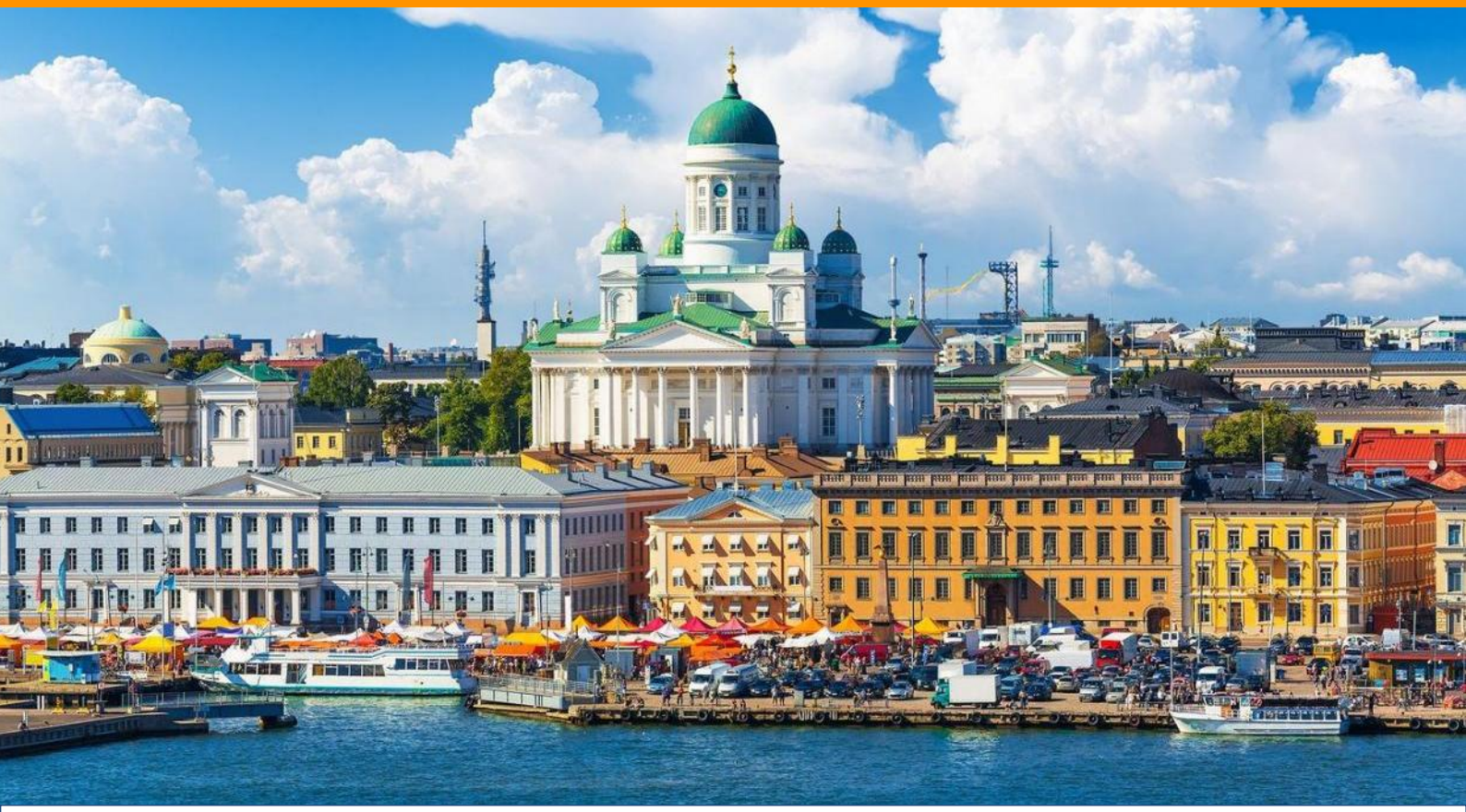
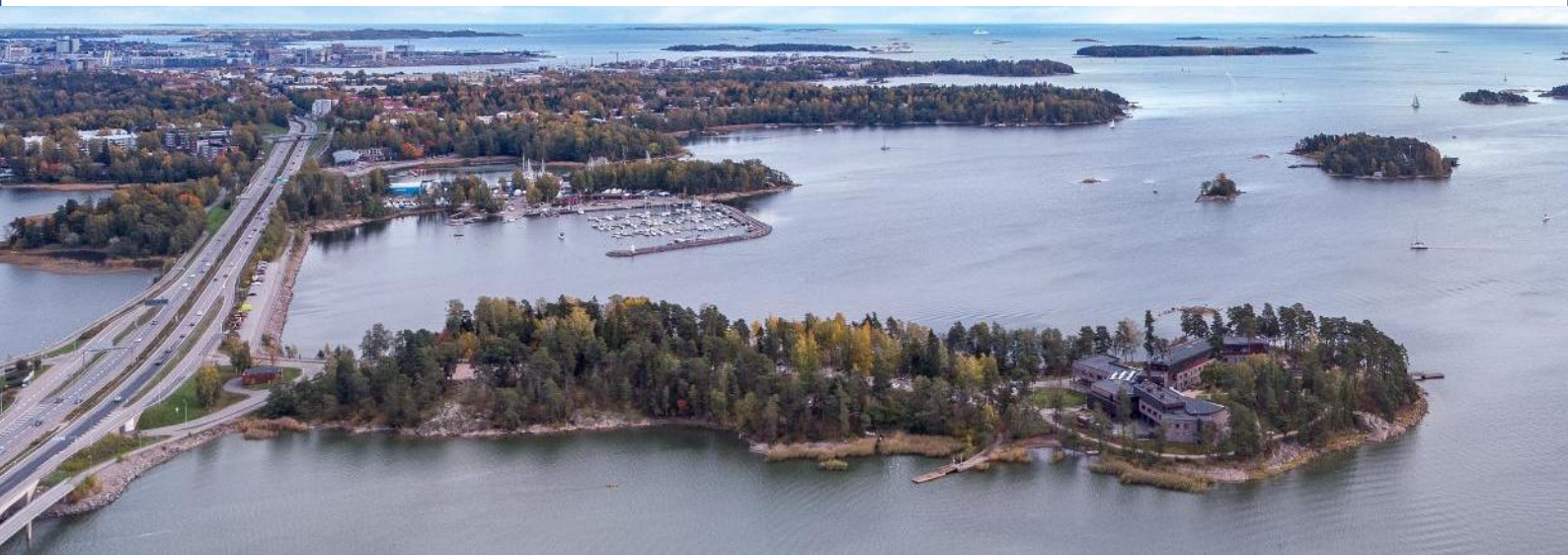
ISOE International Symposium

