



RATEN
ICN
PITEȘTI



NUCLEAR 2026

20-22
May

The 16th

International Conference on Sustainable Development through Nuclear Research and Education

organized by RATEN ICN Pitesti
under the auspices of the Romanian Academy
in cooperation with National University Alliance for Nuclear Energy,
the Academy of Romanian Scientists
and the Technical Sciences Academy of Romania

1st Announcement NUCLEAR 2026

NUCLEAR 2026 - Shaping a Sustainable Energy Future

As the global community intensifies its efforts towards decarbonization and energy independence, nuclear energy is increasingly positioned as a necessary component of a resilient and sustainable energy mix.

In this crucial context, we are pleased to invite you to the NUCLEAR 2026 International Conference, a forum for dialogue, innovation and strategic collaboration in the nuclear sector.

The 2026 edition takes place at a time when the “Nuclear Renaissance” is moving from political discussions to industrial reality. From the implementation of Small Modular Reactors (SMRs) to the advancement of Generation IV technologies, the nuclear field is at the forefront of the global energy evolution.

This conference will bring together researchers, industry leaders, regulators and policymakers to address the technical challenges and socio-economic opportunities of our time.

Core Topics & Themes

Nuclear 2026 will present and discuss crucial aspects of modern nuclear science and policy:

- Nuclear Safety & Severe Accident Management
- Generation IV reactors & LFR Technology
- Advanced Materials & Nuclear Technologies
- Radioactive Waste Management
- Radioprotection & Environmental Protection
- Nuclear Education & Training
- Sustainable development

Special Spotlight: The EAGLES 300 Project

We are delighted to host a special session dedicated to the EAGLES 300 project on 20 May 2026, which will provide a detailed analysis of the project's roadmap and its role in strengthening European research in LFR technology.

Conference Structure

Over two and a half days, the conference will combine plenary sessions, parallel oral and poster sessions, as well as technical visits to the RATEN ICN experimental facilities (TRIGA research reactor, Hot Cells Facilities, ATHENA and CHEMLAB).

Target Audience

NUCLEAR 2026 provides a platform that brings together:

- Research & Academia
- Industry & SMR developers
- Regulatory & International Bodies
- Decision Makers

to share the latest research findings with international peers, to connect technology providers with supply chain partners, to harmonize regulations with IAEA, NEA, and European Commission frameworks and to shape the future of energy and research policies.

Join us to share your expertise and contributions to the development of nuclear technologies and to engage in networking for a secure and carbon-free energy future.

Venue

The Conference will be hosted by the Institute for Nuclear Research at its headquarters in **Mioveni, Câmpului 1, 115400, Arges, Romania**.

25 km North from Pitesti, on the national road Pitesti - Brasov.

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

Transfer

From Bucharest, Pitesti can be reached by car - on freeway A1, or by train - every 2 hours from Bucharest North Railway Station (Gara de Nord), or by bus - almost every 30 min. from Militari Bus Station.

At request, the Organizing Committee can assist foreign participants with the transfer from the airport to Pitesti.

The transport from Pitesti to Mioveni will be provided by the Institute for Nuclear Research.

Registration

On line registration can be done at <https://nuclear.ro/conferinta> until May 8th 2026.

The participation fee is 500 euro, Students: 250 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 Mioveni Branch, SWIFT code RZBR ROBU.

Abstract and Paper Submission

If you are carrying out research and innovation in the nuclear sector, Nuclear 2026 is an opportunity to showcase your work to a global audience of industry leaders, regulators and academic peers. We are looking for original, high-quality contributions on the conference topics.

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.inrd-nuclear.ro/>) edited by RATEN ICN Pitesti, and indexed both in the IAEA's INIS and Index Copernicus International databases.

All contributions will be submitted at: conference@nuclear.ro

Templates for abstract and full paper can be downloaded from: <https://nuclear.ro/conferinta/templates>

Important Deadlines

- **March 15** Abstract submission
- **March 31** Notification for paper acceptance
- **April 29** Full paper submission
- **May 8** Online registration

Contact persons

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

For more specific matters on the conference: ileana.cretu@nuclear.ro

For accommodation and transport assistance: cristina.diaconescu@nuclear.ro

Scientific and Programme Committee

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