# **Nuclear Technology**

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# Contents

## **CRITICAL REVIEW**

**1803** Review of Candidate Techniques for Material Accountancy Measurements in Electrochemical Separations Facilities Jamie B. Coble, Steven E. Skutnik, S. Nathan Gilliam, Michael P. Cooper

### **TECHNICAL PAPERS**

- 1827 Addressing Ambiguities in Constrained Sensitivity Analysis for Reactor Physics Problems Jeongwon Seo, Hany Abdel-Khalik, Zoltan Perko
- **1840** A Worker's Fitness-for-Duty Status Identification Based on Biosignals to Reduce Human Error in Nuclear Power Plants *Young A Suh, Man-Sung Yim*
- 1861 Advanced MCNP Simulation of the Neutron and Photon Flux and Absorbed Dose Rates for the SLOWPOKE-2 Nuclear Reactor at the Royal Military College of Canada J. C. Rook, K. P. Weber, E. C. Corcoran
- 1875 Safety Enhancement Approach Against External Hazard on JSFR Reactor Building Tomohiko Yamamoto, Atsushi Katoh, Yoshitaka Chikazawa, Hiroyuki Hara
- **1891** Risk Reduction Assessment for Installing RCP Shutdown Seal *Hao-Ti Hsu, Ching-Han Chen, Chung-Kung Lo*
- **1909** Effects of Gamma Irradiation on Organic Membrane Materials *Rencheng Wang, Boxian Chen, Ding Chen, Xuan Zhao*
- 1919 Demonstration of Structural Integrity of Boiling Water Reactor Pressure Vessels Under Ultimate Response Guideline Operation *Hsoung-Wei Chou, Chin-Cheng Huang, Pin-Chiun Huang, Yuh-Ming Ferng*
- **1932** Assessment of Leaching Characteristics for Cerium and Cesium as Surrogates for Radioactive Materials *Riyadh M. Motny, Michael E. Woods, Supathorn Phongikaroon*

#### **TECHNICAL NOTE**

1945 Analysis on Transmutation of Long-Lived Fission Products from PWR Spent Fuel Using the 30-MW(thermal) RSG-GAS Reactor *M. Budi Setiawan, P. Made Udiyani, S. Kuntjoro, I. Husnayani, T. Surbakti*