

17th Information Exchange Meeting on Actinide and Fission Product Partitioning and Transmutation (17IEMPT)

[Register for the event](#)

Background

Partitioning and transmutation (P&T) technology has emerged as a component in the global efforts to reduce the heat, radiotoxicity and volume of radioactive waste from nuclear energy production. Since 1990, the NEA has organised biennial Information Exchange Meetings on Actinide and Fission Product Partitioning and Transmutation (IEMPT) to provide an essential platform for experts from around the world to exchange knowledge, present advancements and collaborate on P&T science, technology and strategies.

The first IEMPT was held in Mito, Japan, in 1990, marking the beginning of a series of meetings that have played a pivotal role in advancing the science and application of P&T technologies. Since then, these meetings have been held in various international locations, in Belgium, Czechia, France, Japan, Korea, Spain, the United Kingdom and the United States.

Each IEMPT has covered key topics related to the development and implementation of P&T within advanced nuclear fuel cycles, such as fuel cycle strategies, radioactive waste management, transmutation fuels, advanced separation radiochemistry, transmutation systems of various technologies and the role of P&T in the context of future energy strategies. These meetings have also facilitated the emergence of various projects on crosscutting topics in the fields of material research, coolant technologies and fundamental data for key materials, as well as discussions on rising challenges such as the policy developments necessary to support P&T technologies and their economic implications.

Abstracts and attendance approval

All registered participants are asked to submit their abstracts, through the [registration form](#), by **15 September 2026**.

Please use the [provided abstract template](#).

The submitted abstracts will be available for download shortly after the conclusion of the conference.

Please note that additional information regarding conference access will be provided directly to the registrants' emails by Oak Ridge National Laboratory subsequent to the completion of the [registration form](#). This is done on a rolling basis, as such, it is encouraged for the registration to be completed as soon as possible.

Timelines

Abstract submission deadline	15 September 2026
Notification of approval	31 October 2026
Registration deadline	1 January 2027
Extended abstract submission deadline	1 February 2027

Organisation

Chairs

- Jeremy BUSBY, General chair (ORNL, US)
- Kristian MYHRE, Local chair (ORNL, US)

Scientific and organising committee

- Luca CAPRIOTTI (Belgian Nuclear Research Centre, SCK-CEN, Belgium)
- Gert VAN DEN EYNDE (SCK-CEN, Belgium)
- Jan UHLÍŘ (National Radiation Protection Institute, SURO, Czechia)
- Nathalie CHAUVIN (French Alternative Energies and Atomic Energy Commission, CEA, France)
- Giacomo GRASSO (Italian National Agency for New Technologies, Energy and Sustainable Economic Development, ENEA, Italy)
- Kenji NISHIHARA (Japanese Atomic Energy Agency, JAEA, Japan)

- Sung Yeol CHOI (Seoul National University, Korea)
- Francisco ALVAREZ-VELARDE (Centre for Energy, Environmental and Technological Research, CIEMAT, Spain)
- Christian EKBERG (Chalmers University, Sweden)
- Bruno MERK (University of Liverpool, United Kingdom)
- Robin TAYLOR (United Kingdom National Nuclear Laboratory, UKNNL, United Kingdom)
- Eva DAVIDSON (ORNL, United States)
- Taek K. KIM (Argonne National Laboratory, ANL, United States)
- Ken MARDSEN (Idaho National Laboratory, INL, United States)
- Patricia PAVIET (Pacific Northwest National Laboratory, PNNL, United States)
- Pavel SOUČEK (European Commission-Joint Research Centre, EC-JRC)
- Amparo GONZÁLEZ-ESPARTERO (International Atomic Energy Agency, IAEA)
- Shahab DABIRAN (NEA)

Archives

Past editions and proceedings

- [16IEMPT](#) - Boulogne-Billancourt, France - 2023
- [15IEMPT](#) - Manchester, United Kingdom - 2018
- [14IEMPT](#) - San Diego, CA, United States - 2016
- [13IEMPT](#) - Seoul, Korea - 2014
- [12IEMPT](#) - Prague, Czechia - 2012
- [11IEMPT](#) - San Francisco, CA, United States - 2010
- 10IEMPT - Mito, Japan - 2008
- [09IEMPT](#) - Nîmes, France - 2006
- [08IEMPT](#) - Las Vegas, NV, United States - 2004
- [07IEMPT](#) - Jeju, Korea - 2002
- [06IEMPT](#) - Madrid, Spain - 2000
- 05IEMPT - Mol, Belgium - 1998
- [04IEMPT](#) - Mito, Japan - 1996
- [03IEMPT](#) - Cadarache, France - 1994
- 02IEMPT - ANL, IL, United States - 1992
- 01IEMPT - Mito, Japan - 1990

When?

22 - 26 February 2027

Oak Ridge National Laboratory (ORNL), Oak Ridge, Tennessee, United States

Contact

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