

**Nuclear
2020**

The 13th
**Annual 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 University from Pitesti,
the Academy of Romanian Scientists
and the Technical Scientist Academy of Romania

**27-29 May, 2020
Pitesti, ROMANIA**

Organized by the Institute for Nuclear Research, under the auspices of the Romanian Academy and in cooperation with University of Pitesti, Academy of Romanian Scientists and Technical Sciences Academy of Romania, NUCLEAR2020 joins the national, European and international efforts to promote and support the benefits of nuclear energy in mitigating the climate change and its synergistic role in the energy mix and in ensuring energy security.

In this context, Nuclear 2020 particularly aims to:

- promote the role and contribution of the nuclear energy in achieving the climate goals;
- promote the most recent and valuable results of nuclear research and education;
- strengthen the collaboration among research, academia, nuclear industry and business environment at national, European and international level;
- reflect on the national nuclear engineering and research with the occasion of an anniversary year.

Every year, the Conference attracts around 250 participants from Romania and abroad. The invitation is open but not limited to nuclear scientists, professionals, and academia, as well as to representatives of nuclear industry, regulators, local and national authorities, Romanian Government, European Commission and international organizations.

A large participation of young researchers and students in the nuclear field is highly encouraged and aimed in supporting the Romanian efforts for talent attraction and retention.

Structure

NUCLEAR2020 includes plenary sessions, parallel sessions (oral and poster), round tables and technical visits to the experimental facilities of the Institute for Nuclear Research: the TRIGA reactor and the hot cells.

Special Event

Exceptionally, this edition will organize a session entitled “**Nuclear energy and the society**”, jointly with the Committee on History and Philosophy of Science and Technology (CRIFST) in the Romanian Academy. The session precedes the celebration of the 50th anniversary of RATEN ICN and targets to address the interface between science/new technologies and the public, the most recent innovations and trends in nuclear energy, and the challenges faced in the knowledge management.

Topics

Nuclear Energy

- Advanced nuclear systems
- Nuclear security and severe accidents
- Nuclear reactors
- 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
- Education, continuous learning and knowledge management
- International partnerships for sustainable development

Awards

The Conference features two categories of awards:

- 1. Nuclear 2020 Award** – for the best papers produced by researchers below 35 years old
- 2. Nuclear 2020 Student Award** – for Master and bachelor thesis presented during the Conference, in the session dedicated to students in nuclear field.

Venue

The Conference is hosted by the Institute for Nuclear Research at their premises in Mioveni, town located at about 25 km North from Pitesti, on the national road Pitesti - Brasov. The closest airport is Henri Coanda - Otopeni, Bucharest (115 km to Pitesti, freeway access).

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.

Accommodation

The Organizing Committee advises participants to choose one of the following hotels in Pitesti:

Hotel Ramada Calea Bucuresti 31
phone: +4 0372 480500,
www.ramadapitesti.ro

Hotel Victoria Str. Egalitatii no. 21,
phone: +4 0248 220777,
www.victoriahotel.ro

Hotel Yaky Center Bulevardul Republicii 57
phone: +4 0248 224227,
www.yakycenter.ro

Hotel Arges Piata Munteniei 3
phone: +4 0248 223399,
www.hotelarges.ro

Upon request, the Organizing Committee can assist attendants with hotel reservation.

Important Deadlines

February 28 Abstract submission and registration
March 31 Notification for paper acceptance
April 20 Full paper submission

All contributions have to be submitted at
conference@nuclear.ro.

Registration will be done at www.nuclear.ro the latest by **May 10, 2019**.

Contacts

For general questions about the conference and submission of contribution:

conference@nuclear.ro

For more specific matters on the conference:

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For accommodation and transport assistance:

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Scientific Committee

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- Prof. Dr. Adrian BADEA - Academy of Romanian Scientists, Romania
- Dr. Alessandro ALEMBERTI - ANSALDO Nucleare, Italy
- Prof. Dr. Hamid Ait ABDERRAHIM, SCK.CEN, Belgium
- Dr. John SAROUDIS - JIS Consultanta, Romania
- Dr. Nicolae ZAMFIR - IFIN HH Bucuresti, Romania
- Dr. Teodor CHIRICA - EnergoNuclear, Romania
- Prof. Dr. Ilie PRISECARU - University Politehnica Bucharest, Romania
- Prof. Dr. Dumitru CHIRLESAN - University of Pitesti, Romania