

Summer 2010, San Diego, CA

Technical Sessions

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

Data, Analysis, and Operations in Nuclear Criticality Safety - I, Tuesday AM

[Criticality Safety Design Challenges at the MOX Fuel Fabrication Facility](#), Michael Joseph Shea, Amanda C. Bryson, Robert G. Foster (Shaw AREVA MOX Services, LLC)

[Calculated Critical Masses of ^{242m}Am for Unreflected Spherical Homogeneous Water Moderated Systems](#), Norman L. Pruvost, Donald G. Shirk (Retired), Charles T. Rombough (CTR Tech Svc)

[Monte Carlo Simulation of Fuel Pellet Spills with Axial Inter-Pellet Moderation and Stochastic Geometry](#), David A. Snopek, Qi Ao (GE Hitachi Nuclear)

[Benchmark Evaluation of Uranium Metal Annuli and Cylinders with Beryllium Reflectors](#), John D. Bess (INL)

[Direct Perturbation Calculation for TSUNAMI Sensitivity Coefficient Validation](#), Allison D. Barber (Univ of New Mexico), Donald E. Mueller (ORNL)

Validation of the SCALE Criticality Safety Codes and Data Using Reviewed Benchmark Models, Sedat Goluoglu (ORNL)

Data, Analysis, and Operations in Nuclear Criticality Safety - II, Tuesday PM

[Application of Design-Basis Accident Analysis at Sellafield](#), United Kingdom, James Richard Rendell (Sellafield Ltd)

The Revised OB-1 Method for Metal-Water Systems, R. M. Westfall, R. Q. Wright (ORNL)

[Incorporating the Adjacent Area to the IEZ Within Nuclear Criticality Accident Emergency Planning Evaluations](#), Peter L. Angelo (Y-12 NSC)

Computational Advances in Criticality Safety Analysis, Tuesday PM

[Criticality Accident Alarm System Modeling Made Easy with SCALE 6.1](#), Douglas E. Peplow, Lester M. Petrie (ORNL)

[Reducing Errors: Developments at Sellafield to Aid the Criticality Assessor](#), Dominic D. Winstanley, Paul Hulse (Sellafield Ltd)

[Revisiting the "K-effective of the World" Problem](#), Forrest B. Brown (LANL)

[COG-Special Features of Interest to Criticality Safety Practitioners](#), David P. Heinrichs, Richard M. Buck, Allan W. Krass, Edward M. Lent (LLNL)

[Bias Assessment of ²³³U Systems Using a GLLS Methodology with SCALE TSURFER](#), Bradley T. Rearden, Don Mueller (ORNL)

Hazard Analysis of Nuclear Criticality Safety Evaluations - Tutorial-I, Wednesday AM

[Bob Wilson](#) (DOE)

[Julie Johnston](#) (LANL) and Tony Marth (LANL)

[Chris Dean](#) (Nuclear Safety Assoc)

[Kevin Kimball](#) (Isotek)

Hazard Analysis of Nuclear Criticality Safety Evaluations - Tutorial-II, Wednesday PM

[Ray Reed](#) (URS SMS)

[Todd Taylor](#) (Bechtel BWXT Idaho)

[Randy Shackelford](#) (NFS)

[Michael Shea](#) (Shaw AREVA MOX Services)

[Fred Winstanley](#) (Sellafield)