

# ARW2015

ACCELERATOR RELIABILITY WORKSHOP

April 26-May 1, 2015  
Knoxville, Tennessee



Hosted by the Spallation Neutron Source  
at Oak Ridge National Laboratory

ARW 2015 provides a venue for the individuals from accelerator communities worldwide to meet and share their experiences on operating reliable facilities. The workshop fulfills the need to improve information exchange on technical issues and equipment reliability. It facilitates the opportunity for individuals to share their problems and solutions with their peers from other facilities around the world.

## Session Topics

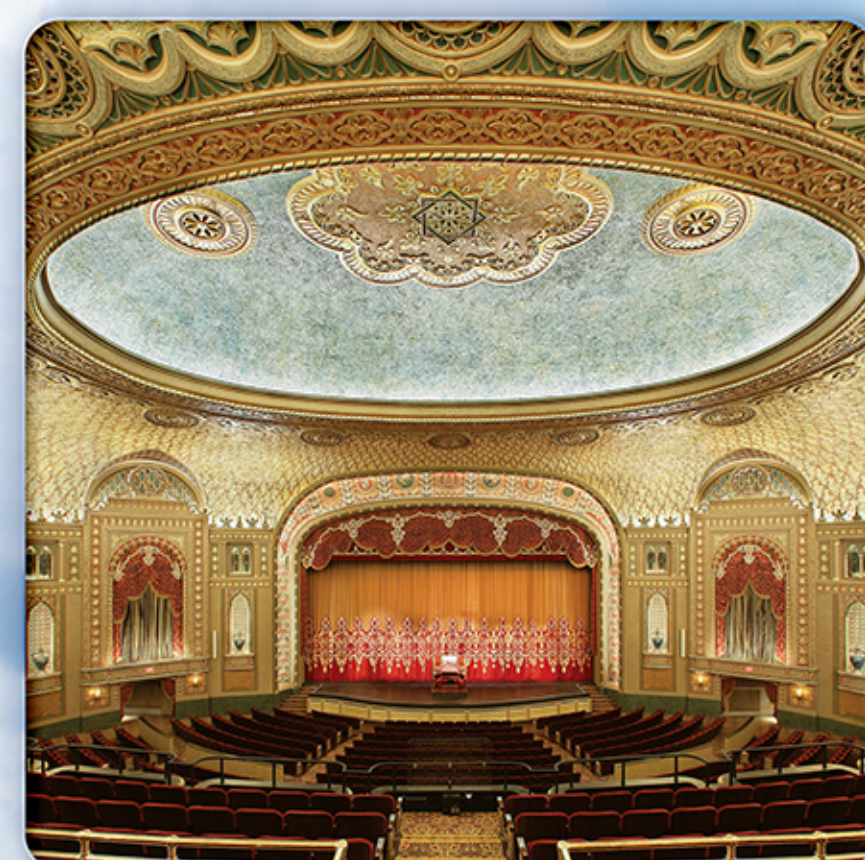
- Welcome/introduction/definition of terms
- Availability tracking and metrics
- Fault/failure detection and analysis methods
- What are your facilities major vulnerabilities?
- Reliability during facility machine design
- Reliability improvements/upgrades
- Invited speakers
- Major system reliability–Part I
- Major system reliability–Part II
- Poster session and best disaster photo
- Maintenance considerations
- Special requirements for medical accelerator facilities
- Open topics for general discussion
- Parallel discussions
- Investigation of failures
- Innovative creative tools
- Workshop highlights and next ARW

## Local Organizing Committee

Chair: George Dodson, Spallation Neutron Source  
Lisa Eady, Spallation Neutron Source, Workshop Secretary  
Douglas Curry, Spallation Neutron Source  
Glen Johns, Spallation Neutron Source  
Kevin Jones, Spallation Neutron Source, Workshop Coordinator  
Shane Passmore, Spallation Neutron Source, Workshop Coordinator

## International Organizing Committee

Chair: Rossano Giachino, CERN, Switzerland  
Lowry Conradie, iThemba LABS, South Africa  
George Dodson, Oak Ridge National Laboratory, USA  
Laurent Hardy, ESRF, France  
Dan Johnson, FNAL, USA  
Don McGilvery, Australian Synchrotron, Australia  
Samuel Meyroneinc, Institut Curie, France  
Douglas Preddy, TRIUMF, Canada  
Qing Qin, IHEP, China  
Paul Sampson, Brookhaven National Laboratory, USA  
Eiichi Takada, NIRS, Japan  
Violeta Toma, TRIUMF, Canada  
Masaru Takao, JASRI/Spring-8, Japan



For more information visit [neutrons.ornl.gov/conf/arw2015/](http://neutrons.ornl.gov/conf/arw2015/)