



American Nuclear Society Accelerator Applications Division
and the International Atomic Energy Agency

"Eighth International Topical Meeting on Nuclear Applications and Utilization of Accelerators"



Pocatello, Idaho, July 30th - August 2nd, 2007

☞ Call for Papers ☞

Submission Deadline: February 15, 2007

(Author Instructions and Summary Submission at <http://www.iac.isu.edu/accapp07>)

Paper Summaries are being accepted for oral presentations and student posters at the *Eighth International Topical Meeting on Nuclear Applications and Utilization of Accelerators* ([AccApp07](http://www.iac.isu.edu/accapp07)). Summaries may be submitted on any of the general subject areas listed below. In addition, Summaries are also accepted on the special subject areas of

- Accelerators in the Life Sciences
- Embedded Workshop: Fifth Annual Workshop on Accelerator-Driven Subcritical Systems Experiments
- Accelerators in Safety and Security

General Subject Areas for AccApp07 Summary Submission

High-power Accelerator Operations:

- Operational Experience
- Beam Interface Issues
- Instrumentation & Controls
- Shielding
- Remote Handling
- Health Physics & Dosimetry
- Waste Management

Systems Engineering & Integration:

- Accelerator Driven System (ADS) Simulations
- ADS Experiments
- Design Optimizations
- Reliability Analysis
- Cost Estimating & Economics
- University Systems & Programs

Applications:

- Spallation Neutron Sources
- Industrial Applications
- Accelerator Mass Spectrometry
- Medical Imaging and Therapy
- Nuclear Waste Transmutation
- Energy Production
- Environmental Applications
- Food Safety
- Free Electron Lasers
- Portable Accelerators
- Radioisotope Production
- Inspection Technology for Explosives and Fissile Materials
- Radiation Damage and Biological Effects
- Imaging and Advances in Detectors

Other:

- Neutronics Calculations
- Codes and Models for Beam Transport and Experiment Validation
- Nuclear Data
- Photonuclear Cross Sections
- Safety and Source Term
- Subcritical Assembly Design
- Transmutation Fuels
- Separations Technologies
- Target Engineering
- Materials for Accelerator Applications
- Long-lived Fission Product Transmutation
- Accelerator-driven University Neutron Sources
- Positron Annihilation Spectroscopy

AccApp07 is sponsored by Idaho Accelerator Center, Jefferson Laboratory, Los Alamos National Laboratory, Oak Ridge National Laboratory Spallation Neutron Source, and the University of Nevada, Las Vegas.