Helsinki, 16-17 June 2026



Programme



Supported by

ISOE International Symposium

Helsinki, 16-17 June 2026

The European Technical Centre of the Information System on Occupational Exposure (ISOE) is pleased to organize, in collaboration with and the support of Fortum, Teollisuuden Voima Oyj (TVO) and the Radiation and Nuclear Safety Authority (SUK), the 2026 ISOE International Symposium on Occupational Exposure Management at Nuclear Facilities.

The Symposium will be held in Helsinki, Finland, from the 16th to the 17th of June 2026. It is co-sponsored by the OECD Nuclear Energy Agency (NEA) and the International Atomic Energy Agency (IAEA).

The Symposium is targeted at all those concerned with radiological protection at nuclear power plants: radiation protection managers and staff members, maintenance and operation planners, contractors, exposed workers, regulatory body representatives and international organisations. It is also opened to research reactors and professionals from other nuclear fuel cycle installations sharing common radiological protection issues.

Dealing with occupational radiation protection at the design, operation and decommissioning stages of installations, as well as accident situations, this new meeting point of radiation protection professionals under the heading of ISOE will be a great opportunity to share, at the international level, experiences and practices favouring a continuous improvement of radiation protection.

Furthermore, the accompanying Technical Exhibition will give participants the opportunity to see the latest developments from industrial and commercial companies active in fields of radiation protection.

