

2017 NCSD Topical Meeting

"Criticality safety – pushing the boundaries by modernizing and integrating data, methods, and regulations"



ANS NCSD

Pecos River Village Conference Center, Carlsbad, NM, USA
September 10-15, 2017 (<http://conference.carlsbadans.com>)



Call for Papers

PRELIMINARY TECHNICAL SESSION TOPICS

Experiments/Benchmarks/Methods Track

Critical experiments facilities' activities
Experiment needs/proposals
Research reactors
Nuclear data (including ENDF/B-VIII) and libraries
Validation/applicability studies
Methods and software development
Extending probabilistic risk assessment to criticality safety
Information access

Spent Fuel and Other Fissile Materials Management Track

Burnup credit
Criticality methods and software development
Uncertainty and sensitivity analysis
Storage, transportation, and disposal of fissile materials
Disposal criticality and criticality consequence analysis in the disposal time frame
Spent nuclear fuel and other fissile materials criticality safety from applicants and regulators perspective
Decontamination/decommissioning/legacy
Reprocessing concepts
Fuel fabrication and operational practices
Development of standards and assessment methodology

Role of Federal Agencies Track

Regulations/regulatory guidance
Regulatory differences between DOE and Commercial/NRC
Accident analysis and alarm systems
Aging infrastructure
Material Handling/postings

Education/Training/Qualifications

Criticality safety education

Qualification programs

University initiatives/courses/distance education

Future challenges

Student session competition

Criticality Safety: General

Significant work that doesn't fit in any of the above topic areas

KEY DATES

April 24, 2017: Abstract Submission Deadline

May 5, 2017: Notification of Authors

June 2, 2017, Submission of Full Papers

July 7, 2017, Author Final Notification

August 4, 2017, Final Papers Due

August 4, 2017, Early Registration & Hotel reservation

September 10-15, 2017: Meeting

Summaries should describe significant work in ~450 words and be written in English. Abstracts and papers for electronic submission must be in Adobe Acrobat (pdf) or MS-Word format; and must be submitted at the conference website. Summary and full paper templates will be provided at the conference web site. Student papers are strongly encouraged!

ORGANIZING COMMITTEE

Honorary Chair: Todd Shrader (Manager, DOE CBFO)

General Chair: Jef Lucchini (LANL)

Technical Program Chair: Sedat Goluoglu (University of Florida)

Assistant Technical Program Chair: Kevin Reynolds (DOE)

Experiments/Benchmarks Track Lead: John Bess (INL)

Spent Nuclear Fuel Track Lead: Kaushik Banerjee (ORNL)

Federal Track Lead: Larry Berg (DOE)

Education/Training/Qualifications Track Lead: Doug Bowen (ORNL)

Finance: Jeremy Creen (NWP)

Publications: Bill Weston (RES) and Russell Hardy (NMSU)

Arrangements: Mindy Toothman, John Calliccoat (LANL) and Norbert Rempe (retired)

Sponsorship: Jef Lucchini (LANL)

Tutorials: Sedat Goluoglu (University of Florida) and Yongliang Xiong (SNL)

Student Program: Anderson Ward (DOE)

Tours and Events: Jonathan Icenhower (SNL)

Registration: Christopher Chancellor (LANL)

Website: Hugo Castillo (NMSU)

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Sponsored by: ANS Nuclear Criticality Safety Division

