

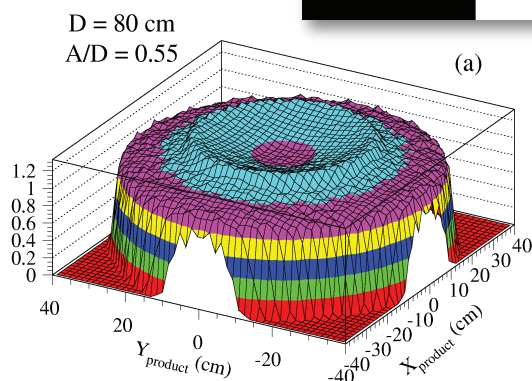
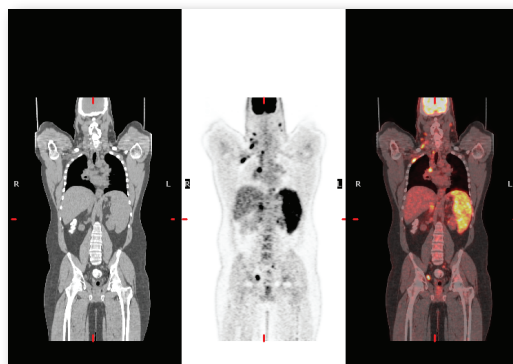
Call For Abstracts

16th Annual Meeting COUNCIL ON IONIZING RADIATION MEASUREMENTS AND STANDARDS

CIRMS 2007

Measurements and
Standards for
Radiation-Based
Imaging

October 22-24, 2007



NIST

National Institute of
Standards and Technology
Technology Administration
U.S. Department of Commerce

CIRMS 2007 Sponsors

Abbott Vascular
Best Medical International
Bristol-Myers Squibb Medical
Imaging
Bruker BioSpin Corp., EPR
Division
GE Healthcare
Global Dosimetry Solutions
Hopewell Designs
IBA Industrial
Global Dosimetry Solutions
Hopewell Designs
IBA Industrial
IBt (International Brachytherapy)
K & S Associates
K & S Associates
Landauer
Nucletron
QSA Global
Sterigenics
Steris
Theragenics
Thermo Fisher Scientific
American Association of
Physicists in Medicine
American College of Radiology
Center for Devices & Radiological
Health, US FDA
Georgia Tech NRE Program
Kent State University
Los Alamos National Laboratory
National Institute of Standards
and Technology
National Physical Laboratory (UK)
Notre Dame Radiation Laboratory
Pacific Northwest National
Laboratory
Physikalisch-Technische
Bundesanstalt
US Army Primary Standards
Laboratory
US Department of Energy
US Department of Homeland
Security
US Nuclear Regulatory
Commission

President's Letter

On behalf of the Executive Committee, it is my honor to invite you to attend the 16th annual meeting of the Council on Ionizing Radiation Measurements and Standards (CIRMS), scheduled for October 22-24, 2007, at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland. The theme of this year's meeting is "Measurements and Standards for Radiation-Based Imaging." The dynamic and diverse aspects of the importance of these measurements and standards in medicine, security, and industry will be addressed by international experts on radiation protection, industrial applications and radiation effects, medical applications, homeland security and other related areas from academia, industry and government.

This year's meeting provides a unique and excellent opportunity to the entire ionizing radiation user community to meet and discuss developments and new trends related to radiation-based imaging. Some of the invited speakers will cover general radiation imaging principles so a fundamental understanding can be gained by those unfamiliar with the topic. In addition to the general plenary sessions, there will be several parallel breakout sessions devoted to aspects of imaging in radiation therapy (medical), industrial applications, and homeland security/radiation protection. In every breakout session, the needs for measurements and standards in these three areas will be explored through discussion of the current "CIRMS Needs Report" which is intended to lead to the addition or deletion of Measurement Program Descriptors (or MPDs) as necessary. Outcomes from these breakout sessions will be presented in a joint plenary session at the end of the meeting. I would also like to take this opportunity to encourage you to submit an abstract to be presented as a poster or as a presentation in one of the breakout sessions.

