



SPEAKER BIOS & PRESENTATION DESCRIPTIONS

Common Group Sessions:


07/13/2010	Key Note: Nuclear in the Palmetto State, from Cradle to Grave
Common Session	Presenter: Stephen A. Byrne
8:30 AM – 9:15 AM	Job Title: Executive Vice President, Generation and Chief Nuclear Officer
	Company: South Carolina Electric & Gas Company
	<p>Bio: Stephen Byrne, 50, joined SCANA in 1995. A native of West Hartlepool, England, Byrne graduated in 1983 from Wayne State University in Michigan with a Bachelor of Science degree in chemical engineering.</p> <p>In his current role, Byrne is responsible for a diversified fleet of nuclear, coal, gas, hydro and pumped storage electrical generation facilities, and is also heading up the company's new nuclear construction effort. He has also served as general manager of nuclear plant operations at Virgil C. Summer Nuclear Station and vice president of nuclear operations from 2000 to 2004. Byrne has more than 24 years of experience in the nuclear industry, including 12 years at the Davis-Besse Nuclear Power Station in Ohio, where he received a Nuclear Regulatory Commission senior reactor operator's license.</p> <p>Byrne is the current president of the Carolinas Virginia Nuclear Power Associates, Inc. Decommissioning Project and chairman of the nuclear industry's New Plant Working Group. In addition, he serves on the South Carolina Governor's Nuclear Advisory Council, University of South Carolina Nuclear Engineering Advisory Board, Westinghouse Quality Fuels Council, Greater Columbia Chamber of Commerce, United Way of the Midlands and Community Impact Council.</p>
	Presentation: TBA


2010 Workshop Presentations

07/13/2010	Guest Speaker: Cloud Computing Environment for Secure Computing
Common Session	Presenter: William Billings
9:15 AM – 10:00 AM	Job Title: Chief Security Officer
N/A	Company: Microsoft Corporation
	Bio: William Billings brings over twenty years of Information Assurance experience working with the U.S. Government. Mr. Billings is a retired Naval Cryptologic Officer and prior to joining Microsoft, he led the National Security Agency's world-wide Operational Network Evaluations mission and NSA Security Guide programs. From conducting Network Centric Operations in support of National Security requirements to performing Computer Network Defense in support of the US Government, Bill provides deep security leadership in support of U.S. Government customers. Mr. Billings has a Masters of Science in Network Security, and a Bachelor of Science in Business Administration. He is an active member of the Department of Defense's Information Security Technical Working Group, The Office of Secretary of Defense, Software Assurance Working Group and the US Government's Committee on National Security Systems (CNSS). Bill is certified in Information Systems Security Management, Information Systems Risk Management, IT Infrastructure Library (ITIL), and he holds the Certified Information Systems Security Professional (CISSP) professional certification.
	Presentation: TBA


07/13/2010	NEI Speaker: Cyber Security Rule Making
Common Session	Presenter: Jack Roe
10:15 AM – 11:15 AM	Job Title: Director, Security and Operations Support
	Company: NEI
	Bio: Dr. Roe is the Director, Security and Operations Support for the Nuclear Energy Institute. He has over 30 years of professional experience in the safety of nuclear facilities and the environmental assessments needed to support licensing activities. Prior to joining NEI, Jack was a Vice Present for Nuclear Safety Programs at Advanced Technology and Laboratories and Manager of International Safety Programs at SCIENTECH Inc. Prior to joining SCIENTECH Inc. in 1999, Dr. Roe managed a NRC division of 130 staff members responsible for several national programs which included nuclear power plant license renewal, related environmental issues, advanced nuclear power plant designs, nuclear power plant decommissioning, emergency preparedness, security, and radiation protection. Dr. Roe was also the U.S. Delegate to the International Atomic Energy Agency's Convention on Nuclear Safety. Dr. Roe received a D.Sc. in Mechanical Engineering from George Washington University, a M.S. in Mechanical Engineering from the University of Texas, and a B.S. in Mechanical Engineering from the United States Naval Academy.
	Presentation: TBA


2010 Workshop Presentations

07/13/2010	INPO Speaker: Status on NANTeL and Future of Learning
Common Session	Presenter: Ruth Todd
1:00 PM – 1:45 PM	Job Title: Director, IT&DS
	Company: INPO
	<p>Bio: Ruth Todd has been at INPO for 24 years. Ruth has worked in the computer industry for over 35 years and has successfully run a telecommunications consulting company specializing in start-up companies. Ruth has degrees from Oglethorpe University in History and Economics, A Masters in Russian History from GSU and an MBA in Global Management from University of Phoenix. She is currently working on her PhD. She is married and has three children and four grandchildren.</p>
	<p>Presentation: Status on NANTeL and Future of Learning</p>


