

12th International Conference on Isotopes - 12ICI



Sunday, February 15, 2026 - Thursday, February 19, 2026

Grand Hotel Mediterraneo

Scientific Program

The Conference will seek to emphasize the interdisciplinary aspects in particular dealing with:
application of isotopes in medicine and life science: subjects related to nuclear medicine for imaging and therapy towards the theragnostic applications, radiopharmaceutical sciences and regulatory considerations;
special emphasis will be on techniques and applications in Cultural Heritage and Archeometry
the device and the techniques to study the optimization production of radionuclides for the different application
the detectors and dosimetry to highlight the safety and security in radionuclides applications with the regulatory consideration. The quality assurance protocols and also the nuclear forensic aspect and applications
the isotopes both natural and artificial in environment, radioecology and geochemistry
education and training specially for the young generation of scientist.

1. Isotopes Production and Devices

Sub-tracks:

- 1.1 Reactor based
- 1.2 Accelerator based
- 1.3 Other devices

Track Chair: Prof. S.M. Qaim - *Forschungszentrum Juelich, Germany*

Track Co-Chairs:

Jonathan Engle - *UW-Madison Cyclotron Lab, USA*
Ferid Haddad - *GIP ARRONAX, France*
Renata Mikolajczak - *POLATOM, Polish*
Hiromitsu Haba - *RIKEN, Japan*

2. Isotope Applications

Sub-tracks:

Isotope applications in:

- 2.1 Research
- 2.2 Medicine and Life Sciences
- 2.3 Cultural Heritage and Archeometry
- 2.4 Nuclear Forensics
- 2.5 Stable Isotopes
- 2.6 Industrial Applications

A special session will be dedicated to the applications of isotopes in **Cultural Heritage and Archeometry**.

Track Chair: Bernd Neumaier - *Forschungszentrum Juelich, Germany*

Track Co-Chair:

Susanta Lahiri - *SINP, India*
Speranza Falciano - *GSSI, Italy*
Dag Eriksen - *University of Oslo (UiO), Norway*

Massimo Tiepolo - UNIMI, Italy
Richard Wiens - Nordion, Canada

3. Isotopes in the Environment

Isotopes in the Environment with a focus on:

Sub-tracks:

- 3.1 Isotope Tracers
- 3.2 Radioecology
- 3.3 NORM/TENORM
- 3.4 Environmental Methods

Track Chair: Sonja Schreurs - *University Hasselt, Belgium*

Track Co-Chair:

Alexandra Ioannidou - *Aristotele Univ. Thessaloniki, Greece*
Elisabethe Fernandez - *CENA, Brasil*
Khandaker Mayeen - *Department of Physics, Kuala Lumpur, Malaysia*

4. Policy, Economics, and Global Impact of Isotope Production and Use

Policy, Economics, and Global Impact of Isotope Production and Use

Track Chair: Paul T. Dickman - *Argonne National Laboratory, USA*

Track Co-Chair:

Lidia Mattei - *Canadian Nuclear Laboratories*
Ram Mullur - *Vice-President, Strategic Development, Astral Systems*

5. Energy & Decommissioning

Energy Applications of Isotopes.

Sub-tracks:

- 5.1 Energy applications of isotopes
- 5.2 Decommissioning
- 5.3 Radioactive Waste

Track Chair: Eugenio Nappi - *INFN, Italy*

Track Co-Chairs:

Mario Mariani - *POLIMI, Italy*
Eros Mossini - *POLIMI, Italy*
Sabrina Romani - *Sogin, Italy*

6. Security, Safety and Quality Assurance

Sub-tracks:

- 6.1 Quality Control and Quality Assurance
- 6.2 Reference Materials
- 6.3 Radiation Protection
- 6.4 Nuclear Dosimetry
- 6.5 Nuclear Forensics
- 6.6 Radionuclides Metrology

Track Chair: Raphael Galea - *CNRC, Canada*

Track Co-Chairs:

Loretta Ferrero - *STELLANTIS, Italy*
Stephen LaMont - *LANL, USA*
Marco Capogni - *ENEA, Italy*
Dolores Arginelli - *ENEA, Italy*
Nicolas Uhnak - *PNNL, USA*
Richard Essex - *NIST, USA*

7. Education

Education in Nuclear Chemistry and Physics.

Track Chair: Walther Clemens - *UNI Hannover, Germany*

Track Co-Chair:

Marco Giliberti - *UNIMI, Italy*

8. Marie Curie

Marie Curie Session - THE WOMEN IN NUCLEAR

Track Chair: Meera Venkatesh - *(Former) Director of Division of Physical and Chemical Sciences, IAEA*

Track Co-Chair:

Mariagabriella Pugliese - *UNINA, Italy*

9. Young Scientists

Track Chair: Giorgio Chiarelli - *INFN, ITALY*

Track Co-Chairs:

Valery Radchenko *TRIUMPH, Canada*

Claudio Galelli - *INFN, Italy*

The Conference will seek to emphasize young students and researchers. Participants under **38 years old** at the time of the conference can apply in this section with oral or poster presentations.

The number of orals will be limited and will be encouraged the poster presentations to leave more possibility and time to discuss and interact in front of a poster.

A Committee will evaluate the best oral presentation and the best poster.

The criteria will be based on the scientific validity, ability and clarity of presentation, ability to answer the questions of the commission.

The winners will be awarded during the closing ceremony of the conference.

We encourage the young participants to present their work as publication in the Special Issue of Conference Journal.