Since its beginning, CIRMS has strongly encouraged and supported the participation of students in presenting their research at the annual meetings, and proudly continues this tradition by encouraging students to present their work through the Student Travel Grant program awards through which up to four students will be fully supported to attend the meeting and make an oral presentation during the plenary session. As in previous years, I would like to invite our corporate sponsors to present posters to provide an opportunity for the attendees to learn more about the wide variety of organizations that support CIRMS.

I look forward to seeing all of you at the 16th annual CIRMS meeting, and your active participation in the exciting and dynamic discussions to be held on the evolving issues of measurements and standards that are required in the radiation-based imaging arena.

Shawna L. Eisele, CIRMS President

Meeting Focus

The 16th Annual Meeting of the Council on Ionizing Radiation Measurements and Standards will focus on measurements and standards for radiation-based imaging used in industry, academia and government. For the past sixteen years, CIRMS has played an important role in serving as a public forum for discussion of radiation measurements and standards issues. The technical program this year will consist of oral and poster presentations and three parallel workshops that address measurement and standards needs for the following topics:

- Medical Applications [diagnostic and therapeutic radiology, nuclear medicine]
- Radiation Protection [radiochemistry, waste analysis, personnel dosimetry, electronic dosimeters, bioassay and internal dosimetry environmental dosimetry,
- Industrial Applications and Materials Effects [dosimetry for radiation processing, radiobiology, safety at radiation facilities]

As issues in homeland security and for first responders can be found in each field - medicine, protection, and industry - these will be addressed in each workshop as appropriate.

Plenary Sessions

The plenary sessions of this year's meeting include talks on methods of determining uncertainties in measurements, historical and international perspectives on promulgation of uncertainty, and regulatory and non-regulatory guidance issues. Breakout sessions will provide updates on topics presented at past meetings as well as the impact of uncertainties in measurements in industry, radiation protection, medicine, and homeland security.

Poster Sessions

Two blocks of time will be allocated to poster viewing and discussion. One session will focus on the activities of CIRMS's sponsoring organizations and one session will feature proffered posters on a variety of topics including the research activities of the winners of the Student Travel Grants.

As is traditional with CIRMS meetings, afternoon periods will be devoted to parallel breakout sessions in medical applications, radiological protection and industrial applications/materials effects.

Anyone wishing to make an oral presentation at a breakout session or present a poster are asked to submit an abstract to Katy Nardi by **July 14, 2007**. E-mail: knardi@cirms.org.

Registration

The registration fee of \$200 per person includes conference materials, coffee breaks, lunches, and a dinner. Please complete and return the attached interest card by **July 14, 2007**. Further agenda and registration information will be forwarded in late August to all who respond. Due to increased security, no on site registrations will be accepted and all attendees must be pre-registered.

Electronic registration is available at: <https://rproxy.nist.gov/CRS/>
Please scroll down to the dates of the conference.

Accommodations

A block of rooms has been reserved at the Hilton Washington DC North/Gaithersburg, (301) 977-8900, at a special rate of \$149 single or double, plus 12% tax. Reservations must be received by **September 28, 2007**.

Technical Information

Lisa Karam
NIST
100 Bureau Dr. Stop 8460
Gaithersburg, Maryland 20899-8460
Telephone: (301) 975-5561
Fax: (301) 869-7682
email: lisa.karam@nist.gov

Registration Information

Teresa Vicente
NIST
100 Bureau Dr., Stop 1071
Gaithersburg, MD 20899-1071
Phone: (301) 975-3883
Fax: (301) 948-2067
email: teresa.vicente@nist.gov

16th Annual CIRMS Meeting

October 22-24, 2007

Please place in an envelope and return by July 14, 2007, to:

Katy Nardi
CIRMS
P.O. Box 1238
Duluth, GA 30096
or fax to: (770) 622-0026

Interest Card

Name			
Title			
Organization			
Address			
City	State	Zip	
Phone	Fax	E-mail	