07/13/2010	NRC Speaker: Emergency Response Data System (ERDS) Modernization
Common Session	Presenter: Cris Brown
1:45 PM – 2:15 PM	Job Title: IT Branch Chief
	Company: NRC
	<p>Bio: Mrs. Brown works as an information technology (IT) Branch Chief in the NRC's Office of Nuclear Security and Incident Response (NSIR). She joined the NRC and NSIR as an IT Specialist in 2004 and worked in both IT support and preparedness and response organizations within the Office. In 2006, she moved to the NRC's corporate IT Office and worked in two divisions focused on enterprise infrastructure and business process improvement. She returned to NSIR in 2008 in her current capacity. Her Branch is primarily responsible for maintaining the IT systems that support the response center in the NRC's headquarters location and for both maintaining and modernizing ERDS.</p> <p>Prior to joining the NRC, she spent seven years in the IT field where she worked as a network administrator for a national company and as a Team Lead supporting the IT needs of Clinical Center staff at the National Institutes of Health.</p> <p>Cris holds a B.A. degree in Geological Sciences from The Ohio State University and is certified in IT Project, Wireless Network Administration (CWNA), and in SANS Security Essentials (GSEC).</p>
	<p>Presentation: The status of licensee transitions to the modernized ERDS and the success stories and lessons learned that we have gathered so far.</p>

2010 Workshop Presentations


07/14/2010	Guest Speaker: Open Source Software in a Secure Environment
Common Session	Presenter: Jeffrey Hammond
8:15 AM – 9:00 AM	Job Title: Principal Analyst
	Company: Forrester Research
	<p>Bio: For the past four years Jeffrey has served application development & delivery professionals as a Principal Analyst at Forrester. He is a leading expert on software development tools and best practices, rich Internet applications and mobile development, and open source software. Jeffrey is a 20+ year veteran in the development industry. He's written code and run development teams at Fortune 500 companies, and managed the development and marketing of award winning development tools like Rational Rose/J Edition and the IBM Rational Software Development Platform.</p>
	<p>Presentation: 2009 was the year that open source software went from a developer tactic to a strategic initiative in many enterprise IT shops. But some basic questions will remain in highly regulated industries like - is open source secure? Is it supported? Are there benefits to using open source other than lower capital costs? Join Principal Analyst Jeffrey Hammond from Forrester Research for a discussion of the growing strategic importance and adoption of open source in enterprise IT, and the benefits that adopting organizations are getting from their investments.</p>

07/14/2010	Guest Speaker: Emerging Threats
Common Session	Presenter: Seán Paul McGurk
9:00 AM – 9:45 AM	Job Title: Director, Control Systems Security
	Company: National Cyber Security Division, U.S. Department of Homeland Security
	<p>Bio: Seán McGurk is the Director of the Department of Homeland Security, National Cyber Security Division, Control System Security Program (CSSP). Mr. McGurk had 28 years of service in the United States Navy with 20 years in the Navy's nuclear weapons program, serving on six fleet ballistic missile submarines and several shore facilities. He led two submarines as Chief of the Boat, and served as the Command Master Chief for a Tactical Electronics Warfare Squadron and the Navy's only forward deployed Carrier Air Wing. He worked as an arms control inspector for the Department of Defense where he conducted numerous inspections throughout the Soviet Union and subsequent Commonwealth of Independent States in accordance with the Intermediate Nuclear Forces (INF), the Strategic Arms Reduction Treaty (START) and the Conventional Armed Forces in Europe Treaties. His final assignment was as the deputy to the Master Chief Petty Officer of the Navy, the senior leader for a workforce of over 400,000 people in all fifty states and 109 foreign countries. Since leaving the Navy, Mr. McGurk has managed a number of significant system development and IT security programs in the private sector. Mr. McGurk joined DHS in January, 2008 in his current position. Mr. McGurk is a member the Information Systems Security Association (ISSA) and the Institute of Electrical and Electronics Engineers (IEEE). He is a graduate of the U.S. Navy Senior Enlisted Academy and the University of Phoenix.</p>
	<p>Presentation: Present efforts and future trends in process control security</p>

2010 Workshop Presentations

07/14/2010	NRC Speaker: Enhancements to Security Requirements
Common Session	Presenter: James T. Wiggins
10:00 AM – 11:00 AM	Job Title: Director, Office of Nuclear Security and Incident Response (NSIR) at the NRC
	Company: Office of Nuclear Security and Incident Response (NSIR) at the U.S. Nuclear Regulatory Commission (NRC)
	<p>Bio: James T. Wiggins is Director, Office of Nuclear Security and Incident Response (NSIR) at the U.S. Nuclear Regulatory Commission (NRC). NSIR is responsible for policy development and technical assessment and evaluation of security, emergency preparedness, and incident response programs at nuclear facilities in the United States.</p> <p>Formerly, Mr. Wiggins was the Deputy Director of the Office of Nuclear Reactor Regulation and the Deputy Director of the Office of Nuclear Regulatory Research. Prior to joining NRC Headquarters, he served as the Deputy Regional Administrator for Region I in King of Prussia, Pennsylvania, from January 1999 to June 2005.</p> <p>Mr. Wiggins joined the NRC in 1980 as a reactor inspector in Region I. In 1990, Mr. Wiggins was appointed to the Senior Executive Service and served in Region I as Deputy Director of the Division of Reactor Projects. Subsequent to that position, he served as Region I Deputy Director of the Division of Reactor Safety and in 1994, was appointed as Director of the Division of Reactor Safety, Region I.</p> <p>Prior to joining the NRC, Mr. Wiggins served for six years in the U.S. Navy as an officer in the Navy's Nuclear Power Program. He received his bachelor's degree in electrical engineering from Villanova University in 1974.</p>
	<p>Presentation: Jim Wiggins has recently been appointed to head the Office of Nuclear Security and Incident Response (NSIR) at the NRC, just as sweeping enhancements are being made to the Security requirements, including the area of Cyber Security. Jim will share his perspective of the importance of these changes, how the NRC is considering the industry Cyber Plan submittals to include their concerns, and how the NRC plans to move forward with inspection and enforcement of both the cyber and physical security programs. Jim will also discuss his larger role in coordinating his office's activities with other government security initiatives and congressional interest and how he anticipates the role of NSIR may evolve.</p>

