

TECHNICAL PAPERS

FISSION REACTORS

- 1 Hydrogen Production Using High-Temperature Steam Electrolysis Supported by Advanced Gas Reactors with Supercritical CO₂ Cycles / *Bilge Yildiz, Katherine J. Hohnholt, Mujid S. Kazimi*

REACTOR SAFETY

- 22 Evaluation of the Impact of SAMG on the Level-2 PSA Results of a Pressurized Water Reactor / *Yu-Chih Ko, Ching-Hui Wu, Min Lee*

FUEL CYCLE AND MANAGEMENT

- 34 Assessment of a Heterogeneous PWR Assembly for Plutonium and Minor Actinide Recycle / *T. A. Taiwo, T. K. Kim, J. A. Stillman, R. N. Hill, M. Salvatores, P. J. Finck*
- 55 Evaluation of Long-Life Transuranics Breakeven and Burner Cores for Waste Minimization in a PB-GCFR Fuel Cycle / *T. A. Taiwo, E. A. Hoffman, R. N. Hill, W. S. Yang*

NUCLEAR PLANT OPERATIONS AND CONTROL

- 67 Feasibility Study on Transient Identification in Nuclear Power Plants Using Support Vector Machines / *Christoffer Gottlieb, Vasily Arzhanov, Wacław Gudowski, Ninos Garis*
- 78 Investigation of Polonium Decontamination from Stainless Steel Surfaces Using the Baking Method / *Terumitsu Miura, Toru Obara, Hiroshi Sekimoto*

RADIOACTIVE WASTE MANAGEMENT AND DISPOSAL

- 90 Thermal Design of an Alternative Boiling Water Reactor Spent Nuclear Fuel Package for Yucca Mountain Repository / *P. Kar, G. Danko, J. S. Armijo, M. Misra, D. Bahrami*
- 105 Chemical Thermodynamics Consideration on Corrosion Products in Supercritical-Water-Cooled Reactor Coolant / *Norihisa Saito, Yumiko Tsuchiya, Seiji Yamamoto, Yoshie Akai, Tadasu Yotsuyanagi, Masafumi Domae, Yosuke Katsumura*

TECHNICAL NOTE

RADIATION PROTECTION

- 114 Chronic Dose Due to a Continuous Tritium Release Calculated by CAP88-PC and NORMTRI / *Stacey F. Imboden, Thomas J. Overcamp*