

Winter 2010, Las Vegas, NV

Technical Sessions

Listed below are the sessions and papers that were presented at the meeting.

Data, Analysis, and Operations for Nuclear Criticality Safety-I, Tues. a.m.

[HEU Cylinders Reflected by Concrete and Cylinders Surrounded by Vermiculite and Reflected by Polyethylene](#), Mackenzie L. Gorham (Idaho State Univ)

[New ALARP Residues Recovery System-Design Concept to Operation](#), Lauren Kate McDonald (National Nuclear Lab)

[Adding Realism to Spent Nuclear Fuel Dissolving Analysis](#), Brittany Meriwether Williamson (SRNS)

[Adjoint-Based Eigenvalue Sensitivity to Geometry Perturbations, and a Warning](#), Jeffrey A. Favorite (LANL)

Effect of Fission Spectrum Data Uncertainty on Criticality Benchmark Calculations by McCARD, Ho Jin Park, Hyungjin Shim, Han Gyu Joo, Chang Hyo Kim (*Seoul Natl Univ*), Choong Sup Gil (*KAERI*)

Data, Analysis, and Operations for Nuclear Criticality Safety-II, Tues. p.m.

[Criticality Experiment Capabilities Located at the Nevada Test Site](#), William L. Myers, John A. Bounds, Steven D. Clement, Derek R. Dinwiddie, Joetta M. Goda, David K. Hayes, Rene G. Sanchez (*LANL*)

[NQA-1 Vendor Support of Criticality Safety at the MOX Fuel Fabrication Facility](#), Michael Joseph Shea (*Shaw AREVA MOX Services*)

[Dispelling the Myth of Super-Moderators](#), Shean P. Monahan, Mark V. Mitchell, Charles D. Harmon (*LANL*)

[Integral Cross Sections and Other Useful Information Extracted From Spent Fuel Data](#), Hans Toffer (*Consultant*), Warren Wittekind, Raymond Puigh, David Erikson (*Fluor Government Group*), Michael Westfall (*Consultant*)

[Verification of K-Eigenvalue Sensitivity Coefficient Calculations Using Adjoint-Weighted Perturbation Theory in MCNP](#), Brian C. Kiedrowski, Jeffrey A. Favorite, Forrest B. Brown (*LANL*)

[Enhancements in SCALE 6.1](#), Bradley Thomas Rearden (*ORNL*)

[Criticality Safety Engineer Training at Savannah River Nuclear Solutions LLC](#), John Schlessler, David G. Erickson, Joye Brotherton (*SRNS*)

A Special Session on LLNL Plutonium Facility, Wed. a.m.

[Criticality Safety Process Improvement at LLNL](#), John S. Pearson, Kevin Mahoney (LLNL)

[LLNL Standard Criticality Controls-History, Features, and Advantages](#), Debdas Biswas, John S. Pearson, John Scorby (LLNL)

[History of Criticality Safety Advisory Committee at the Lawrence Livermore National Laboratory](#), Song Huang, David Heinrichs, Brian Koponen, Charles Barnett, Debdas Biswas (LLNL)

[The Idea of "Dispersible" in Criticality Safety](#), Brian L. Koponen (LLNL, retired), Andrew Wysong, Alan Krass (LLNL)

[LLNL Plutonium Facility Criticality Alarm System](#), Soon Sam Kim, Edward Orham (LLNL)

[Hands-on Nuclear Criticality Safety Training at Lawrence Livermore National Laboratory](#), Catherine M. Percher (LLNL)

[Lawrence Livermore National Laboratory Security Category I/II SNM De-Inventory Status](#), David Riley, Debdas Biswas, Karen Dodson (LLNL)

[Criticality Safety Controls and Disposal of TRU Drums Generated by the LLNL Pu Facility](#), Shang-Chih P. Chou, John S. Pearson, John S. Wolf (LLNL)