Technology Transfer Awards Recognize Successful Member Application of EPRI Results

EPRI presents 11 technology transfer awards to 30 individuals representing 11 nuclear owners/operators.

To recognize the innovation and commitment associated with implementing EPRI products and research results, the Nuclear Sector presented 11 technology transfer awards at its advisory meetings in late January. EPRI conferred the awards to representatives from 11 nuclear companies, including four non-U.S. nuclear plant operators. Each award nomination was reviewed according to the magnitude of the impact or benefit realized and the nominees' demonstrated leadership and innovation. Several members of the Nuclear Power Council reviewed the nominations and provided input.

The awards recognize a wide array of technology transfer activities, from the use of guidelines and training for foreign material exclusion, to improved equipment reliability through fleetwide monitoring, to the use of an EPRI risk assessment tool to avoid axial offset anomaly, to the application of digital instrumentation and control case studies to accelerate training. Award details and recipients are listed below. For more information, contact **Susan Rodgers** at **704-595-2572** or srodgers@epri.com.

EPRI Nuclear 2011 Technology Transfer Awards

Award Title	**Benefit**	**Company**
Advanced Decommissioning Technologies: Lessons Learned and Experiences	Apply U.S. decommissioning experience to first-of-a-kind decommissioning projects in France.	Electricité de France S.A.
Use of Guidelines and Training for Foreign Material Exclusion	Develop guidelines and training mechanisms for implementing appropriate levels of foreign material exclusion controls.	Energy Northwest, Ameren Missouri, Luminant, Exelon Corporation
Risk Assessment Tool to Avoid Axial Offset Anomaly	Apply Boron-Induced Offset Anomaly (BOA) tool to assess risk of axial offset anomaly and improve fuel reliability.	Electricité de France S.A., Korea Hydro & Nuclear Power Co., Ltd.
First Implementation of PWR Internals Guidelines and Inspection Standard	Apply EPRI inspection and evaluation guidelines and inspection standard to develop a formal aging management program and a detailed inspection specification for use by inspection vendor.	Constellation Energy
Korean Performance Demonstration System for Nondestructive Evaluation of Dissimilar Metal Welds	Adapt U.S. experience with performance demonstration and qualification to inspection of dissimilar metal welds at Korean nuclear plants.	Korea Hydro & Nuclear Power Co., Ltd.
Computer-Based Training for Ultrasonic Testing of Voids in Nuclear Plant Piping	Develop standardized computer-based training tool for training personnel in detection and sizing of gas voids in piping.	Southern Nuclear Operating Co.

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Real-Time Health Assessment of Heat Exchanger Shell with Ultrasonic Guided Waves	Demonstrate a prototype advanced ultrasonic guided wave method for real-time assessment of low-pressure feedwater heater shell health condition.	Exelon Corporation
Accelerated Training Using Digital Instrumentation and Control Case Studies	Support transition from analog to digital instrumentation through use of EPRI case studies to accelerate training of I&C engineers	PSEG Nuclear LLC
Guidance for the Design and Use of Automation in Nuclear Power Plants	Use EPRI research to determine most appropriate degree of automation and how best to allocate functions between human and engineering elements.	Rolls Royce Marine Power
Improved Equipment Reliability Through Fleetwide On-line Monitoring	Incorporate EPRI technologies into fleetwide monitoring system, leading to early identification of incipient degradation and improved equipment reliability.	Exelon Corporation
Use of Advanced Software for Enhanced Quantification of Seismic Risk	Apply EPRI software to more accurately assess seismic core damage frequency, providing information for use in successful regulatory interactions.	Ontario Power Generation