SUBJECT CATEGORIES

Site Selection/Characterization and Assessment of Geological Disposal Systems
- Consent-versus Science-Based Siting
- Selection Criteria: Deep Borehole, Crystalline Rock, etc.
- Site Characterization: In situ Property Measurements of Subsurface Properties
- Post Closure Assessment: Definition, Preparation, Documentation of a Safety Case

Storage & Transportation of Used Nuclear Fuel and High-Level Waste
- High Burn-up and Mixed Oxide Spent Nuclear Fuel
- Dry and Wet Storage
- Cask Integrity Analysis and Testing
- Transportation and Storage (issues with regional versus centralized storage)
- Issues Associated with Direct Disposal of Storage Canisters

Barrier System Performance, Design, and Modeling
- Waste Form Performance (Used Fuel, HLW glass, and Ceramics)
- Engineered Barrier Performance
- Modeling Near-field and Far-field Processes: (hydrologic, chemical, thermal, and mechanical processes)
- Interfaces between Barrier Subsystems
- Studies of Engineer Barrier Components in Underground Research Facilities

Biosphere Processes
- Natural Analogues
- Defining Generic and Site-Specific Biosphere Characteristics
- Estimating Impact of Environment
- Pathway Analysis and Dose Modeling
- Exposure Scenarios

ABSTRACT DEADLINE: Friday, October 5, 2018
Anticipated deadline extension of November 9

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