

### TECHNICAL PAPERS

#### FISSION REACTORS

- 107 General Empirical Model for  $^{60}\text{Co}$  Generation in Pressurized Water Reactors with Continuous Refueling / *Guillermo A. Urrutia, Alberto J. G. Maroto, Roberto Fernández-Prini, Miguel A. Blesa*
- 115 Time-Dependent Accident Sequences Including Human Actions / *G. Apostolakis, T. L. Chu*

#### NUCLEAR FUELS

- 127 FUMAC—A New Model for Light Water Reactor Fuel Relocation and Pellet-Cladding Interaction / *Lewis A. Walton, John E. Matheson*
- 139 Fuel/Cladding Chemical Interaction in Mixed-Oxide Fuel at High Burnup / *Leo A. Lawrence*

#### RADIOACTIVE WASTE MANAGEMENT

- 154 Numerical Analysis of Nuclide Migration Through Fissured Geological Media / *Joonhong Ahn, Atsuyuki Suzuki, Ryohei Kiyose*
- 166 Guidelines for the Selection of Sites That Might Prove Suitable for Radioactive Waste Disposal on or Beneath the Ocean Floor / *R. C. Searle*

#### MATERIALS

- 175 Fracture Toughness Behavior of Unirradiated and Irradiated 2¼ Cr–1 Mo Steel Plate and Weldment / *W. J. Mills*

#### HEAT TRANSFER AND FLUID FLOW

- 186 Turbulent Condensation on a Cold Wall in the Presence of a Noncondensable Gas / *Michael L. Corradini*
- 196 A Kinetics and Thermal-Hydraulics Capability for the Analysis of Research Reactors / *William L. Woodruff*

### DEPARTMENTS

- 103 Authors
- 207 Book Reviews

#### ON THIS COVER

This month's cover is taken from a figure in the paper by R. C. Searle and shows some concepts for oceanic waste disposal.