SPECIAL SECTION: INSTRUMENTATION AND CONTROLS

Regulatory oversight of nuclear power plant digital technology use
BY STEVEN A. ARNDT

Diablo Canyon Digital I&C ISG-06 pilot application: Lessons learned
BY KENNETH J. SCHRADE, JOHN W. HEFLER, AND EDWARD L. “TED” QUINN

Level-0 PRA: Risk-informing the nuclear power plant I&C system
BY SACIT M. CETINER, MICHAEL D. MULHHEIM, GEORGE F. FLANAGAN, AND RICHARD T. WOOD

On-line monitoring of process instrumentation sensors and cables
BY H. M. HASHEMIAN

NEET program’s Advanced Sensors and Instrumentation research
BY BRUCE P. HALLBERT AND SUIBEL SCHUPPNER

Permanent air sampling systems for nuclear applications
BY DARIO DIMAGGIO AND ROBERT MORPETH

POWER


SECURITY

Computer systems of South Korea’s nuclear plant operator, Korea Hydro & Nuclear Power Company, are hacked. HEU removed from research facility in Kazakhstan; other NNSA news. IAEA lauds Armenian, Belgian security standards.
INTERNATIONAL
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Japan’s Nuclear Regulation Authority approves Takahama-3 and -4 restart reviews. Jordan and Russia sign nuclear project cooperation agreement. Ukraine signs deal for more Westinghouse fuel. EnBW sues German government for damages stemming from 2011 nuclear moratorium. Irradiation of China’s HTR-PM fuel is completed at the High Flux Reactor in the Netherlands. India’s Kudankulam-1 begins commercial operation. Finnish utility TVO to cut operating costs at Olkiluoto-1 and -2. Liability insurance coverage for South Korea’s nuclear power plants to increase tenfold.

WASTE MANAGEMENT
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Nuclear Management Partners loses contract for Sellafield site cleanup. Congress allocates $324 million in FY 2015 for operations, recovery efforts at WIPP. Waste tanks at Hanford Site continue to degrade, GAO says. DOE moves to close more underground waste tanks at Savannah River Site. NRC releases Volume 4 of safety evaluation report for DOE’s license application for Yucca Mountain repository. Working group to discuss shipment of radioactive waste from ORNL to Nevada for disposal.

INDUSTRY
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DOE proposes rule on international nuclear damage compensation. Westinghouse signs contracts for fuel, equipment; other pacts. ANZ-NLI reports switch defect; other 10 CFR Part 21 notices.

RESEARCH
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DOE panel determines R&D needs for seven advanced reactor concepts. Fusion Energy Science Advisory Committee submits strategy, minority report to DOE.

FUEL
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Strateco Resources claims damages from the Quebec government. Energy Fuels agrees to acquire Uranerz Energy.

ISOTOPES & RADIATION
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Eleven countries declare their intent to ensure supply of molybdenum-99. House passes bill to establish low-dose radiation search program. NRC proposes fines against Virginia and Indiana firms. NRC seeks influence over Department of Defense sites.

STANDARDS & DOCUMENTATION
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