

TECHNICAL PAPERS

REACTOR SAFETY

- 81 Benchmark Study on Fuel Bundle Degradation in the Phebus FPT2 Test Using State-of-the-Art Severe Accident Analysis Codes / *B. Tóth, A. Bieliauskas, G. Bandini, J. Birchley, H. Wada, J. Hohorst, C. Jamond, K. Trambauer*

THERMAL HYDRAULICS

- 97 Modeling Molten Fuel-Moderator Interactions for the CANDU Flow Blockage Accident / *Aya Diab, Michael Corradini*
- 114 Long-Term Validation of the Molten Fuel-Moderator Interactions Model / *Aya Diab, Michael Corradini, Carl Martin*
- 126 Analysis of Flow Instability for OTSG Using Frequency Domain Control Theory / *Suxia Hou, Fuyu Zhao, Yun Tai, Liu Cheng*
- 134 Simulation of the EBR-II Loss-of-Flow Tests Using the MARS Code / *Kwi-Seok Ha, Hae-Yong Jeong, Chungho Cho, Young-Min Kwon, Yong-Bum Lee, Dohee Hahn*

RADIOACTIVE WASTE MANAGEMENT AND DISPOSAL

- 143 Loading Capacities for Uranium, Plutonium, and Neptunium in High Caustic Nuclear Waste Storage Tanks Containing Selected Sorbents / *Lawrence N. Oji, William R. Wilmarth, David T. Hobbs*
- 150 A Container Based on Polymer Composite Materials for the Ultimate Disposal of Spent Nuclear Fuel and Radioactive Waste / *H. W. Bonin, J. R. Van Tine, V. T. Bui*
- 180 Estimating Surface Facility Throughput During the Preclosure Emplacement Period at Yucca Mountain / *Leah Spradley, Mark Abkowitz, James H. Clarke*

TECHNICAL NOTE

RADIATION PROTECTION

- 195 Analytical and Experimental Investigation of Recent Challenges to Neutron Attenuation and the Relationship with Criticality Analyses / *Stanley E. Turner, Thomas G. Haynes III*