Prior to the Symposium, on Monday 14 June 2026, two meetings devoted to specific audiences have been organised:

- A Radiation Protection Managers meeting
- A Regulatory Body Representatives meeting

We are looking forward to welcoming you in Helsinki,

Caroline SCHIEBER
Head of ISOE-ETC
On behalf of the Programme Committee

ISOE International Symposium

Helsinki, 16-17 June 2026

Programme Committee Members

Lucie D'ASCENZO	ISOE ETC, CEPN – France
Laure-Anne BELTRAMI	ISOE ETC, CEPN – France
Eemeli HÄRMÄLÄ	Olkiluoto NPP – Finland
Johannes ISOKIVELÄ	Forsmark NPP – Sweden
Timo KONTIO	Loviisa NPP – Finland
Jizeng MA	IAEA
Hans MEIJER	Borssele NPP – Netherlands
David MILLER	ISOE NATC, University of Illinois – United States
Guy RENN	Sizewell B NPP – United Kingdom
Veli RIIHILUOMA	STUK – Finland
Caroline SCHIEBER	ISOE ETC, CEPN – France
Thorsten STAHL	GRS – Germany
Hidenori YONEHARA	ISOE ATC, NSRA – Japan
Mitsuaki YOSHIDA	ISOE ATC, NSRA – Japan

Conference Language

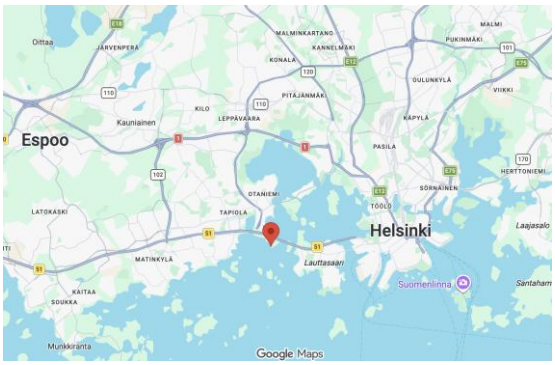
The conference language will be English.

Symposium Venue

The Symposium will take place at:

HANAHOLMEN - Swedish-Finnish Cultural Centre
Hanasaarenranta 5
02100 Espoo (Finland)
Website: https://hanaholmen.fi/en

Hanaholmen is located in Espoo, just outside Helsinki, on a small peninsula.



ISOE International Symposium

Helsinki, 16-17 June 2026

Dedicated Meetings – Monday 15 June 2026

The ISOE Symposium will be preceded by two dedicated meetings devoted to specific audience.

If you wish to participate to one of those meetings, please contact the relevant person as indicated below for registration.

The registration to these meetings is free of cost.

Radiation Protection Managers Meeting	
09:00 - 17:00	Location: Hanaholmen (Hanasaarenranta 5, 02100 Espoo) Room: Skiftnyckel *Contact-person:* **Timo KONTIO**, Loviisa NPP – timo.kontio@fortum.com

Regulatory Body Representatives Meeting	
09:00 - 17:00	Location: STUK (Jokiniemenkuja 1, 01370 Vantaa) Main entrance on Jokiniemenkatu 28. How to reach STUK: https://stuk.fi/en/how-to-reach-us *Contact-person:* **Veli RIIHILUOMA**, STUK – veli.riihiluoma@stuk.fi

ISOE International Symposium

Helsinki, 16-17 June 2026

PROGRAMME

Tuesday 16 June 2026

08:30 - 09:00	*Registration*

09:00 - 09:30	Opening Ceremony (ETC, Fortum, TVO, STUK)

Session 1. Chairpersons	**International Recommendations and Guidelines** Caroline Schieber (ISOE ETC – CEPN, France), Veli Riihiluoma (STUK, Finland)
09:30 - 10:00	ICRP Review and Revision of the System of Radiological Protection: Where do we Stand? *Thierry Schneider (CEPN, France)*
10:00 - 10:20	The IAEA Safety Report on Health Surveillance of Workers Exposed to Ionizing Radiation *Jizeng Ma (IAEA)*
10:20 - 10:40	Enhancing Emergency Preparedness for Small Modular Reactors: A Graded Approach *Mike Webley (OECD/NEA)*

