

# ICRS-11

11<sup>th</sup> International Conference on Radiation Shielding

&

# RPSD-2008

15<sup>th</sup> 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

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ITN, Portugal

### HONORARY CHAIR

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### LOCAL ORGANIZING COMMITTEE

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MICHAEL SHANNON  
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 11<sup>th</sup> International Conference on Radiation Shielding (ICRS-11) and the 15<sup>th</sup> 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 1, 2007**  
ELECTRONIC ABSTRACT  
SUBMISSION OPENS

**OCTOBER 1, 2007**  
ABSTRACT DEADLINE

**DECEMBER 15, 2007**  
AUTHOR NOTIFICATION

**MARCH 1, 2008**  
EARLY REGISTRATION DEADLINE

**APRIL 13-18, 2008**  
MEETING

**APRIL 18, 2008**  
FINAL PAPERS DUE

## CALL FOR PAPERS

Abstracts are solicited on the conference topics as listed below. Abstracts may cover technical accomplishments, but should represent information that has not been previously reported or published.

## ANTICIPATED TECHNICAL SESSION TOPICS

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

## AUTHOR INFORMATION

Electronic submission will open on September 1, 2007.

Complete details and templates will be posted soon at <http://icrs11.me.gatech.edu>

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.

