

## Contacts

For general questions about the conference and contribution submission:

[conference@nuclear.ro](mailto:conference@nuclear.ro)

For more specific matters on the conference:

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For accommodation and transport assistance:

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## Organizing Committee

- Daniela Diaconu
- Minodora Apostol
- Marin Constantin
- Cristina Alice Margeanu
- Dumitru Lucan
- Cristian Dulama
- Radu Vasile
- Crina Bucur
- Alexandru Nitu
- Ileana Cretu
- Eleonora Florea
- Alina Constantin
- Stefan Preda
- Mihai Constantin
- Silviu Macaneata
- Octavian Babusi



**Nuclear 2021**  
**The 13<sup>th</sup> 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

**26-28 May, 2021  
Pitesti, ROMANIA**

NUCLEAR 2021 Conference, organized by the Institute for Nuclear Research (RATEN ICN) in the year marking the 50th anniversary since its establishment as scientific and technical support organization for the Romanian nuclear programme, invites scientists and engineers, policy and decision makers, professors and university students to celebrate together half a century of nuclear research at Mioveni-Romania, and to share the latest achievements in scientific activity, which continued in spite of the pandemic restrictions.



**Please save the date and register online  
in order to receive further information on the Conference programme!**



## Structure

Our first option and the preferred one is to welcome you in person, at our premises. We are also prepared to combine the physical presence with the online participation, or to hold the conference entirely online, if needed.

NUCLEAR 2021 includes plenary sessions and poster presentations.

Round tables and technical visits to RATEN ICN experimental facilities - TRIGA Reactor and the Hot Cells Facility - will be organized only if physical presence will be possible.

## Special Event

Exceptionally, this edition will include a session entitled “**Nuclear energy and society**”, jointly organized with the Committee of *History and Philosophy of Science and Technology* of the Romanian Academy. The session is dedicated to the celebration of the RATEN ICN 50<sup>th</sup> anniversary 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 and SMRs
- Nuclear safety and severe accidents
- Nuclear reactors, 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 society
- Education, continuous learning and knowledge management
- International partnerships for sustainable development

## Awards

The Conference will offer two categories of awards:

- 1. Nuclear 2021 Award** – for the best three papers produced by young scientists (below 35 years old)
- 2. Nuclear 2021 Student Award** – for the best three Master or Bachelor thesis presented during the Conference, in the Student Poster Session.

The evaluation criteria will be available on the Conference website.

## Important Deadlines

- March 15** 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](mailto:conference@nuclear.ro)

Registration will be done at

[www.nuclear.ro/online\\_registration/register.php](http://www.nuclear.ro/online_registration/register.php)

the latest by **May 10, 2021**.

## Scientific Committee

- **Prof. Univ. Dr. Ing. Șerban Constantin VALECA** - RATEN ICN, Romania
- **Acad. Marius PECULEA** - Academia Română
- **Acad. Prof. Dr. Nicolae ZĂMFIR** - IFIN HH București, Romania
- **Dr. Teodor CHIRICA** – SNN/FORATOM, Romania
- **Dr. Marian-Catalin DUCU** – RATEN, Romania
- **Dr. Alexandru TOMA** - RATEN, Romania
- **Dr. John SAROUDIS** - JIS Consultanta, Romania
- **CS I Ilie TURCU** - RATEN ICN, Romania
- **Prof. Dr. Adrian BADEA** - Academy of Romanian Scientists, Romania
- **Prof. Univ. Em. Dr. Ing. DHC. Valeriu V. JINESCU** - Technical Sciences Academy of Romania
- **Dr. Alessandro ALEMBERTI** - ANSALDO Nucleare, Italy
- **Prof. Dr. Hamid Ait ABDERRAHIM**, SCK.CEN, Belgium
- **Prof. Dr. Dumitru CHIRLESAN** - University of Pitesti, Romania
- **Prof. Dr. Ilie PRISECARU** - University Politehnica Bucharest, Romania