, including work with consulting engineering firms, E.P.C. firms and electric utilities. Her experience is in utility protection, planning and analysis; power plant and substation design; substation and distribution automation, commissioning, testing, and construction oversight/inspection. Ms. Orr is a member and serves on the Executive Committee of the IEEE Power & Energy Society and the Industrial Applications Society. Ms. Orr is employed as the Systems Engineer at Kootenai Electric Cooperative, Inc. in Northern Idaho and is a registered Professional Engineer.

Rick Piovesan, AltaLink



Rick Piovesan, PL (Eng), RET, Senior SCADA Technologist, Asset Management, AltaLink. Professional Licensee (Engineering), with Association of Professional Engineers, Geologists and Geophysicists of Alberta (APPEGA) and Registered Engineering Technologist, with Association of Science and Engineering Technology Professionals of Alberta (ASET). Qualified by 40 years of experience involved in SCADA systems from project installation to discipline lead. Currently responsible for development of SCADA standards encompassing; SCADA, substation HMI, LAN, time synchronization, equipment selection and remote access. Also involved in

SCADA scope and design for AltaLink major capital projects plus SCADA sparing and operational issues.

Michael Rourke, Schweitzer Engineering Laboratories



Michael Rourke is a Principal Automation Engineer for Schweitzer Engineering Laboratories. He has worked at SEL since 2000 in the Research and Development organization. Prior to SEL, Michael worked with process automation systems in flat-rolled metals applications. He has a MEng and B.S. degree in Electrical Engineering from the University of Idaho.

Eric Schultz, POWER Engineers



Eric C. Schultz has a B.S. in Electrical Engineering from the University of Oklahoma and has twenty-one years of experience in the electric utility industry, including consulting and turnkey project experience in power plant and substation design, control and protection design, substation and distribution automation, and construction. Mr. Schultz has presented papers at industry-wide conferences including DistribuTech and Western Power Delivery Automation Conference, and is a member of the IEEE Power & Energy Society. Mr. Schultz is employed as a Project Manager in the Power Delivery Division for POWER Engineers and is a registered Professional Engineer in the States of Kansas and California.

Ron Tornquist, Puget Sound Energy



Ron Tornquist has over three decades of experience in SCADA/Automation supporting both Gas and Electric utilities. He has had many roles during his career including: Manager Telecommunications SCADA for Puget Sound Energy 2012 to present; Supervisor ECS/SCADA for Puget Sound Energy 2006 – 2011; Technical Sales

Manager for all Qualitrol and Hathaway products 2002 – 2005; Director of Utility Automation and Vice President of Sales and Marketing for Hathaway Industrial Automation 1993 – 2002; Sales Manager, Product Manager, Manufacturing Manager and Systems Engineer at Systems Northwest 1979 – 1993.

Ron is an Air Force veteran (Radar Technician) from 1975 to 1979. His education includes Air Force Technical Training, Tacoma Community College and Marketing Management course through Washington State University.