Second International Conference on Accelerators for Research and Sustainable Development

Monday 22 June 2026 - Friday 26 June 2026

IAEA Headquarters

Themes, Topics and Structure

The IAEA welcomes contributions in all fields of accelerator technology, accelerator-based research and applications. The scope of the conference is meant to cover, but is not limited to, the following topical areas, under two main themes/tracks:
A. Accelerator technology innovation and best practices in sustainable facility management:

A.1. Novel accelerator technologies (including compact accelerators)
A.2. Facility infrastructure (including diagnostics and instrumentation, data acquisition systems, etc.)
A.3. Establishment of new facilities, strategic planning and sustainable facility operation
A.4. Sharing best practices on open science approaches and data management
A.5. User programmes and regional/interregional networking
A.6. Knowledge management and capacity building
B. Cutting-edge methods, scientific results, case studies and success stories demonstrating technical advancement and socioeconomic impact:

B.1. Environmental applications (including geosciences and climate change)
B.2. Food safety, security and nutrition
B.3. Medical applications
B.4. Biology, radiobiology, biophysics
B.5. Cultural and natural heritage
B.6. Engineering and energy applications
B.7. Space applications
B.8. Materials research
B.9. Forensics and security applications
B.10. Nuclear data and modelling
B.11. AI, machine learning and software development
B.12. Radioactive ion beams
B.13. Nuclear astrophysics
B.14. Particle physics

The conference will consist of plenary sessions on topics under the two main themes outlined. The programme will feature invited keynote speakers from academia and industry, giving oral presentations and participating in panel discussions and roundtable sessions. Several poster sessions will be organized to allow ample time for discussion and interaction. In addition, participants will have an opportunity to interact with conference exhibitors and participate in technical tour(s). A closing roundtable session will review the main conclusions drawn in the plenary sessions and will summarize recommendations for the future development of accelerator technologies, science and applications.

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A.6. Knowledge management and capacity building

B. Cutting-edge methods, scientific results, case studies and success stories demonstrating technical advancement and socioeconomic impact

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B.2. Food safety, security and nutrition

B.3. Medical applications

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