

CONTENTS / SEPTEMBER 2009—VOL. 167, NO. 3

TECHNICAL PAPERS

REACTOR SAFETY

339 Hazard Assessment of the CIRCE Lead-Bismuth Experimental Facility in the ICE Configuration / Luciano Burgazzi

FUEL CYCLE AND MANAGEMENT

- 348 Feasibility Study on a Simplified MOX Pellet Fabrication Process, the Short Process, for Fast Breeder Reactor Fuel / Koichi Asakura, Kentaro Takeuchi, Takayoshi Makino, Yoshiyuki Kato
- 362 Use of Isotopically Modified Erbium in Advanced LWR Fuel / Fausto Franceschini, Bojan Petrovic

THERMAL HYDRAULICS

- 371 Benchmark of Computational Fluid Dynamics Simulations Using Temperatures Measured Within Enclosed Vertical and Horizontal Arrays of Heated Rods / N. R. Chalasani, Pablo E. Araya, Miles Greiner
- 384 Benchmark of Natural Convection/Radiation Simulations Within an Enclosed Array of Horizontal Heated Rods / Pablo E. Araya, Miles Greiner

RADIATION PROTECTION

395 Calculation of Photon Exposure and Ambient Dose Slant-Path Buildup Factors for Radiological Assessment / Fritz G. Schirmers, Adam Davis, H. Omar Wooten, Donald J. Dudziak, Man-Sung Yim, David McNelis

REPROCESSING

410 Ammonium Polyuranate Precipitation from Fluoride Solutions: An Experimental Study of the UO₃-HF-NH₃-H₂O System as Applied in UF₆ Processing / A. B. Rothman, D. G. Graczyk

BOOK REVIEW

421 Nuclear Energy: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes, Sixth Edition by Raymond L. Murray / Nicholas Tsoulfanidis

DEPARTMENTS

- 422 Volume 167 Indexes
 - v Volume 167 Contents