



The **15th**

Biennial International Conference on Sustainable Development through Nuclear Research and Education

**29-31 May, 2024
Pitesti, ROMANIA**

Nuclear 2024



organized by RATEN ICN Pitesti
under the auspices of the Romanian Academy
in cooperation with the Academy of Romanian Scientists
and the Technical Sciences Academy of Romania

First Announcement and Call for papers

Looking with confidence to the future!

Joining national, European and international efforts, the NUCLEAR Conference aims to promote and support the synergistic role of nuclear energy in ensuring security of supply, reducing GHG emissions and achieving Europe's climate change objective: the first CO₂-free continent by 2050.

Having nuclear energy among the sustainable activities of the EU taxonomy provides new opportunities to the nuclear projects' development and implementation. In this context, Nuclear 2024 aims to present and discuss:

- opportunities and solutions to accelerate the nuclear projects implementation;
- most recent and valuable achievements in nuclear research and education;
- ways to strengthen collaboration among all nuclear players in the field.

NUCLEAR 2024 will be preceded on May 27–29 by the *H2020 PASCAL Summer School*, open to international participation (www.pascalworkspace.eu/structure/wp5/).

Target Audience

Every edition of the Conference attracted a large number of participants from Romania, the EU and abroad. The invitation is open but not limited to nuclear scientists, professionals, and academia, as well as to representatives of international organizations, nuclear industry, regulatory bodies, European Commission, Government representatives, national and local authorities.

To support the overall endeavors to attract nuclear talent, a broad participation of young researchers and students is highly encouraged.

Format

The conference will be organized as a 3-day event.

Plenary and parallel sessions will include keynotes, invited lectures, oral and poster presentations.

A technical visit to the experimental facilities of the Institute of Nuclear Research, designated by the IAEA in 2021 as ICERR - International Center based on Research Reactor, is scheduled for May 31.

Panels, round tables, exhibitions could be hosted, at request, as side events during the first two days of the Conference.

Important deadlines

March 15	Abstract submission
March 29	Notification for paper acceptance
April 16	On-line registration
April 30	Full paper submission

All contributions have to be submitted at:

conference@nuclear.ro

Registration shall be done at:

<https://nuclear.ro/conferinta>

Templates for abstract and full paper can be downloaded from:

<https://nuclear.ro/practical-information-2024/>

Topics

Nuclear Energy

- Advanced reactors and innovative systems, including SMRs and Gen IV
- Nuclear safety and severe accidents
- Nuclear reactors and nuclear fuels
- Nuclear technologies and materials

Environment protection

- Radioactive waste management
- Radiation protection
- Environment protection (air, water and soil)

Sustainable development

- Nuclear policies and strategies
- Research infrastructure
- Nuclear energy and the society
- Education, continuous learning and knowledge management
- International partnerships for sustainable development

Publications

All full papers accepted by the Programme and Scientific Committee will be included in the Conference Proceedings (ISSN 2066-2955) indexed in the IAEA's INIS database.

The most original and valuable papers will be invited to be published in Journal of Nuclear Research and Development (ISSN 2247 – 191X; ISSN-L 2247 – 191X), a bi-annual publication (<http://www.jnrd-nuclear.ro/>) edited by RATEN ICN Pitesti, and indexed both in the IAEA's INIS and Index Copernicus International databases.

Awards

The Conference features two categories of awards:

- Nuclear 2024 Award** – for the best 3 oral or poster papers presented by young scientists (up to 35 years old)
- Nuclear 2024 Student Award** – for Master's and Bachelor's theses presented in a poster session dedicated to students

Venue

The Conference will be hosted by RATEN ICN at the [RAMADA Hotel](#), in Pitești, Calea București 31.

The closest airport is Henri Coanda International Airport, Otopeni Bucharest (115 km to Pitesti, highway access).

Contacts

For general questions about the conference and submission of contribution: conference@nuclear.ro

For more specific matters on the conference: daniela.diaconu@nuclear.ro

For accommodation and transport assistance: crina.bucur@nuclear.ro

Participation fee

The participation fee is 350 euro and includes conference papers, daily refreshments&lunches and the Conference dinner.

The participation fee can be paid by bank transfer or cash at the registration desk. The bank account numbers are:

RO53RZBR0000060002951343 for Lei, RO80RZBR0000060015472199 for EURO.

open at Raiffeisen Bank Agentia Mioveni, SWIFT code RZBR ROBU.

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