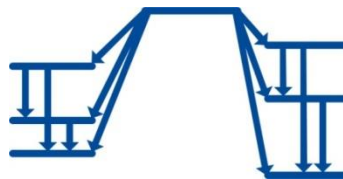


FIRST ANNOUNCEMENT AND CALL FOR PAPERS

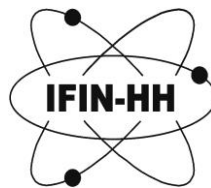
23rd International Conference on Radionuclide Metrology and its Applications (ICRM 2023)

27 – 31 March, 2023, Bucharest, Romania

Organized by:



The International Committee for Radionuclide Metrology (ICRM),



**Institutul Național de Cercetare-Dezvoltare pentru Fizică și Inginerie Nucleară
“Horia Hulubei” (IFIN-HH), Bucharest-Măgurele, Romania**

Conference Description

The International Committee for Radionuclide Metrology (ICRM) is pleased to announce that its next conference will be organized by Institutul Național de Cercetare-Dezvoltare pentru Fizică și Inginerie Nucleară “Horia Hulubei” (IFIN-HH), Bucharest-Măgurele, Romania, during the period March 27 – 31, 2023.

The main purpose of the conference is to enhance the international collaboration in the field of radionuclide metrology by presenting new developments and applications and facilitating the exchange of scientific information between the participants.

The most recent biennial ICRM conference was held at Salamanca (Spain) in 2019 and was organized by the International Committee for Radionuclide Metrology (ICRM) and the Laboratorio de Radiaciones Ionizantes – Datación from Universidad de Salamanca. The ICRM Low Level Radioactivity Measurement Techniques international conference (ICRM LLRMT 2022) was held recently, during May 2-6, 2022, in Assergi, Italy, <https://icrm2022.lngs.infn.it/>

The ICRM 2023 conference will include oral and poster presentations and business meetings of the ICRM and its working groups in several application areas of radionuclide metrology.

Radionuclide Metrology at IFIN-HH

IFIN-HH is one of the most important research institutes in Romania, www.nipne.ro. It originates from the Physics Institute of the Romanian Academy, founded by Prof. Horia Hulubei, in 1949 (the Institute of Atomic Physics (IFA), since 1956). The institute is dedicated to the research and development in physical and natural sciences, mainly Nuclear Physics and Nuclear Engineering, and in related areas including Astrophysics and Particle Physics, Field Theory, Mathematical and Computational Physics, Atomic Physics and Physics of Condensed Matter, Life and Environmental Physics.

The Radionuclide Metrology Laboratory (RML) at IFIN-HH, Romania, was established with Dr. Leon Enric Grigorescu (1932-2020) as its first head, in 1966. He was the Head of the laboratory for many years, with a number of remarkable achievements. After his retirement in 2003, Dr. Maria Sahagia took over as Head of the laboratory (until 2017) and had very important contributions to the development of the laboratory. In 2017, Dr. Aurelian Luca became the laboratory head. The traditional radionuclide metrology research performed at RML led to original and important contributions that have been recognized by the ICRM community (absolute methods for the activity standardization of radionuclides, source preparation, nuclear decay data evaluation, gamma-ray spectrometry). Now, there are also new scientific applications under development, based on Monte Carlo simulation methods, alpha-particle measurements and metrology for radon monitoring (^{222}Rn).

The International Research Center Extreme Light Infrastructure – Nuclear Physics (ELI-NP), www.eli-np.ro, is the most important research infrastructure in Romania. This project, implemented by IFIN-HH, is co-financed by the European Commission and the Romanian Government from Structural Funds via the European Regional Development Fund.

Conference Topics

- Aspects of international metrology
- Intercomparisons
- Measurement standards and reference materials
- Radionuclide metrology techniques
- Alpha-particle and beta-particle spectrometry
- Gamma-ray spectrometry
- Liquid scintillation counting techniques
- Nuclear decay data
- Low-level measurement techniques
- Radionuclide metrology in life sciences
- Source preparation techniques
- Quality assurance and uncertainty evaluation in radioactivity measurements

Additional activities during the conference will be the General Meeting of the ICRM members, visits to IFIN-HH/ELI-NP and social events.

Conference Language

The official language of the conference is English. All the abstracts and presentations (oral, poster) must be in English.

Call for papers

Scientific papers on the topics listed above are welcome. Authors wishing to submit a paper for the conference should send an Abstract to the Scientific Secretariat, using the online form to be available soon on the web page of the conference, <http://icrm2023.nipne.ro>, until October 14th, 2022.

The abstracts should be sufficiently detailed, containing relevant scientific information about the originality and importance of the results obtained by the authors. Notification of acceptance will be sent to the authors before the end of November, 2022.