10:40 - 11:20	*Coffee-break, Visit of Exhibition, Posters*

Session 2. Chairpersons	**RP Management** Hans Meijer (Borssele NPP, Netherlands), Jizeng Ma (IAEA)
11:20 - 11:40	Digital Radiological Passbook Application Experience *Daniel Navarro Hernández (CSN, Spain)*
11:40 - 12:00	Enhancing the RP Workforce: by Incorporating International Training Standards, defining Junior Surveyor Pathways, and professionalizing the Decontamination Role *Franz Pedersen-Dambo (NUVIA Group, Canada)*
12:00 - 12:20	Demonstration of Radiological Digital Twin for Radiation Protection Operations and Personal Dosimetry *Borja Bravo, D. Campbell, J. Cady (EPRI, Ireland)*

12:20 - 14:00	*Lunch Break*

ISOE International Symposium

Helsinki, 16-17 June 2026

Session 3. Chairpersons	**RP at Design Stage of NPPs - 1** Mike Webley (OECD/NEA), Laure-Anne Boffa-Beltrami (ISOE ETC – CEPN, France)
14:00 - 14:20	Collection and Integration of Lessons Learned / Operating Experience from EPR Design Phases and First Operating Cycles *Sébastien Poirrier (EDVANCE, France)*
14:20 - 14:40	Optimisation of EPR2 Source Term at Design: Capitalisation of EPRs Cycles 1 & 2 Operating *Matthieu Longeot (EDVANCE, France)*

14:40 – 15:10	Synthesis of RPM Meeting and RB Meeting

15:10 - 15:50	*Coffee-break, Visit of Exhibition, Posters*

Session 4. Chairpersons	**Decommissioning and Waste Management** René Hoffmeister (Leibstadt NPP, Switzerland), Margaux Surgis (ASN, France)
15:50 - 16:10	Feedback from the 18th Meeting of the ISOE Working Group on Radiological Protection Aspects of Decommissioning Activities at Nuclear Power Plants (WGDECOM) *Laure-Anne Boffa-Beltrami (CEPN, France), Benjamin Boussetta (EDF, France)*
16:10 - 16:30	TEPCO Fukushima Daiichi Nuclear Power Station: Status in 2025 and ALARA Measures *Toshikazu Suzuki (TEPCO, Japan)*

19:00	**SYMPOSIUM DINNER AT HANAHOLMEN**

ISOE International Symposium

Helsinki, 16-17 June 2026

Wednesday 17 June 2026

Session 5. Chairpersons	**Source-Term Management** Timo Kontio (Loviisa NPP, Finland), Elena Pintado Alcoba (CSN, Spain)
09:00 - 09:20	Effective RP and Chemistry Partnerships to Achieve Excellence in Operations & Plant Reliability *Bert Engstrom (Palo Verde NPP, USA)*
09:20 - 09:40	Overview of the Surface Contamination Measured through the EMECC Device into Primary and Auxiliary Circuits of the Pressurized Water Reactors (PWRs) Fleet in France *Thomas Jobert (EDF/DT, France)*
09:40 - 10:00	Nuclide Specific Measurements of Loops and Actions Taken Concerning Source Term Management at Loviisa NPP *Miska Hirvelä (Loviisa NPP, Finland)*
10:00 - 10:20	Ultrasonic Cleaning, a Promising Technology for Reducing Dosimetry *Rémi Bourdeloie, Edgar Moleiro (EDF/UNIE-GPEX, France)*
10:20 - 10:40	Source Term After Chemical Decontamination and Design Modification René Hoffmeister (Leibstadt NPP, Switzerland) *Distinguished paper from 2025 International ISOE symposium*