2010 Workshop Presentations

07/15/2010	Topic:	Presentation, demo and Q&A of the New NITSL Collaboration Site
Common Session	Presenter:	Walt Skawski
1:00 PM – 1:45 PM	Job Title:	Manager Shared Solutions
	Company:	PPL
	Bio:	<p>Walt Skawski is Manager of PPL's IT Shared Solution's group since 2008. Walt had previously been Manager of PPL Nuclear IT group and had worked in PPL's Nuclear Division for over 25 years in various groups including Work Management, Cost/Planning Control, and Information Services. Walt previously worked with GE as a Project Estimator and Gilbert Commonwealth as a Cost Engineer. Walt received a BS Degree in Civil Engineering from Penn State University and MBA from Wilkes University. Walt is an adjunct professor for Misericordia University in the Business Department. Walt resides with his wife Nadine and 2 daughters Kim & Robin in Sugarloaf Pa.</p>
	Presentation:	<p>A primary objective of the NITSL organization is collaboration and information sharing among member utilities. Each year at the NITSL workshop member utilities collaborate and share a wealth of information via presentations, work sessions, and information discussion among attendees. After the workshop the level of collaboration and information sharing among members drops off. In addition to the physical separation among members, other work priorities and limited collaboration tools contribute to a less than effective method of information sharing. The new NITSL Collaboration Web Site is intended to facilitate more effective collaboration and information sharing among members and other NITSL stakeholders. Based on MS SharePoint the new site will be designed to capture relevant information the is useful for utilities to perform benchmarking and review of best practices. By establishing common repositories on information on documents, technology use at utilities, utility projects and lessons learned, members will be able to search these common repositories for information they need to help them with their respective IT work initiatives. This presentation will cover the purpose, design and critical success factors associated with the new NITSL webste. The initial content will be reviewed along with the processes that have been established to support updates and maintenance to new content by members.</p>

2010 Workshop Presentations


Workshop Tracks


07/14/2010	Topic:	Things Are Not Always What They Seem
Track 1 – Software Quality Assurance	Presenter:	Don Nowicki
1:00 PM – 1:45 PM	Job Title:	Senior Oversight Engineer
	Company:	NextEra Energy
	Bio:	<p>Don Nowicki is a Senior Oversight Engineer at NextEra Energy Seabrook Station with over 26 years of experience in nuclear power including operations, training, and nuclear oversight. Don is developing an expertise in auditing digital designs for use in plant process control applications to ensure compliance with Software Quality Assurance (SQA) requirements throughout the development of those designs. Don holds a certification from the American Society for Quality (ASQ) as a Software Quality Engineer (CSQE) and is an ANSI N45.2.23 Certified Lead Auditor.</p> <p>Don received a M.B.A. from Southern New Hampshire University and a B.S. in Mathematics from the United States Naval Academy. Don has held a Senior Reactor Operator license and has prior ASQ certifications as a Quality Manager and Quality Auditor.</p>
	Presentation:	<p>Your utility may have a Software Quality Assurance (SQA) Program that looks great on paper; but, are your Design Engineers able to properly apply the requirements of your SQA program when developing digital designs? Through SQA auditing, Don has discovered that it takes much more than a programmatic document to ensure SQA is being properly utilized in digital design development. This workshop will encourage you to “roll up your sleeves and dig in the dirt” to see just how well SQA is applied at your utility – it’s an eye opener!</p>

07/14/2010	Topic:	Human Performance Training of IT Personnel
Track 2 – Infrastructure & Applications	Presenter:	Bob Carson
1:00 PM – 1:45 PM	Job Title:	Site IT Manager, Quad Cities Nuclear Generating Station
	Company:	Exelon Corporation
	Bio:	<p>Bob is the Exelon IT Manager responsible for operational support of the Quad Cities Nuclear Generating Station located in Cordova, Illinois. He has worked for Exelon since 1980 and held a variety of positions in Health Physics, Quality Assurance and Nuclear Emergency Preparedness prior to joining Information Technology in 1996.</p> <p>Bob holds a Bachelors of Science in Environmental Health/Health Physics from Purdue University and a Masters degree in Business Administration from the University of Iowa. He resides in Bettendorf, IA with his wife Nancy. Bob and Nancy have three grown children and two grandchildren.</p>
	Presentation:	<p>In 2009 and early 2010, Exelon IT conducted Human Performance training for all company IT personnel. Training in Human Performance is common in the nuclear industry and this effort broadened the scope to include all IT personnel. The presentation will review what prompted the training, the effort involved and the results to date.</p>



