

ICRS-11

11th International Conference on Radiation Shielding

&

RPSD-2008

15th Topical Meeting of the

Radiation Protection & Shielding Division of ANS

FINDING YOUR WAY THROUGH THE SHIELDING MAZE!

• APRIL 13-18, 2008 • CALLAWAY GARDENS, PINE MOUNTAIN, GEORGIA, USA •

CONFERENCE ORGANIZERS

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Georgia Institute of Technology, USA

SARAH BRASHEAR
Georgia Institute of Technology, USA

Check the website
<http://icrs11.me.gatech.edu> for
further conference information
and committee contacts.

CONFERENCE SCOPE

This conference is a collaboration of the 11th International Conference on Radiation Shielding (ICRS-11) and the 15th Topical Meeting of the Radiation Protection and Shielding Division (RPSD-2008) of the American Nuclear Society.

With this conference we celebrate the first 50 years of the International Conference on Radiation Shielding. The first meeting was held in 1958 at Cambridge, UK. During the past 50 years much progress has been made in the understanding and modeling of particle and ionizing radiation shielding issues. With the increasing range of radiation applications, the need for continually addressing emerging issues exists. The increased scope of this conference over the years is clearly shown in the published proceedings.

This conference explores the scientific, technological and engineering issues associated with particle and ionizing radiation shielding in its broadest context, including nuclear energy systems, accelerator facilities, space and other radiation environments. It is one of the premier international radiation shielding events, regularly drawing hundreds of the world's top scientists and engineers.

The technical program will be comprised of plenary sessions, parallel oral technical sessions and poster sessions.

CALLAWAY GARDENS

The conference will take place at the Mountain Creek Conference Center at Callaway Gardens in Pine Mountain, Georgia, USA. Pine Mountain is located 60 minutes southwest of Atlanta, Georgia. Callaway Gardens is a man-made landscape in a unique natural setting. Conceived and created by Cason J. Callaway and his wife Virginia Hand Callaway, Callaway Gardens is a wholesome family environment where all may find beauty, relaxation, inspiration and a better understanding of the living world. With many of the native trees and shrubs in bloom, April is a great time to visit Callaway Gardens.

<http://www.callawaygardens.com/>

♦The ICRS-11 Logo was created with an MCNP5 simulation of neutrons streaming down a 3 meter concrete duct. The letters ICRS 11 (NIST concrete) were placed inside the duct. A mesh tally was used to obtain a spatial fluence rate map over the concrete duct which was then plotted in GNUPlot. This work was done by Eric Burgett, a graduate student at Georgia Institute of Technology. ♦

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IMPORTANT DATES

MARCH 20, 2007
CALL FOR PAPERS

SEPTEMBER 6, 2007
ELECTRONIC ABSTRACT
SUBMISSION OPENS

OCTOBER 10, 2007
ABSTRACT DEADLINE EXTENDED

DECEMBER 15, 2007
AUTHOR NOTIFICATION

MARCH 1, 2008
EARLY REGISTRATION DEADLINE

APRIL 13-18, 2008
MEETING

APRIL 18, 2008
FINAL PAPERS DUE

TECHNICAL SESSION TOPICS

Accelerator Shielding	Residual Activity
Aircraft Dosimetry Issues	Radiation Metrology and Regulations
Shielding Benchmarks	Radiation Protection Regulations and Reactor Shielding
Electron-Photon Data	Shielding of Spallation Sources and Related Facilities
Monte Carlo Methods and Applications	Radiation Protection Issues and Methods for Deep Space Exploration
Medical Applications	Transmutation and Storage of Radioactive Materials
Methods and Applications	Deterministic Methods
Electron Facilities Accelerators	Hybrid Methods
High-Energy Accelerators	Shielding of Synchrotron Light Sources
Intermediate-Energy Facilities	Dosimetry Issues
Lower Energy Facilities	Transport Methods for Applications in Computational Medical Physics
Nuclear Data	
Advanced Phantoms for Radiation Dosimetry	
Nuclear Modeling for Heavy Charged Particle Transport	
Activation and Transportation Characterization Calculations	
Radiation Detection and Measurements	

AUTHOR INFORMATION

The abstract should have no more than 250 words and should be structured using the following subheadings: Purpose, Methods and Materials, Results, and Conclusions. The abstract should reflect the content of the article and include the purpose of the study, the experimental design, the most important results, and an interpretation of the data, including the conclusion and any implications derived from the results.

Please visit <http://icrs11.me.gatech.edu/> for complete abstract formatting and submission instructions.

The authors of contributed work, presented at the Conference will be invited to submit a manuscript for inclusion in special issue(s) of American Nuclear Society (ANS) journal, *Nuclear Technology*. All submitted papers will be subject to full peer review.