10:40 - 11:20	*Coffee-break, Visit of Exhibition, Posters*

Session 6. Chairpersons	**RP at Design Stage on NPPs – 2** Thomas Jobert (EDF, France), Toshikazu Suzuki (TEPCO, Japan)
11:20 - 11:40	CANDU MONARK™ Design Features Minimizing Collective Occupational Dose to ALARA *Serge Julien, N. Southam, J. Davidson (Candu Energy Inc., Canada)*
11:40 - 12:00	Standard Radiation Protection Design Sequence for New Nuclear Power Plants *Sébastien Poirrier (EDVANCE, France), Sonia Mallozzi (Framatome GmbH, Germany)*

12:00 - 14:00	*Lunch Break*

ISOE International Symposium

Helsinki, 16-17 June 2026

Session 7. Chairpersons	**Job Experiences** Johannes Isokivelä (Forsmark NPP, Sweden), Patrick Arends (ANVS, Netherlands)
14:00 - 14:20	Olkiluoto 3 – Insights to the First Two Outages of OL3 *Kalle Kari (Olkiluoto 3 NPP, Finland)*
14:20 - 14:40	Steam Generator Collector Work Contamination Management at Loviisa NPP *Sampo Ylisirnio (Loviisa NPP, Finland)*
14:40 - 15:00	Mitigation Solutions for Stress Corrosion Cracking Intervention *Julien Routtier (EDF DIPDE, France)*
15:00 - 15:20	Online Neutron Spectrum Measurement and Personal Dose Assessment inside the Reactor Based on a Single-Sphere Neutron Spectrometer *Bowen Sun, Zhihui Tang, Liye Liu, Zhen Wang (China Institute for Radiation Protection; Shanxi Key Laboratory for Radiation Safety and Protection; CNNC Key Laboratory for Radiation Protection Technology; Tsinghua University, China)*

15:20 – 16:00	*Coffee-break, Visit of Exhibition, Posters*

Session 8.	**RP Events** Eemeli Härmälä (Olkiluoto NPP, Finland), Vaughan Rees (ONR, United Kingdom)
16:00 - 16:20	Olkiluoto 3 – Unplanned Exposure to High Dose Rate during Crane Load Testing *Henri Jutila (Olkiluoto 3 NPP, Finland)*
16:20 - 16:40	Estimation of the Radiation Doses to Workers Caused by the Rupture of a Slightly Cooled Fuel in the Open Reactor Core *Pasi Karvonen (Loviisa NPP, Finland)*
16:40 - 17:00	Unexpected Skin Exposure at Decontamination Job *Janne Savolainen (Loviisa NPP, Finland)*
17:00 - 17:20	Overview of Evolution of Contamination Management at Loviisa NPP – Evolution of Trends and Actions taken to Reduce Contamination Events *Einari Mattila (Loviisa NPP, Finland)*

17:20 - 17:40	Distinguished Papers and Closure of the Symposium

ISOE International Symposium

Helsinki, 16-17 June 2026

Thursday 18 June 2026

TECHNICAL VISIT

A technical visit to the **Olkiluoto NPP** is organised (full day).

Please note that Olkiluoto NPP is about 3h30 by bus from Helsinki.

The bus departures and arrivals will be announced later on the ISOE Network website and to the registered participants. The participation is subject to availability as the visit is restricted to a limited number of persons.

How to get to Hanaholmen Centre?

The Symposium will take place in Espoo, just outside Helsinki, on a small peninsula.

Public transportation:
- The walking distance from the nearest metro station "Koivusaari" is approximately 1.1 km.
- The bus stop along the Westway is circa 400 metres from Hanaholmen.

Public transport website: https://www.hsl.fi/en

Taxi:
- The taxi journey from the city centre of Helsinki to Hanaholmen will take approximately 10 minutes; from the airport it takes approximately 40 minutes.

- Please note that there is a risk of confusion, since there is a power station in East Helsinki called Hanaholmen, so be sure to ask the driver to take you to Hanaholmen Cultural Centre in Espoo.

Registration to the Symposium

	Registration Fees	Online Registration
Participant	400 € (VAT Reverse charge)	Registration form
Commercial Booth	1400 € (VAT Reverse charge)	Booth Registration form

Payment of the fees must be done after online registration and receipt of the invoice.

Visit ISOE website: **www.isoe-network.net** for more information