2010 Workshop Presentations

07/14/2010	Topic:	NEI 10-04 Scope of Systems
Track 3 – Cyber Security	Presenter:	NEI 10-04 Writing Team
1:00 PM – 1:45 PM	Job Title:	TBA
	Company:	TBA
	Bio:	TBA
	Presentation:	TBA


07/14/2010	Topic:	The Life of Software Quality Assurance (Start to End)
Track 1 – Software Quality Assurance	Presenter:	Keith A. Morrell
2:00 PM – 2:45 PM	Job Title:	Technical Advisor SQA
	Company:	Savannah River Nuclear Solutions - SRNS
	Bio:	Peers, customers and management have recognized Keith as a top level performer in Teamwork, Managing, Process Control, Datacenter Operations, Quality Assurance, Information Management and the overall Technology Business. Keith is considered a Subject Matter Expert for Software Quality Assurance in the industry. He continually rethinks how to improve the business. Many significant accomplishments have led to corporate awards and increased responsibilities at Savannah River Nuclear Solutions (SRNS) / Washington Savannah River Company (WSRC), Westinghouse, and Gulf Oil Corporation. Keith is actively involved in industry standards work, government nuclear guidance and related organizations. Currently serving on: 1) ASME NQA-1 Main Committee and sub-committee as an officer, 2) Nuclear Information Technology Strategic Leadership organization 3) ANS Standards 4) DOE / NNSA Teams.
	Presentation:	Discuss and review the importance of Software Quality Assurance through the complete life. Why it is better to build quality assurance in and maintain it for the life of the software? Review the life of software and what should and could be done to produce and maintain the quality of the software. Graded approach will be part of the discussion.


07/14/2010	Topic:	Use of Datahubs for Application Integration and Business Intelligence
Track 2 – Infrastructure & Applications	Presenter:	John Mitchell
2:00 PM – 2:45 PM	Job Title:	Director Nuclear IT Infrastructure and Project Delivery
	Company:	Duke Energy
	Bio:	John Mitchell is Director of Nuclear IT Infrastructure and Project Delivery at Duke Energy. John has spent the past half of his 18 year IT career at Duke in various Nuclear IT architecture and IT management roles. Prior to that, John was focused on application development and large projects to implement new document management and email systems. He is a Microsoft Certified Systems Engineer and has a Bachelors Degree in Computer Science from UNC Charlotte.
	Presentation:	In 2006, Duke Energy adopted a strategy called the Information Management Architecture to enable adaptable and scalable application integration and Business Intelligence opportunities. In 2009 Duke Nuclear IT implemented the first systems based on this new data architecture. This presentation will provide an overview of what Duke Nuclear IT has accomplished, along with lessons learned and future benefits.

2010 Workshop Presentations

07/14/2010	Topic: Joint Nuclear Cyber Subcouncil Update Cyber-Physical Systems - Update
Track 3 – Cyber Security	Presenter: Wade Kirschner Dr. Nabil R. Adam
2:00 PM – 2:45 PM	Job Title: Deputy Branch Chief of the Nuclear Sector Specific Agency (SSA) in the SSA Executive Management Office within the Office of Infrastructure Protection Fellow and Sr. Program Manager
 <p>Wade Kirschner</p>  <p>Dr. Nabil R. Adam</p>	Company: U.S. Department of Homeland Security U.S. Department of Homeland Security – Infrastructure & Geophysical Division
	Bio: <p>Wade Kirschner is currently Deputy Branch Chief of the Nuclear Sector Specific Agency (SSA) in the SSA Executive Management Office within the Office of Infrastructure Protection at the Department of Homeland Security. He is responsible for supporting the implementation of the public-private sector partnership model defined in the National Infrastructure Protection Plan (NIPP) for the critical infrastructure and key resources within the Nuclear Sector. Wade is also Co-chair of the Joint Nuclear Sector Cyber Subcouncil and is currently leading the development of the Roadmap to Enhance Control Systems Security in the Nuclear Sector.</p> <p>Prior to joining the Federal government, he nearly 21 years on active duty with the U.S. Coast Guard where he served in various Intelligence, Marine Safety and Law Enforcement roles both afloat and ashore. Wade has a Bachelor of Science Degree in Business Management from the New York Institute of Technology and a Master of Public Administration from the Harvard Kennedy School of Government and just recently earned his CISSP certification.</p> <p>Dr. Adam serves as a Fellow and Sr. Program Manager at the U.S. Department of Homeland Security – Infrastructure & Geophysical Division, Science & Technology Directorate where he manages more than \$30 Million as a part of the Complex Event Modeling, Simulation, and Analysis program initiated in 2008. He also serves as the technical lead for the Unified Incident Command & Decision Support System program and has initiated the Cyber-physical Systems Security program. Dr. Adam is a Professor of Computers and Information Systems at Rutgers University; the Founding Director of the Rutgers University Center for Information Management, Integration and Connectivity; and the Director of the Information Technology for Emergency Management (i-TEAM) Research Laboratory. Dr. Adam is one of the Co-founders and past Director of the Meadowlands Environmental Research Institute. Additional research positions held include serving as past Chair of the MSIS Department at RBS. Dr. Adam’s research work has been supported by over \$18 million from various federal and state agencies, including: Department of Homeland Security (DHS), the National Science Foundation (NSF), the National Security Agency (NSA), National Oceanic and Atmospheric Administration (NOAA), the U.S. Environmental Protection Agency (EPA), the National Library of Medicine, the New Jersey Meadowlands Commission, and NASA.</p>
Presentation: TBA	


