



ANFM IV

Hilton Head Island, SC

April 12-15, 2009

Advances in Nuclear Fuel Management IV

Addressing a broad spectrum of front-end nuclear fuel management activities, within the context of reactor physics and fuel cycle economics.

Projected Technical Sessions

Generation-IV Design Concepts
Reactor-Based Plutonium Disposition
High enrichment >5wt% UO₂ studies
Extended Fuel Cycles and Economic Analysis
Fuel and Core Design Based On Thorium Cycles
Innovative Core Loading Strategies and Methods
Error quantification of core simulation capabilities
Utilities Experience In Reload Design and Licensing
Research Reactor Topics – fuel management practices
Nuclear data needs to enhance core simulation fidelity
Experiences and Advances In On-Line Core Monitoring
Validation of Core Analysis Tools for Fuel Management
Advanced Fuel Assembly and Burnable Absorber Designs
Addressing Practical Design Constraints On Fuel Management
Advanced fuel management and multi-dimensional burnup analysis
Management, Design, and Operation Issues of Advanced Reactor Fuels
Monte Carlo based Depletion and Full Core Analysis: New Developments and Issues
Utilization of zero power physics tests and core follow data to enhance core simulation fidelity
And many more (See conference Web site anfm2009.org)

Important Dates

Call for Papers:

May 1, 2008

Summaries Due:

Nov. 28, 2008

Final Papers Due:

Feb. 13, 2009

Projected Panel Discussions

Zero Ten - Zero fuel leakers by 2010
Adequacy of Methods for Nuclear Fuel Management
World Perspective On Nuclear Fuel Management Needs