



IAEA

60 Years

Atoms for Peace and Development

Announcement of Technical Meeting AI4Atoms

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on behalf of the organizers

Nuclear Data Section
Division of Physical and Chemical Sciences NAPC
Department for Nuclear Sciences and Applications
IAEA, Vienna

3rd Workshop of Spanish Users on Nuclear Data on
“Machine Learning in Nuclear Science and Technology Applications
27 May 2021

- Cross-cutting IAEA Technical Meeting on ML/AI for Nuclear Technology and Applications
- Between 25 and 29 October 2021
- Plenary and working group sessions
- Plenary sessions are open for everyone (but you need to register “form A”)
- Working groups are invitation-only

Topics of plenary sessions

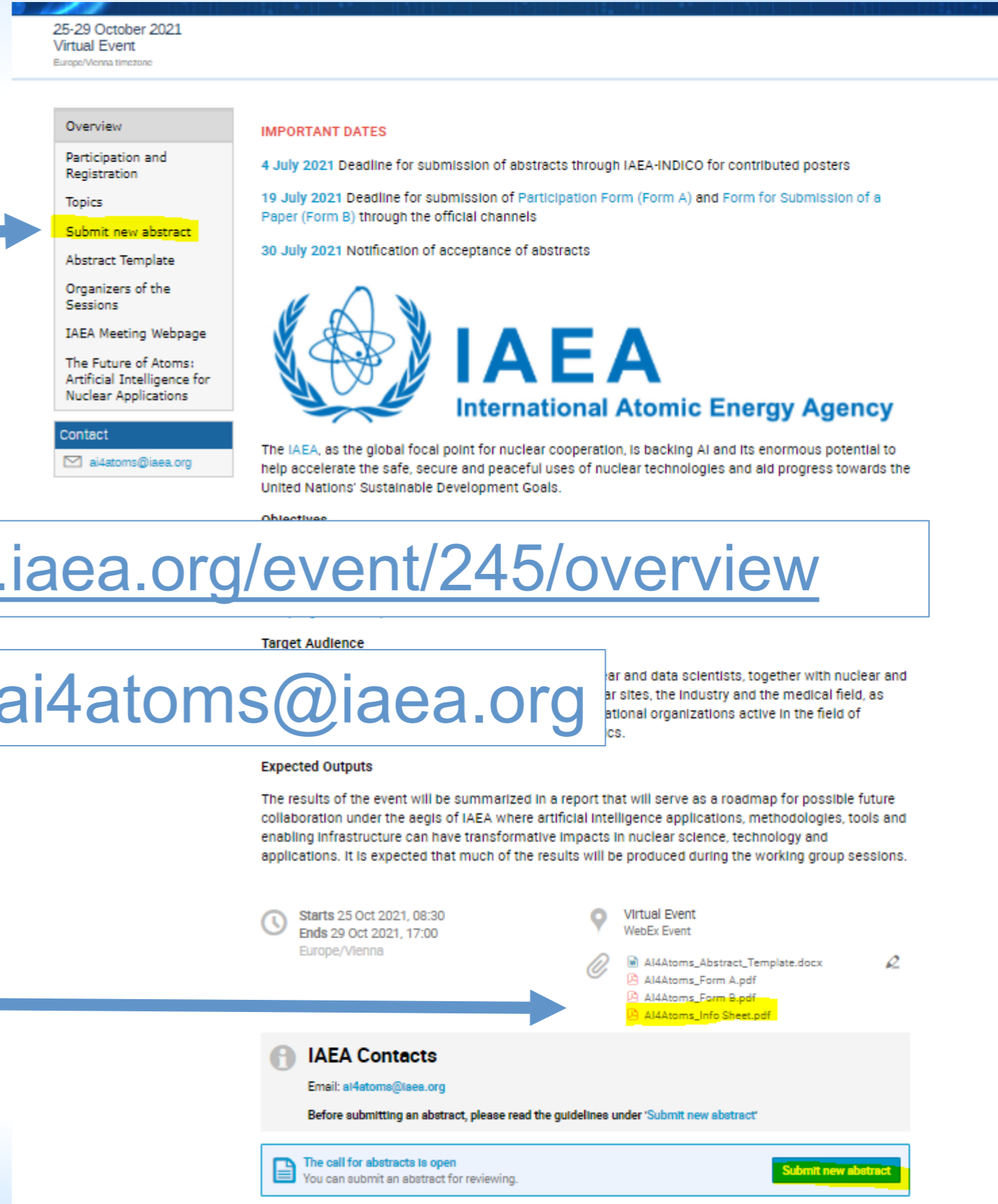
- **Enabling infrastructure:** AI, ML, open data science, standardized frameworks, comprehensive data management, uncertainty quantification, data curation, high performance computing, advanced manufacturing, educational and training activities, ethics
- **Advanced Modelling and Simulation Methodologies:** Integrated modelling, multi-physics multiscale modelling, virtual systems/digital twin technology, optimizes system design, improved system performance and user experience

Domains involved:

Ethics, Food and Agriculture, Human Health, Nuclear Data, Nuclear Fusion, Nuclear Physics, Nuclear Power, Nuclear Security, Radiation Protection, Radioisotopes and Radiation Technology, Safeguards Verification, Water and Environment

More information

Abstract submission →



25-29 October 2021
Virtual Event
Europe/Vienna timezone

Overview
Participation and Registration
Topics
Submit new abstract
Abstract Template
Organizers of the Sessions
IAEA Meeting Webpage
The Future of Atoms: Artificial Intelligence for Nuclear Applications
Contact
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IMPORTANT DATES

- 4 July 2021 Deadline for submission of abstracts through IAEA-INDICO for contributed posters
- 19 July 2021 Deadline for submission of Participation Form (Form A) and Form for Submission of a Paper (Form B) through the official channels
- 30 July 2021 Notification of acceptance of abstracts

 **IAEA**
International Atomic Energy Agency

The IAEA, as the global focal point for nuclear cooperation, is backing AI and its enormous potential to help accelerate the safe, secure and peaceful uses of nuclear technologies and aid progress towards the United Nations' Sustainable Development Goals.

Objective:

Target Audience:

AI researchers, computer scientists, data scientists, together with nuclear and particle physicists, nuclear engineers, nuclear sites, the industry and the medical field, as well as national organizations active in the field of artificial intelligence.

Expected Outputs:

The results of the event will be summarized in a report that will serve as a roadmap for possible future collaboration under the aegis of IAEA where artificial intelligence applications, methodologies, tools and enabling infrastructure can have transformative impacts in nuclear science, technology and applications. It is expected that much of the results will be produced during the working group sessions.

Starts 25 Oct 2021, 08:30
Ends 29 Oct 2021, 17:00
Europe/Vienna

Virtual Event
WebEx Event

- AI4Atoms_Abstract_Template.docx
- AI4Atoms_Form A.pdf
- AI4Atoms_Form B.pdf
- AI4Atoms_Info Sheet.pdf

IAEA Contacts
Email: ai4atoms@iaea.org
Before submitting an abstract, please read the guidelines under 'Submit new abstract'

The call for abstracts is open
You can submit an abstract for reviewing.

Submit new abstract

<https://conferences.iaea.org/event/245/overview>

Contact: ai4atoms@iaea.org

Info sheet →