2010 Workshop Presentations

07/14/2010	Topic:	Keeping Your SQA Program Healthy
Track 1 – Software Quality Assurance	Presenter:	Theresa Derting
3:00 PM – 3:45 PM	Job Title:	System Administrator/SQA Program Manager
	Company:	Entergy
	Bio:	Theresa Derting is a System Administrator and the Software Quality Assurance Program Manager for Entergy Nuclear, located at their Vermont Yankee site. Theresa has 25 years of experience in the nuclear industry representing several business areas, including: cross-functional Project Management, Software Quality Assurance program administration, Contract Administration, supervising Application Development and Maintenance, and Human Resources staffing and management.
	Presentation:	Entergy Nuclear, a fleet of nine nuclear plants with two headquarter locations, invested considerable effort in consolidating their organization under one Software QA program. The initial project to align included members across the organization, from both IT and Engineering, and the roll-out was executed using good change management philosophies. So, why is it five years later that it seems like no one knows how to do SQA anymore? That story, and how Entergy is working to revitalize their SQA program, is described in this presentation. If you're interested in keeping any program healthy, this is for you.


07/14/2010	Topic:	Wireless Networking Technology Implementation at Nuclear Power Facilities
Track 2 – Infrastructure & Applications	Presenter:	Richard Rusaw
3:00 PM – 3:45 PM	Job Title:	Senior Project Manager
	Company:	EPRI
	Bio:	Richard Rusaw has a BSNE from the U. of Michigan-1979, MBA-U of N. Carolina Charlotte, and a Licensed PE-SC. He has worked in the Nuclear Power Industry as an Instrumentation and Control Engineer in the areas of both Design and Systems Engineering. He has had assignments at corporate engineering offices, Oconee NS, McGuire NS, Catawba NS, and 25 years at VC Summer NS. He has been with EPRI since February 2008. Richard specializes in the development and implementation of monitoring science and the applications to Systems and Components. Current activities include development of Automated Diagnostic Analysis capabilities and information integration to support centralized monitoring centers.
	Presentation:	This presentation will address the current state of this important technology in the nuclear power industry. Topics include EPRI's past and current technology related activities, an overview of domestic power plant applications, a discussion of the barriers to full scale implementation, and an open forum survey for what is needed to support utility needs to advance the technology implementation.

07/14/2010	Topic:	Vendor Discussion on product align to NIST security control
Track 3 – Cyber Security	Presenter:	Waterfall, Owl, Lumension, OSI/PI, NETSPI,
3:00 PM – 3:45 PM	Job Title:	TBA
	Company:	TBA
	Bio:	TBA
	Presentation:	TBA

2010 Workshop Presentations


07/14/2010	Topic: Software Quality Assurance Training for Station Personnel
Track 1 – Software Quality Assurance	Presenter: Dave Valley
4:00 PM –4:45 PM	Job Title: SAP SQA Lead
	Company: South Texas Project
	<p>Bio: Dave Valley is the Information Technology Lead Application Analysis. He joined the South Texas Project in 1978. In his current position, he is responsible for the reviewing, scheduling, and tracking of software enhancements and changes to Oracle and PeopleSoft form, reports, and database. He is the owner of the Software Quality Assurance program at the South Texas Project. Prior to his current position, Mr. Valley worked as an Oracle developer and SQA Lead in the Information Technology group. He was a Lead Auditor in the Nuclear Assurance group performing quality assurance audits at the station and vendor facilities. Dave has 34 years experience in the nuclear power industry.</p>
	<p>Presentation: Presentation of the South Texas Project Nuclear Operating Company Software Quality Assurance Training provided to all station personnel. South Texas Project's computer based training (CBT) to make station personnel aware of the SQA procedure, the need for SQA, and who to contact for SQA questions. This training is required to be taken by very person at STP with LAN access. The presentation will include an open discussion on SQA training for non-developer personnel and suggestions for generic SQA training.</p>

