

# 2005 NCS D Topical Meeting

Knoxville Marriott Hotel - Knoxville, Tennessee, USA  
September 19-22, 2005



## Call for Papers

### PRELIMINARY TECHNICAL SESSIONS TOPICS

#### Applications

Transportation/packaging  
Enrichment technologies  
Commercial power plant  
Research reactors  
Burnup credit  
Reprocessing concepts  
Waste management  
Decontamination/decommissioning/legacy material handling  
Regulations/regulatory guidance  
Accident analysis and alarm systems  
Critical experiments facilities' activities

#### Validation Studies/ Software Development

Validation/applicability studies  
Methods development  
Extending probabilistic risk assessment to criticality safety  
Information access

#### Education/Training/Qualificationion

Criticality safety education  
Qualification programs  
University initiatives/courses/distance education  
Student session competition

#### Emerging initiatives

Homeland security  
Non-proliferation  
High burn-up fuel enrichment/fabrication  
MOX initiatives  
Generation IV Reactor design/fuel fabrication issues  
Fabrication/ground transport of space reactor cores  
Storage concepts  
Emplacement of irradiated highly-enriched fuel  
Experiment needs/proposals

#### Plenary Session Topics

TVA Projections for Future Nuclear Power Generation  
NASA Nuclear Program Overview  
International Initiatives Specific to NCS

### DEADLINES

#### January 7, 2005

Electronic submission of abstracts

#### January 21, 2005

Author acceptance notification

#### February 18, 2005

Submission of full papers

#### March 1, 2005

Revisions communicated to authors

#### April 1, 2005

Final papers due

#### August 28, 2005

Early registration & Hotel reservation

- Describe new and significant work
- Use 200-300 words, one page, no figures
- Electronic submission in Adobe Acrobat (pdf) or MS-Word format
- Additional details at <http://NCS D2005.org>

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Oak Ridge-Knoxville Section**

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### ABSTRACT PREPARATION INSTRUCTIONS

For more information, please go to our web site at <http://ncsd2005.org> or contact:

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***Integrating Criticality Safety into the Resurgence of Nuclear Power***