

TECHNICAL PAPERS

FISSION REACTORS

- 133 On an Improved Design of a Fluidized Bed Nuclear Reactor—II: Linear Stability and Transient Analysis / *Alexander Agung, Danny Lathouwers, Tim H. J. J. van der Hagen, Hugo van Dam, Christopher C. Pain*

THERMAL HYDRAULICS

- 145 Transient Heat Transfer Characteristics Between Molten Fuel and Steel with Steel Boiling in the CABRI-TPA2 Test / *Hidemasa Yamano, Yu-Ichi Onoda, Yoshiharu Tobita, Ikken Sato*
- 166 Current Status of Knowledge of the Fluoride Salt (FLiNaK) Heat Transfer / *J. Ambrosek, M. Anderson, K. Sridharan, T. Allen*

NUCLEAR PLANT OPERATIONS AND CONTROL

- 174 Modeling and Simulation of a CANDU Reactor for Control System Design and Analysis / *Hooman Javidnia, Jin Jiang, Majid Borairi*

REPROCESSING

- 190 Actinide Recovery Experiments with Bench-Scale Liquid Cadmium Cathode in Real Fission Product-Laden Molten Salt / *Shelly X. Li, S. D. Herrmann, K. M. Goff, M. F. Simpson, R. W. Benedict*

DECONTAMINATION/DECOMMISSIONING

- 200 Preparing High-Loaded Potassium Cobalt Hexacyanoferrate/Silica Composite for Radioactive Wastewater Treatment / *Hai-Di Liu, Fu-Zhi Li, Xuan Zhao, Gui-Chun Yun*

RADIOACTIVE WASTE MANAGEMENT AND DISPOSAL

- 209 Evaluation of Transportation and Acceptance Strategies Associated with the Potential Yucca Mountain Waste Management System / *Leah Spradley, Mark Abkowitz, James H. Clarke*
- 223 Actinide Migration in Fractures of Granite Host Rock: Laboratory and In Situ Investigations / *Bernhard Kienzler, Peter Vejmelka, Jürgen Römer, Dieter Schild, Mats Jansson*

MATERIALS FOR NUCLEAR SYSTEMS

- 241 Effect of the Intermediate Cooling Process on the Behavior of the Zircaloy-4 Cladding After a High-Temperature Oxidation / *Jun Hwan Kim, Byoung Kwon Choi, Yong Hwan Jeong, Seung Jin Oh*

RADIATION MEASUREMENTS AND INSTRUMENTATION

- 249 Measurement and Application of Paralysis Factor for Improved Detector Dead-Time Characterization / *Amol Patil, Shoaib Usman*