2010 Workshop Presentations

07/14/2010	Topic:	VoIP Lessons Learned & Integration to EP Phones
Track 2 – Infrastructure & Applications	Presenter:	Keith Cooke
4:00 PM – 4:45 PM	Job Title:	Manager and Chief Information Officer
	Company:	Energy Northwest
	Bio:	<p>Keith Cooke, Manager and Chief Information Officer joined Energy Northwest in 2006. In his current position, he is responsible for the Information Services Department of Energy Northwest. The Information Services function provides: IT Security Program Management, Application Development, Application Functional Support, Software Quality Assurance Program Management and IT Infrastructure and Telecommunications Operations. Prior to joining Energy Northwest, Mr. Cooke worked for Progress Energy in the Nuclear Division for 13 years in various leadership positions. During his career, Mr. Cooke has served in various T&D engineering, financial management, project management, and IT roles during his 25 year career. He has over 14 years of experience in the nuclear industry.</p> <p>Mr. Cooke holds a Bachelor of Science degree in Management Science from Florida Institute of Technology. He has successfully completed the Keenan Flagler School of Leadership Development at the University of North Carolina; the Progress Energy Supervisory Development program; and a member of Leadership Tri-Cities Class XIII. Leadership Tri-Cities is a leadership in the communities program that focuses, over a 1 year timeframe, on community issues that business, government and non-profits can solve in a collaborative manner. Outside of Energy Northwest he serves as an Executive Board Member of the local Boy Scouts of America and a member of the Executive Board for Special Olympics Washington.</p>
	Presentation:	Energy Northwest will present lesson learned from the recent implementation of VoIP CISCO Infrastructure utilizing PSTN circuits replacing a traditional copper PBX system. The presentation will include discussions on the steps needed to ensure regulatory compliance of operations, cut-over planning, and end-user benefits. The presentation will also provide the high level business case that was utilized to gain approval of the project to Sr. Management and the Board of Directors.


07/14/2010	Topic:	FBI INFRAGARD Process
Track 3 – Cyber Security	Presenter:	TBA
2:00 PM – 2:45 PM	Job Title:	South Carolina FBI Director - Infragard
	Company:	FBI
	Bio:	TBA
	Presentation:	TBA

2010 Workshop Presentations


07/15/2010	Topic:	Process and Technology strategy
Track 2 – Infrastructure & Applications	Presenters:	Lakshminarayanan Rajagopalan
8:00 AM – 8:45 AM	Job Title:	IT Supervisor, Nuclear Applications
	Company:	SCANA
	Bio:	Lakshminarayanan Rajagopalan is the IT Supervisor responsible for Nuclear Applications Development & Implementation support at VC Summer Station located in Jenkinsville, South Carolina. Lakshminarayanan has been with SCANA for better part of his 16 year IT career. He has extensive experience in providing Information Technology solutions for Generation (both Nuclear and Fossil/Hydro), Customer Service, and Retail Electric business needs at SCANA. Lakshminarayanan holds a Masters Degree in Computer Science & Applications and a Three Major (Physics, Electronics & Mathematics) Bachelors Degree in Science.
	Presentation:	Learn how VC Summer's IT Organization is changing the culture to align processes and technologies at the station, one application at a time. This presentation provides an overview of the initial project, OE's, and future direction.

07/15/2010	Topic:	EPRI Initiatives and Coordination
Track 3 – Cyber Security	Presenter:	Rob Austin
8:00 AM – 8:45 AM	Job Title:	TBA
	Company:	TBA
	Bio:	TBA
	Presentation:	TBA


2010 Workshop Presentations

07/15/2010	Topic: Defining a Formal Model for Plant Digital Systems Support
Track 4 – Digital Control Systems	Presenter: Paul Carlson
8:00 AM – 8:45 AM	Job Title: IT Manager - LaSalle County Nuclear Generating Station
	Company: Exelon Corporation
	<p>Bio: Paul Carlson is the IT Manager at Exelon's LaSalle County Generating Station. During his 21-year career with Exelon, Paul has held various IT-related roles including IT Manager at Dresden Station, and Plant Process Computer support and Simulator support roles at Braidwood, Dresden and LaSalle stations. Paul is an active member of the Digital Controls Subcommittee and has a Bachelors Degree in Computer Science from the University of St. Francis.</p>
	<p>Presentation: Exelon Nuclear stations have been installing microprocessor-based digital hardware to address equipment obsolescence issues and to improve plant performance since the 1990s. While the use of digital systems has contributed to improved safety and reliability, the computing components of these systems have evolved to require additional support and administration not normally performed by Nuclear Maintenance organizations. Early digital control systems were generally designed as drop-in replacements for their analog predecessors, and could be maintained similarly to traditional Instrumentation and Control systems; the computer was simply another replaceable component. However, it has become common for plant digital system vendors to utilize more powerful and expandable off-the-shelf computers with standard operating systems such as Windows and Unix variants, both to run the system logic and to provide man-machine interfaces. Given this shift in digital technology, the skills set required to maintain modern plant digital systems has expanded beyond those of a typical Nuclear Maintenance organization. This highlights a potential gap in existing personnel skills and organizational structures regarding the requirements for installing, modifying, testing, maintaining and documenting digital technology-based systems. In 2009, Exelon IT performed a fleet-wide self-assessment that confirmed that gaps do exist, and that the administration and support model for installed digital plant systems directly supporting the nuclear plant environment is neither well defined nor formalized. A subsequent benchmark assessment with Exelon's NITSL peers confirmed that we are not alone.</p> <p>This presentation will cover the results of the assessments, next steps, and hopefully will encourage further collaboration and sharing of best practices between peer utilities.</p>


