

Subject Index

Volume 194 · Numbers 1, 2, and 3
April, May, and June 2016

- Accelerator-driven system, 233
- Activity inventory, 28
- Adhesion force, 353
- Analysis of Passive System Reliability (APSRA+), 39
- Atucha-2, 61
- Bayesian networks, 73
- Beyond-design-basis accident, 295
- Brachytherapy, 73
- Cladding temperatures, 387
- Computer codes
 - ANSYS, 387
 - CASMO-4E, 204
 - COBRA-EN, 324
 - DIF3D, 340
 - DONJON, 178
 - DRAGON, 178
 - MCNP, 28, 97, 233
 - MCNP5, 324, 400
 - MCNP6, 314
 - MONTEBURNS, 233
 - MURE, 324
 - NESTLE, 61
 - ORIGEN-S, 28
 - PERT-K, 340
 - REBUS-3, 217, 340
 - RELAP5/Mod3.2, 39
 - RELAP5-3D, 61
 - SCALE 6.1, 162
 - Serpent, 15
 - SIMULATE-3, 204
 - STAR-CCM+, 295
 - TRANSX, 340
 - TWODANT, 340
 - WIMS-AECL Version 3.1, 192
- Core MCNP6 calculations, 314
- Decay heat, 162
- Decommissioning, 28
- Digital pulse processing, 117
- Evaluation and screening, 127
- Explosives, 400
- Extraction, 369
- Fluoride salt-cooled high-temperature reactor, 295
- Fuel cycle, 127
- Fully ceramic microencapsulated fuel, 15
- Fusion-fission hybrid, 233
- Haynes 230, 353
- Heavy water, 192
 - reactor, 178
- Helium-3 neutron detector, 97
- Heterogeneous, 192
- High-rate spectroscopy measurements, 117
- High salt concentration, 379
- High-temperature reactor, 295
- Human reliability analysis, 73
- Internet accessible, 97
- Marine nuclear reactor, 1
- Mobile plant, 1
- Molten salt reactors, 152
 - breeder, 152
- Neutron flux characterization, 324
- Neutron-gamma technique, 400
- Neutron kinetics, 61
- Neutronic analysis
 - activation, 324
 - burnup-coupled, 324
- Nondestructive assay, 281
- Oblique control rods, 61
- Offshore platforms, 1
- Passive system reliability, 39
- Photofission, 117
- Physical protection, 340
- Plutonium
 - burning, 204
 - incineration, 314
- Preamplifier, 117
- Pressurized water reactor, 15
- Proliferation resistance, 340
- Pulsed neutron generator, 400
- Radiation treatment, 369
- Radioactive wastewater, 379
- Radiotherapy, 73
- Radiotoxicity, 271
- Rarefaction, 387
- Rare earth recovery fraction, 340
- Reactivity coefficients, 162
- Red oil, 369
- Reliability Methods for Passive Safety (RMPS), 39
- Reprocessing, 252
- Residual stress measurement, 111
- Safeguards, 281
- Seed blanket, 192
- Silicon carbide, 204
- Silver particles, 353
- Sodium-cooled fast reactor, 217
- Spent nuclear fuel, 271
- Stainless steel, 111
- Subcritical assembly, 97
- Teletherapy, 73
- Thermal explosion, 369
- Thorium, 127, 162, 178, 192, 204, 233, 252, 271
 - fuel, 217
 - fuel cycle, 136, 152
 - recovery, 136
 - resources, 136
- Thorium-plutonium MOX fuel, 314
- TRIGA research reactor, 28
- TRISO, 15
- TRU burning, 217
- Uranium-233, 252, 281
- Used nuclear fuel, 387
- U-TRU-RE-Zr fuel, 340
- Vacuum drying, 387
- Vacuum membrane distillation, 379
- X-ray diffraction, 111