

**International Conference on the Management of Spent Fuel from Nuclear Power Reactors:  
Learning from the Past, Enabling the Future**

**Young Generation Event (YGE) Spent Fuel Management (#SFM19) Challenge**

**24–28 June 2019, Vienna, Austria**

The United Nations 2030 Agenda for Sustainable Development and the Sustainable Development Goals (SDGs) were adopted by world leaders in 2015. The SDGs are aimed at transforming the world by eradicating poverty and moving toward sustainable development. Nuclear power is directly linked to three of these goals:



- Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all;
- Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation;
- Goal 13: Take urgent action to combat climate change and its impacts.

The safe, secure, and sustainable management of spent fuel arising from nuclear power reactors is key for the sustainable utilization of nuclear energy and covers many technological aspects including the storage, transportation, recycling and disposal of the spent fuel and the high level waste (HLW) generated from spent fuel reprocessing. The scope of the IAEA International Conference on the Management of Spent Fuel from Nuclear Power Reactors 2019 covers the management of spent fuel from nuclear power reactors from the past, present and future systems, and how the management of spent fuel can be affected by the decisions taken in the rest of the nuclear fuel cycle.

Within the Conference, the Young Generation Event (YGE) Spent Fuel Management (SFM19) challenge calls on students, graduates and young professionals to submit a paper related to a topic under Tracks 2 to 7, listed in the [“Announcement and Call for Papers”](#). Papers relating to any other topic of interest under the conference scope can also be submitted, subject to the discretion of the selection committee. This could include, but is not limited to the following:

- Shaping perceptions and public support of spent fuel and back-end management;
- Technical innovations in spent fuel management;
- Current and future challenges of spent fuel management.

Submitted papers should be innovative and original work. They could address issues such as technological considerations, safety, security, economics, public involvement, regulatory framework, knowledge management, safeguards or non-proliferation aspects of spent fuel management.

A total of **five papers will be selected** for presentation as part of a special YGE panel session at SFM19.

- All winners will receive a certificate;
- All winners will receive financial support to attend the conference, where they will participate in a one-hour panel.

## Selection procedure

The selection committee will comprise IAEA Technical Officers and will be jointly chaired by the Director of Division of Nuclear Fuel Cycle and Waste Technology and the Director of Division of Radiation, Transport and Waste Safety. All submissions will be assessed anonymously on their innovative qualities. The general timeline of the selection process is as follows:

- Deadline to submit abstract: 22 October 2018
- Notification of acceptance: 18 December 2018
- Deadline to submit full paper: 25 February 2019
- Announcement of winners: late March/early April 2019

## Terms and Conditions

Applicants should be nationals of [IAEA Member States](#), below 37 years of age at the time of submission (i.e. born on or after 23rd October 1981), and must be:

- Current students (ideally at a Graduate or PhD level); or
- Recent graduates (within two years); or
- Young Professionals (with less than 5 years' experience).

Submissions can also be made by groups, but only one individual per winning entry will receive financial support to attend the conference.

Applicant(s) may submit only one entry or be a part of only one group submission.

Submissions should be completed via [Indico](#) (as for standard conference abstract submissions), with the '**Do you wish to enter the YGE SFM19 Challenge?**' option selected.

**In addition**, a completed:

- Participation Form (Form A);
- Form for Submission of Paper (Form B), and
- Grant Application form (Form C).

must be sent as soon as possible to the relevant competent national authority (e.g., Ministry of Foreign Affairs, Permanent Mission to the IAEA), for subsequent transmission to the IAEA, before **23:59 (CET) on 22 October 2019**.

Incomplete applications will not be evaluated.

## YGE Organizers

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For more information about the SFM19 Conference, please visit the [website](#).