2010 Workshop Presentations

07/15/2010	Topic:	Aligning Technology with the Station Business Plan
Track 2 – Infrastructure & Applications	Presenters:	Ann Orr
9:00 AM – 9:45 AM	Job Title:	Palo Verde Information Services Account Manager
	Company:	Arizona Public Service
	Bio:	Ann Orr is the Manager of the IT department at Palo Verde Nuclear Generating Station. In her 19 year career with APS, Ann has been the IT technical manager on several large projects (Nuclear Work Management and Enterprise PeopleSoft implementations) and held various IT management positions. In 2009 she was assigned Program Manager responsibilities for site implementation 10CFR Part 26 Fitness-for-Duty, Fatigue Management Program. Returning to her position as IT Department Manager in January, her focus this year is development of a long-range strategic IT plan which is tightly integrated with the Palo Verde business plan.
	Presentation:	The demand for information technology solutions has never been higher. Requests exceed our ability as a station to implement due to resource and budget constraints. Learn how Palo Verde has integrated the technology initiatives into the station 2010 - 2013 business plan. It provides a communication tool with our customers to help prioritize initiatives and improves visibility into the value information technology adds to the business results.

07/15/2010	Topic:	PM requirements for Cyber Security
Track 3 – Cyber Security	Presenter:	Dennis Searce
9:00 AM – 9:45 AM	Job Title:	TBA
	Company:	TBA
	Bio:	TBA
	Presentation:	TBA


07/15/2010	Topic:	Wireless Data Acquisition in Nuclear Power Plants
Track 4 – Digital Control Systems	Presenter:	Gary Kneeland
9:00 AM – 9:45 AM	Job Title:	Computer Engineer
	Company:	Energy Northwest - Columbia Generating Station
	Bio:	Gary Kneeland has worked at Energy Northwest for 3 years as a computer engineer. Before coming to Energy Northwest, he was a student at University of Washington, where he received a bachelor's degree in Electrical Engineering. With his time at Energy Northwest, he has worked primarily on the security computer system, and the plant process computer. During his time at Energy Northwest, Gary has worked on implementing projects such as integrating a new intrusion detection system with the plant security computer, setting up various SCADA system interfaces with plant historians, installing wireless PLC's for data gathering in high radiation areas, and upgrading various analog equipment to digital.
	Presentation:	Presentation Description: Leveraging wireless technology in plant data acquisition can reduce dose, cost, and engineering times dramatically in a nuclear power plant. This presentation will go into the requirements of installing wireless data acquisition in the nuclear environment, and show how plants are implementing this technology today.


2010 Workshop Presentations

07/15/2010	Topic:	Building a IT Strategic Planning that Supports a Multi-Year Rate Case
Track 2 – Infrastructure & Applications	Presenter:	Keith Cooke
10:15 AM – 11:00 AM	Job Title:	Manager and Chief Information Officer
	Company:	Energy Northwest
	Bio:	<p>Keith Cooke, Manager and Chief Information Officer joined Energy Northwest in 2006. In his current position, he is responsible for the Information Services Department of Energy Northwest. The Information Services function provides: IT Security Program Management, Application Development, Application Functional Support, Software Quality Assurance Program Management and IT Infrastructure and Telecommunications Operations. Prior to joining Energy Northwest, Mr. Cooke worked for Progress Energy in the Nuclear Division for 13 years in various leadership positions. During his career, Mr. Cooke has served in various T&D engineering, financial management, project management, and IT roles during his 25 year career. He has over 14 years of experience in the nuclear industry.</p> <p>Mr. Cooke holds a Bachelor of Science degree in Management Science from Florida Institute of Technology. He has successfully completed the Keenan Flagler School of Leadership Development at the University of North Carolina; the Progress Energy Supervisory Development program; and a member of Leadership Tri-Cities Class XIII. Leadership Tri-Cities is a leadership in the communities program that focuses, over a 1 year timeframe, on community issues that business, government and non-profits can solve in a collaborative manner. Outside of Energy Northwest he serves as an Executive Board Member of the local Boy Scouts of America and a member of the Executive Board for Special Olympics Washington.</p>
	Presentation:	Each year as a part of the rate-case process that Energy Northwest undertakes and 10 strategic plans are developed for the core 3 functional areas within the Company. The 3 functional areas are: 1) Plant Operations 2) Facilities and 3) Information Technology. The 10 year plan is divided into the current 3 year rate case, the future 3 year rate case and 3 year discussion forecast. The presenter will discuss how Energy Northwest utilizes the 3 phase Project Management approach to develop this Strategic plan and how it is utilized at the company, by the Board of Directors and by the Regional Rate Making Bodies in setting financial budgets and out year targets.