Proceedings

It is intended to publish the proceedings of the conference in the journal Applied Radiation and Isotopes (<https://journals.elsevier.com/applied-radiation-and-isotopes>). The manuscripts,

written exclusively in English, will be submitted after the end of the conference and will comply with the guidelines of the journal, which will be sent to the authors, together with the information on the acceptance of the work to be presented at the conference.

The acceptance of a work for presentation at the conference, does not imply its publication in the proceedings. Only a selection of the manuscripts will be published in the journal, after a strict peer-review procedure.

Scientific Committee

Pablo Arenillas	CNEA (Argentina)
Dirk Arnold	PTB (Germany)
Steven Bell	NPL (UK)
Christophe Bobin	LNE-LNHB (France)
Michel Bruggeman	SCK•CEN (Belgium)
Marco Capogni	ENEA (Italy)
Philippe Cassette *	Sofia University St. Kliment Ohridski (Bulgaria)
Jeffrey Cessna	NIST (USA)
Sean Collins	NPL (UK)
Romain Coulon	BIPM (International)
Pierino De Felice	ENEA (Italy)
Andrew Fenwick	NPL (UK)
Ryan Fitzgerald	NIST (USA)
Raphael Galea	NRC•CNRC (Canada)
Eduardo García-Toraño	CIEMAT (retired, Spain)
Denis Glavič-Cindro	IJS (Slovenia)
Yoshio Hino	NMIJ/AIST (Japan)
Mikael Hult	EC-JRC Geel (EU)
Simon Jerome	NMBU (Norway)
Steven Judge	BIPM (retired, UK)
Lisa Karam	NIST (USA)
John Keightley	NPL (UK)
Mark Kellett	LNE-LNHB (France)
Matjaž Korun	IJS (retired, Slovenia)
Karsten Kossert	PTB (Germany)
Marie-Christine Lépy	LNE-LNHB (France)
Haoran Liu	NIM (China)
Aurelian Luca	IFIN-HH (Romania)
Franz Josef Maringer	BOKU (Austria)
Carine Michotte	BIPM (International)
Xavier Mougeot	LNE-LNHB (France)
Ole Jens Nähle	PTB (Germany)
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Virginia Peyres	CIEMAT (Spain)
Stefaan Pommé	EC-JRC Geel (EU)
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Octavian Sima	Univ. Bucharest & IFIN-HH (Romania)
Freda van Wyngaardt	ANSTO (Australia)
Akira Yunoki	NMIJ/AIST (Japan)
Brian Zimmerman	NIST (USA)

* retired from LNE-LNHB, France

Conference Venue

The conference venue will be in the city of Bucharest, Romania. The exact location is not yet confirmed by the time of issue of this First Announcement. More information will be announced on the web page of the conference.

Accommodation

A list of hotels and other lodging possibilities situated close to the conference location (preferably within walking distance), recommended by the local organizers, will be provided before the end of 2022. Low cost accommodation (rooms for 30-40 euros/night), offered by IFIN-HH, in Magurele (10 km from downtown Bucharest), is available, too.

Social Events

For the conference participants and accompanying persons, several social activities will be proposed: welcome reception, conference dinner, visits at IFIN-HH/ELI-NP. Depending on the situation at the time of the conference in Bucharest, other touristic activities might be proposed: visits in Bucharest and week-end trips in a few beautiful regions of Romania.

Scientific Secretary of the ICRM 2023 Conference:

(abstracts, scientific programme, manuscripts)

Dr. Aurelian LUCA

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Phone: +40 (0)21 404 61 63, E-mail: icrm2023@nipne.ro, or, if necessary, aluca@nipne.ro, aurelian_luca@yahoo.com

Administrative Secretary of the ICRM 2023 Conference:

(venue, accommodation, registration fee, social events)

Mrs. Raluca CRISTU and Mrs. Roxana VALICA

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E-mail: daniela.zamfir@nipne.ro

Registration Fees (preliminary estimation):

500 EUR (early registration); 550 EUR (normal registration)

In order to attend the conference, the PhD students and students will pay a reduced registration fee.

The exact fees and the payment methods will be announced on the conference web page.

Important Dates

June 30, 2022	<u>Updated Deadline</u> for pre-registration by e-mail
<u>October 14, 2022</u>	<u>Deadline for online abstracts submission</u>
November 28, 2022	Acceptance notification to authors
December 13, 2022	Second Announcement
January 6, 2023	Deadline for Early Registration
March 27-31, 2023	Conference, ICRM Working Groups
March 31, 2023	General Meeting of the ICRM
April 30, 2023	Deadline for manuscript submission

Further information, including updates or changes to the conference schedule will be included in the Second Announcement and posted to the Conference website: <http://icrm2023.nipne.ro>