23rd Annual Meeting

CALL FOR ABSTRACTS

COUNCIL ON IONIZING RADIATION MEASUREMENTS AND STANDARDS

CIRMS

Fundamentals of lonizing Radiation



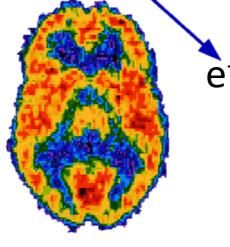


April 27-29, 2015



National Institute of Standards and Technology

U.S. Department of Commerce



www.cirms.org

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President's Letter

On behalf of the Executive Committee, it is my honor to invite you to attend the 23rd annual meeting of the Council on Ionizing Radiation Measurements and Standards (CIRMS) to be held April 27-29, 2015 at the National Institute of Standards and Technology (NIST), Gaithersburg, MD. The meeting's theme is "Fundamentals of Radiation Measurements and Standards." There have been great strides over the past few years regarding the technical advancement of radiation measurements and standards: however, at times, we need to take a step back and remember some of the basic principles that our measurements are based on. It is for this reason that the CIRMS Executive Committee has developed a program to address some of the critical aspects associated with the more fundamental aspects of radiation measurements and standards. This topic is one that several of the working groups have been thinking about for several years and was brought to the forefront by one of last year's speakers. Speakers will address how a fundamental understanding of radiation measurements can lead to better science in a global environment. The dynamic and diverse aspects of the importance of measurements and standards in this area will be addressed by international experts from academia, industry, and government on radiation protection, industrial applications and radiation effects, medical applications, homeland security, and other related areas. I invite you to visit our website www.cirms.org for updates on the evolving program.

I would like to take this opportunity to encourage you to submit an abstract to be presented as a poster presentation during the poster sessions. This year's meeting will provide ample opportunity for scientist's attending the meeting to present their research during two poster sessions (one on Monday and one on Tuesday). These poster sessions will allow for the free exchange of ideas associated with radiation measurements and standards that should be included in the next edition of the CIRMS Needs Report. Several of the posters will be used for further discussion of areas of need within the radiation community and thus be incorporated into the next Needs Report. This year's program will place more emphasis on poster presentations than on oral presentations during the working group sessions, which will focus more on discussions of the Needs Report in preparation of a new edition of the CIRMS Needs Report in 2016. CIRMS 2015 sponsors are invited to present posters that enable the attendees to better learn about the wide variety of organizations and corporations that support CIRMS; limited space for table top displays will also be available. Please submit abstracts by Monday, February 2, 2015.

As is has since its beginning, CIRMS strongly encourages the participation of students at the annual meetings, and welcomes them to present posters on their work. Several student-submitted abstracts will be selected for oral presentations as part of a poster blitz during the plenary sessions. Participation at the CIRMS meeting is an excellent way for to network with some of the preeminent scientists in the field of radiation measurements. Students are encouraged to apply to the student awards program (see below).

CIRMS is an organization made up of leaders from the academic, government, and industrial sectors who are dedicated to identifying the needs for new measurement technologies and the development of new standards in the field of ionizing radiation. This meeting provides a unique and excellent opportunity to the entire ionizing radiation user community to meet and discuss developments and new trends related to the fundamental aspects associated with various radiation sources, both machine and isotope derived. In addition to the general plenary sessions, there will be several working group sessions devoted to aspects of radiation sources in radiation therapy (medical), industrial applications, radiation protection, and homeland security. In every working group session, the needs for measurement standards in these areas will be explored by discussing the current "CIRMS Needs Report" and adding, modifying or deleting needs for standards as necessary. The final conclusions of these working group sessions will be presented in a joint plenary session at the end of the meeting.

I look forward to seeing all of you at the 23rd annual CIRMS meeting, and your active participation in the exciting and dynamic discussions to be held on the evolving visions of measurements and standards in the radiation arena at this year's meeting.

Meeting Focus

The 23rd Annual Meeting of the Council on Ionizing Radiation Measurements and Standards will focus on Fundamentals of Radiation Measurements and Standards. For more than twenty years, CIRMS has played an important role in serving as a public forum for discussion of radiation measurements and standards issues for industry, academia and government. The technical program this year will consist of oral and poster presentations and three parallel working group sessions that address measurement and standards needs in the following tonics:

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

Participants are invited to submit abstracts for poster presentation and possible presentation during the working group sessions.

Student Awards

All students in the field are encouraged to participate in the annual CIRMS meeting, and to propose abstracts for presentation as posters. As in previous years, CIRMS proudly continues its tradition to support outstanding students to present their work at the conference through the Student Grant Program Awards. Up to four awarded students will have their meeting registration fee covered, which includes participation in the technical sessions. tickets for lunch during the conference and for the BBQ dinner on Tuesday. Awardees will also receive one year's membership in CIRMS. This year's CIRMS annual meeting will focus on Fundamentals of Radiation Measurements and Standards, and Awardees are expected to present a poster paper and, if selected, a brief oral presentation during the plenary session on their research efforts. The deadline for application submittal is Monday, February 2, 2015; further information can be found at http://www.cirms.org/awards.html#stg.

As always, our sponsors are invited to present posters that enable attendees to better learn about the wide variety of organizations and corporations that support CIRMS; limited space for table top displays will also be available.

Plenary Sessions

The plenary sessions of this year's meeting will include talks on the fundamentals of ionizing radiation, its measurements and standards, and various applications; presentations will range from dosimetry basics and needs, low-level alpha-particle measurements for electronics and small-scale research irradiators, to the global outlook for ionizing radiation.

Poster Sessions

Two locations will be allocated to poster viewing and discussion. Proffered posters on a variety of technical topics from participants and students, as well as posters from CIRMS' sponsoring organizations, will be presented in the Employees' Lounge during all coffee breaks and along the Hall of Flags, just outside the primary meeting venue.

As is traditional with the CIRMS Annual Meeting, afternoons will be devoted to parallel breakout sessions in medical applications, radiological protection/homeland security, and industrial protections and materials effects. Anyone wishing to make present a poster at this year's meeting is asked to submit an abstract to Renata Freindorf by Monday, February 2, 2015.

E-mail: renata.freindorf@utdallas.edu.

Registration

The full registration fee of \$330 includes conference materials, coffee breaks, lunches and a dinner. The "no-food" option registration fee of \$185 ONLY includes conference materials (no coffee breaks, lunches or dinner). An updated agenda is available at www.cirms.org and will be provided on-site. Please register on-line before Monday, April 20, 2015; due to increased security, no on-site registrations will be accepted. All attendees must be pre-registered.

Accommodations

A block of rooms has been reserved at the Hilton Washington, DC North/Gaithersburg, (301) 977-8900, at a special rate of \$139 single or double, plus 13% tax. This rate includes breakfast. Reservations must be received no later than April 6, 2015.

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

Kim M. Morehouse. CIRMS President

23nd Annual
CIRMS
Meeting

April 27-29, 2015

Please place in an envelope and return by January 15, 2015, to:

Renata Freindorf CIRMS P.O. Box 851391 Richardson, TX 75085-1391 or fax to: (972) 883-5725

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