07/15/2010	Topic:	Mapping Nuclear Programs to NIST Cyber Controls to Establish Nuclear Common Controls
Track 3 – Cyber Security	Presenter:	Dr. Ron Ross, Director of ICS – NIST Cynthia Broadwell, Progress
10:15 AM – 11:00 AM	Job Title:	Director of ICS
	Company:	NIST Progress Energy
	Bio:	TBA
	Presentation:	TBA

2010 Workshop Presentations

07/15/2010	Topic:	Enhancing testing of replacement PPC through the use of plant system emulators
Track 4 – Digital Control Systems	Presenter:	Kevin Rumbaugh James Schnitzmeyer
10:15 AM – 11:00 AM	Job Title:	Lead Analyst Nuclear Real-Time Technical Analyst Site IT
 Kevin Rumbaugh James Schnitzmeyer	Company:	Exelon Corporation Exelon Corporation
	Bio:	<p>Kevin Rumbaugh joined Exelon in 1990. He has an undergraduate degree in Computer Science from Purdue University. His work at Exelon has been primarily focused on Plant Process Computers, PI Data Historians, Cyber Security, and other real-time nuclear systems. He has been involved in the replacement of the PPCs at thirteen units to date and is actively working on four more.</p> <p>James Schnitzmeyer joined Exelon in 1976. He has a masters degree in Nuclear Engineering from the University of Illinois. At Exelon, he has held various positions in Engineering, Operating, and Information Technology. He held a Senior Reactor Operator license from 1981 to 1992. The last 6 years he has worked on Process Computer Replacements at various Exelon sites.</p>
	Presentation:	One aspect of a PPC replacement project that is hard to test is the interaction with actual plant equipment. Many times there are no 'lab' systems available, nor is testing on the actual plant system practical. Through the use of some relatively inexpensive hardware and knowledge of the plant system, a hardware emulator was developed to simulate the Rod Position Indication System and the Traversing Incore Probe system for the Quad Cities plant. This hardware emulator enabled us to enhance testing of the new PPC and find several problems that we would have otherwise likely not found until the time of plant installation.

07/15/2010	Topic:	EPRI Technical Report, Guideline on Licensing Digital Upgrades, EPRI TR-102348, Followed by a Round Table Discussion Regarding the EPRI Technical Report
Track 1 – SQA	Presenter:	Ray Torok, Joe Naser
11:15 AM – 12:00 PM	Job Title:	Senior Project Manager, Instrumentation & Control Technical Executive
 Joe Naser	Company:	EPRI, EPRI
	Bio:	Dr. Joseph Naser is a Technical Executive with the Electric Power Research Institute's Nuclear Power Sector. He has been with EPRI for over 30 years working in a number of different areas. His major emphases are in the areas of control and protection systems, support systems, productivity improvements, visualization and information technologies, automation, and human factors aspects of digital systems and control rooms. He is a Fellow in the American Nuclear Society and a member of ISA.
	Presentation:	As existing instrumentation and control systems become obsolete, utilities are upgrading them with more modern systems based on digital technologies. This presentation is intended to provide information on implementing and licensing these digital upgrades. It includes guidance for carrying out the important steps in the design and implementation process to ensure that digital upgrade issues are adequately addressed, for performing 10 CFR 50.59 evaluation and, if necessary, the License Amendment Request, and for complying with other regulatory requirements for digital equipment.

2010 Workshop Presentations

07/15/2010	Topic:	An Approach to Assessments
Track 3 – Cyber Security	Presenter:	Steve Batson
11:15 AM – 12:00 PM	Job Title:	TBA
	Company:	Westinghouse
	Bio:	TBA
	Presentation:	TBA

09/03/2009	Topic:	A Decade of Digital Upgrades
Track 4 – Digital Control Systems	Presenter:	Michael Bailey
11:15 AM – 12:00 PM	Job Title:	Digital Process System Supervisor
	Company:	Duke Energy – Oconee Nuclear Station
	Bio:	TBA
	Presentation:	Workers at ONS are completing a 10-year program to upgrade 1970s-vintage instrumentation and control systems to state-of-the-art digital technology. In doing so, Duke Energy has become an industry leader in addressing the associated technical and regulatory issues. At present, the project team has completed digital upgrades on the integrated control system, the main turbine control system, the control rod drive system, the main generator voltage regulator, the process control system, the Emergency Power System controls, and the automatic feedwater isolation system. Regulatory approval for digital upgrades to the reactor protection system and the engineered safeguards system was received in January 2010. Together, these upgrades are successfully addressing long-term plant reliability and original equipment obsolescence issues. Summary information on each upgrade is available in the following POWER Magazine article http://powermag.com/issues/cover_stories/Top-Plants-Oconee-Nuclear-Station-Oconee-County-South-Carolina_2241_p6.html . This presentation will provide technical details beyond what is mentioned in above article.

2010 Workshop Presentations

The NITSL Executive Committee from left to right; Andy Dickson, Ann Orr, Ruth Todd, Keith Cooke, Steve Baleno, Brad Yeates, and Greg Przyjemski.

