

Nuclear Technology

VOLUME 197 · NUMBER 3 · MARCH 2017

Contents

TECHNICAL PAPERS

- 227** Multiunit Accident Contributions to Quantitative Health Objectives: A Safety Goal Policy Analysis
Daniel W. Hudson, Mohammad Modarres

- 248** Approaches to a Practical Systems Assessment for Safeguardability of Advanced Nuclear Fuel Cycles
R. A. Borrelli, Joonhang Ahn, Yongsoo Hwang

- 265** BWR Control Rod Drift Analysis Capability in the U.S. NRC Core Simulator PATHS/PARCS
P. Yarsky, Y. Xu, A. Ward, N. Hudson, T. Downar

- 284** Evaluation of the Pool Critical Assembly Benchmark with Explicitly Modeled Geometry Using MCNP6
Joel A. Kulesza, Roger L. Martz

- 296** Security Analysis of Safety Critical and Control Systems: A Case Study of a Nuclear Power Plant System
Raj Kamal Kaur, Lalit Kumar Singh, Babita Pandey

- 308** An Interactive Reverse-Engineering Cyclic Voltammetry for Uranium Electrochemical Studies in LiCl-KCl Eutectic Salt
Samaneh Rakhshan Pouri, Supathorn Phongikaroon

TECHNICAL NOTE

- 320** Effect of Radiation on the Transmission Rate of Emission Intensity of Optical Fiber Cable Used in a Nuclear Material Facility
Daewoong Choi, Bo-Young Han, Se Hwan Park, Ho-dong Kim, Geun-il Park, Jeong-Hoe Ku

LETTER

- 329** Real-Time In-Pile Acoustic Measurement Infrastructure at the Advanced Test Reactor
Vivek Agarwal, James A. Smith

INDEXES/CONTENTS

- 334** Author Index

- 335** Subject Index

- iii** Contents of Volume 197