

KEY DEADLINES:

Electronic submission of synopses through INDICO	20 January – 15 March 2020
Submission of Forms A and B through official channel	1 June 2020
Notification of acceptance of synopses	15 July 2020
Registration only (submission of Form A through official channel)	No deadline

LANGUAGE

The working language of the conference will be English.

REGISTRATION

No registration fee is charged to participants.

EXHIBITION

A limited amount of space will be available for commercial vendors' displays/exhibits during the conference. Interested parties should contact the Scientific Secretariat by email to RP2020@iaea.org before 1 June 2020.

CONFERENCE SECRETARIAT

Scientific matters and paper submission:

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Conference web page

<https://www.iaea.org/events/international-conference-on-radiation-safety-2020>

Please include reference number

IAEA-CN-279/EVT1902962 in all communications.



IAEA-CN-279

International Conference on

RADIATION SAFETY

Improving Radiation Protection in Practice

9–13 November 2020, Vienna, Austria



Organized by the



In cooperation with



BACKGROUND

Radioactivity and radiation sources are used widely in medicine, industry, research and agriculture, as well as for electricity generation. They make an important contribution to economic development and people's well-being when used safely.

The International Atomic Energy Agency (IAEA) supports Member States in work to protect people and the environment from the harmful effects of ionizing radiation without unnecessarily restricting the many beneficial applications of radiation.

OBJECTIVES AND EXPECTED OUTCOME

The Conference will provide a forum for sharing of experiences in applying the system of radiological protection, as provided for in the IAEA General Safety Requirements Part 3, *Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards* (GSR Part 3), to the protection of workers, patients, the public and the environment.

It will identify the key challenges in radiation protection that need to be addressed by the international community, as well as possible solutions. Discussions will focus on the radiological protection system's basic principles and concepts as well as new scientific knowledge.

Both natural and artificial radiation sources fall within the scope of the Conference. The Conference sessions will cover three basic principles of radiological protection (justification, optimization and dose limitation), and all exposure situations

AUDIENCE

The Conference will bring together regulators, researchers, operators and other radiation protection professionals.

TOPICS

The conference sessions will focus on the following topical areas:

1. Justification and optimization

- Accounting for societal values;
- Decision making and stakeholder involvement; and
- Review of justification decisions.

2. Dose constraints and reference levels

- How to establish appropriate dose constraints and reference levels;
- Regulatory and operational lessons;
- Optimization below the reference level; and
- Development and use of diagnostic reference levels.

3. Applying the graded approach

- The graded approach to regulation;
- The graded approach to operational radiation protection;
- Managing hazards and risks.

4. Conservatism in radiation protection

- Conservatism in the linear–no threshold model;
- Conservatism in dose assessment and modelling; and
- Communicating radiation risks.

5. Planned exposure situations

- Practical application of radiological protection standards;
- Occupational dose limit for the lens of the eye;
- Authorized discharges and protection of people and the environment;
- Criteria for release of patients following administration of radionuclides; and
- Dose limit for the public in planned exposure situations.

6. Emergency exposure situations

- Radiological criteria for transition;
- Optimized protection strategies; and
- Managing exposures of workers and the public.

7. Existing exposure situations

- Radon in homes and workplaces;
- Natural and artificial radionuclides in food and drinking water; and
- Cosmic ray exposure of aircrew and space crew; implications of space tourism.

8. Non-medical human imaging

- Exposures in medical facilities;
- Exposures in non-medical facilities; and
- Justification, optimization and ethical aspects.

9. Exemption and clearance

- Exemption of practices and materials;
- Clearance of materials; and
- Trade in contaminated commodities.

10. Capacity building

- Education and training;
- Competence in radiation protection; and
- Safety culture.

CALL FOR PAPERS

All participants who wish to give oral or poster presentations at the conference must submit a synopsis on one of the topics listed above. Authors who prefer to present their papers as posters are requested to indicate this preference when submitting their synopsis. All submissions except invited papers must present original work and should not have been published elsewhere.

IMPORTANT: Only papers submitted electronically through IAEA-INDICO can be accepted. Authors are encouraged to submit the synopses as early as possible.