



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 2020. 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 COVID-19 pandemic 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, such as the Danube Delta.



Scientific Secretary of the ICRM 2021 Conference:

(abstracts, scientific programme, manuscripts)

Dr. Aurelian LUCA

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Administrative Secretary of the ICRM 2021 Conference:

(venue, accommodation, registration fee, social events)

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Exhibition Management & Sponsorship:

Mrs. Daniela ZAMFIR

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Registration Fees

(preliminary estimation): 500 EUR (early registration); 570 EUR (normal registration).

The exact fees and the payment methods will be announced on the conference web page in January 2021.

Important Dates

October 31, 2020	Deadline for pre-registration by e-mail
January 15, 2021	Deadline for online abstracts submission
March 1, 2021	Acceptance notification to authors
March 15, 2021	Second Announcement
March 31, 2021	Deadline for Early Registration
May 31-June 3, 2021	Conference, ICRM Working Groups
June 4, 2021	General Meeting of the ICRM
July 31, 2021	Deadline for the manuscripts submission (first version)

Further information, including updates or changes to the conference schedule caused by the ongoing Covid-19 pandemic, will be included in the Second Announcement and posted to the Conference website:

<http://icrm2021.nipne.ro>



23rd International Conference on Radionuclide Metrology and its Applications

31 May - 4 June 2021, Bucharest, Romania

Organized by:



The International Committee for Radionuclide Metrology (ICRM),



Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara "Horia Hulubei" (IFIN-HH), Bucharest-Magurele, Romania

First announcement and call for papers





Radionuclide Metrology at IFIN-HH

The Radionuclide Metrology Laboratory (RML) from IFIN-HH, Romania, was established in the sixties period and Dr. Leon Enric Grigorescu (30.03.1932-25.08.2020) was its first head, since 1966. He was the Head of the laboratory for many years with remarkable achievements. After his retirement, 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. Aside the traditional radionuclide metrology research with original and important contributions of RML, 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 a few new scientific applications under development based on Monte Carlo simulation methods, X-ray spectrometry, alpha-particle spectrometry and sample preparation, metrology for radon monitoring (^{222}Rn).

IFIN-HH is one of the most important research institutes from 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 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 Description

The International Committee for Radionuclide Metrology (ICRM) is pleased to announce that its next conference will be organized by Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara "Horia Hulubei" (IFIN-HH), Bucharest-Magurele, Romania, during the period May 31 – June 4, 2021. 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 it was organized by the International Committee for Radionuclide Metrology (ICRM) and the Laboratorio de Radiaciones Ionizantes – Datación from Universidad de Salamanca.

The conference will include oral and poster presentations and business meetings of the ICRM working groups on radionuclide metrology and its applications.

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://icrm2021.nipne.ro>, until January 15th, 2021.

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 by the end of February, 2021.

Proceedings

It is intended to publish the proceedings of the conference in a journal indexed in the Journal Citation Reports (Clarivate Analytics). 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)
Arzu Arinc	NPL (UK)
Dirk Arnold	PTB (Germany)
Steven Bell	NPL (UK)
Christophe Bobin	LNE-LNHB (France)
Michel Bruggeman	SCK-CEN (Belgium)
Philippe Cassette	LNE-LNHB (retired, France)
Jeffrey Cessna	NIST (USA)
Sean Collins	NPL (UK)
Teresa Crespo	CIEMAT (Spain)
Pierino De Felice	ENEA (Italy)
Andrew Fenwick	NPL (UK)
Ryan Fitzgerald	NIST (USA)
Raphael Galea	NRG-CNRC (Canada)
Eduardo García-Toraño	CIEMAT (retired, Spain)
Denis Glavič-Cindro	IJS (Slovenia)
Yoshio Hino	NMIJ/AIST (Japan)
Mikael Hult	EC-JRC-IRMM (EU)
Simon Jerome	NMBU (Norway)
Steven Judge	BIPM (International)
Lisa Karam	NIST (USA)
John Keightley	NPL (UK)
Mark Kellett	LNE-LNHB (France)
Matjaž Korun	IJS (retired, Slovenia)
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Marie-Christine Lépy	LNE-LNHB (France)
Aurelian Luca	IFIN-HH (Romania)
Franz Josef Maringer	BEV-PTP (Austria)
Carine Michotte	BIPM (International)
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