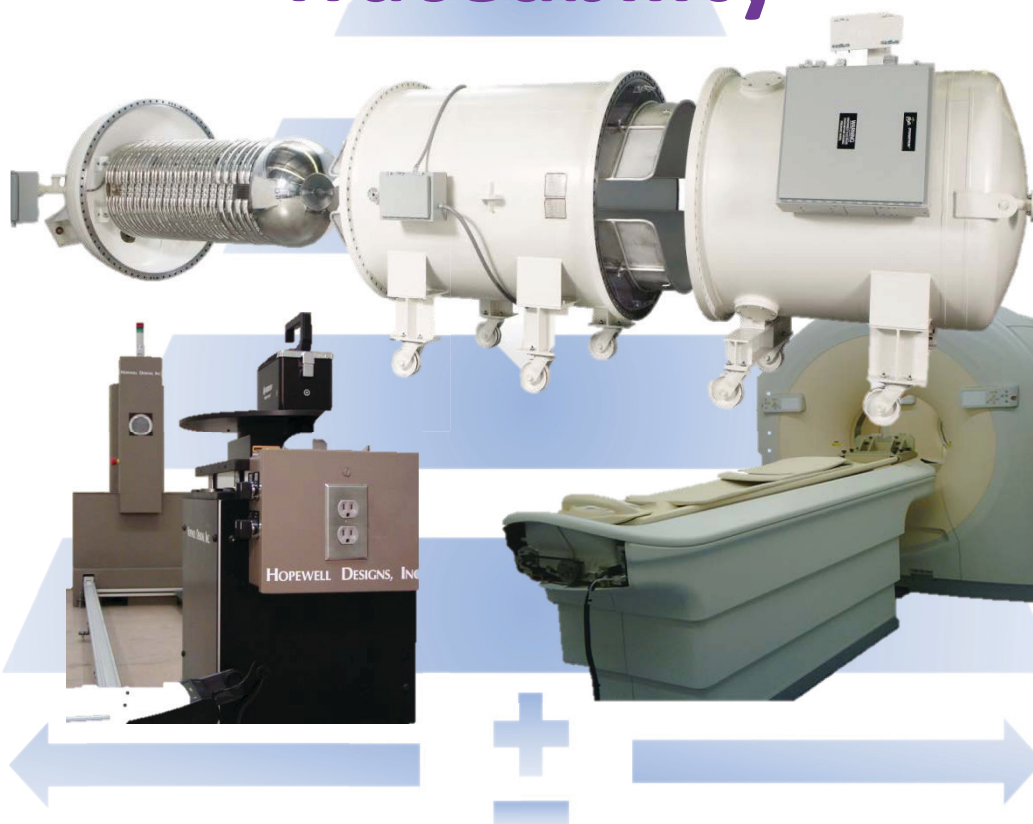


Annual Meeting
CALL FOR ABSTRACTS
COUNCIL ON IONIZING RADIATION
MEASUREMENTS AND STANDARDS

CIRMS 2012
**Confidence Through
Measurement
Traceability**



October 22-25, 2012

NIST
**National Institute of
Standards and Technology**
U.S. Department of Commerce

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President's Letter

On behalf of the Executive Committee, it is my honor to invite you to attend the 21st annual meeting of the Council on Ionizing Radiation Measurements and Standards (CIRMS) to be held October 22-25, 2012 at the National Institute of Standards and Technology (NIST) in Gaithersburg, MD. The meeting's theme for this year is "Confidence Through Measurement Traceability." The importance of traceable measurements and standards and the methodology to achieve confident traceability in the areas of radiation measurements and dosimetry will be addressed by internationally-recognized experts from academia, industry, and government and their applications discussed in the areas of radiation protection, industrial applications and radiation effects, medical applications, homeland security. I invite you to visit our website, www.cirms.org, for updates on the evolving program.

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. In addition to the general plenary sessions, there will be several working group sessions devoted to aspects of confident traceability 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," modifying the Measurement Program Descriptors (MPDs) as necessary. The final conclusions from these sessions will be presented in a joint plenary session at the end of the meeting.

The first announcement for this meeting includes a call for abstracts for participants interested in presenting at the conference, and I encourage you to submit an abstract of your work (to be presented during one of the working group sessions or as a poster). The abstracts of the papers will be available at the beginning of the conference in a book of abstracts and the final presentations will be included in the conference page of the CIRMS website; final versions of the papers will be considered for publication in the APS Proceedings upon peer review evaluation. In addition, as since its beginnings, CIRMS strongly encourages and supports the participation of **students** at the annual meetings and the presentation of their research during the working groups or as posters. CIRMS proudly continues its tradition to support outstanding students to present their work at the conference through conference registration fee waivers. A selection of the best student posters will take place at the conference and an opportunity to present their work in an oral presentation at a plenary session will be given to them (for further information, refer to the CIRMS website). As always, CIRMS 2012 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 be available.

I look forward to seeing all of you at the 21st 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.



Roberto M. Uribe, CIRMS President

Meeting Focus

The 21st Annual Meeting of the Council on Ionizing Radiation Measurements and Standards will focus on confidence obtained through the traceability of ionizing 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 groups 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, food irradiation]

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.

Student Awards

All students in the field are encouraged to participate in the annual CIRMS meeting, and to submit abstracts for presentation as posters. The best of submitted student abstracts (nine, in 2012) will be selected to be awarded with full coverage of the conference registration fee (which includes attendance at the technical sessions, lunches, and the conference dinner). The deadline for abstract submittal to be considered for student awards is **Friday, September 14, 2012**. During this year's CIRMS meeting focusing on confidence through measurement traceability, a selection of the best student posters will take place; winners will have an opportunity to present their work in an oral presentation during the plenary session and will also receive one year's complimentary membership in CIRMS. Further information can be found at http://cirms.org/student_travel_grant.html.

Plenary Sessions

The plenary sessions of this year's meeting will include talks on the development, use, and advantages of traceable measurements and standards for ionizing radiation; presentations will range from domestic and international traceability of radiation measurements and standards to confidence in metrics used to assess food irradiation, materials processing, homeland security, radiation protection and medical devices and procedures. Break out working group sessions will provide updates on topics related to this year's general theme, and on other on-going efforts in the community.

Poster Sessions

Two locations will be allocated to poster viewing and discussion. Activities of CIRMS' sponsoring organizations will be presented in the Employees' Lounge during all coffee breaks. Proffered posters on a variety of technical topics, including the research activities of the winners of the Student Travel Grants, will be presented 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 applications and materials effects. Anyone wishing to make an oral presentation at a breakout session, or present a poster, is asked to submit an abstract to Katy Nardi by August 3, 2012. E-mail: knardi@cirms.org.

Registration

The registration fee will include conference materials, coffee breaks, lunches, and a dinner. Please complete and return the attached interest card by August 3, 2012. 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.

The site for electronics registration will be announced soon.

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 by October 1, 2012.

Technical Information

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Registration Information

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21st Annual CIRMS Meeting

October 22-25, 2012

Please place in an envelope and return by August 3, 2012, to:

Katy Nardi
CIRMS
P.O. Box 1238
Duluth, GA 30096
or fax to: (443) 241-2289

Interest Card

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