



WORLD NUCLEAR TRANSPORT CONFERENCE 2025

25TH - 26TH NOVEMBER 2025, LONDON, UK

PRELIMINARY PROGRAMME



NAVIGATING THE FUTURE

POWERED BY NUCLEAR, DELIVERED BY TRANSPORT

ORGANISED BY



world nuclear
transport institute

Tuesday 25th November 2025

0800 - 0900 **DELEGATE REGISTRATION - OPEN**

0900 - 0925 **Welcome and Opening Remarks**

0925 - 1040 **PLENARY SESSION: New Technologies & Applications**

Chair's Introduction

Jamie Fairchild, OECD NEA, France.

'New nuclear technologies - Fuel cycle impacts and considerations for transport'

Eileen Supko, WNTI, USA.

'Transport packaging for LEU + and HALEU fuels'

Sean Perry, NTS, UK.

'Advancing the UK's HALEU transport infrastructure - A collaborative path to nuclear energy security'

Q & A

1040 - 1100 **MORNING COFFEE BREAK**

1100 - 1235 **PLENARY SESSION: New Technologies & Applications - Part 2**

Aleksey Rezvoi, NuCon, USA.

'Advancing light water SMR for maritime propulsion or offshore floating objects'

Scott Edwards, Core Power, UK.

'Nuclear security considerations for floating nuclear applications'

Bruno Merk, University of Liverpool, UK.

'The new challenges created for nuclear transport by micro reactors'

Seon-Gon Kim, Chungang University, South Korea.

'Safety assessment and performance evaluation of SFR - Based marine nuclear propulsion systems using AMESIM code'

Q & A

1235- 1330 **LUNCH BREAK AND NETWORKING**

1330 - 1445 **PANEL SESSION: Future of Transport Standards & Regulation**

Leaders from international organisations and standard setting bodies explore how regulation underpinning the transport of nuclear and radioactive material is evolving to enable the growing use of nuclear and radioactive materials alongside innovation while safeguarding people and the environment. The panel will cover upcoming changes

to transport and maritime requirements, ongoing work on frameworks for SMRs and transportable/floatable plants, revisions to the system of radiological protection and cross-border law. Panel speakers include:

- **Hieldegarde Vandenhove**, Director Division of Radiation, Transport and Waste Safety, IAEA, Austria.
- **Bob Officer**, Unit Head - Transport Security, IAEA, Austria.
- **ICRP** (Speaker to be confirmed)
- **IMO** (Speaker to be confirmed)
- **OECD-NEA** (Speaker to be confirmed)

1445 - 1505 AFTERNOON COFFEE BREAK

1505 - 1630 Future of Transport Standards & Regulation – Part 2 PANEL SESSION: Regulating Future Nuclear Applications

Legal experts and industry advisors from across the globe will examine how current international transport regimes must evolve to enable next-generation nuclear projects including SMRs, AMRs and FNPPs. The discussion will address Nuclear and Maritime Legal Frameworks, Financing, Liabilities, and Environmental & Planning considerations - highlighting gaps, practical pathways, and near-term actions to make projects financeable, compliant, and deliverable. Panel members include:

- **Denise Cheong**, National University of Singapore, Singapore
- **Paul Butcher**, Herbert Smith Freehills Kramer, UK.
- **Caroline Jorant**, Nuclear -21, Netherlands.
- **James Turner**, White & Case LLP, France.
- **Catherine Howard**, Herbert Smith Freehills Kramer, UK.
- **David Davenport-Jones**, American Bureau of Shipping, UK.

1630 - 1645 Wrap Up – Conference Day 1

1700 - 1900 DRINKS RECEPTION AND NETWORKING

Wednesday 26th November 2025

0800-0845 COFFEE AND NETWORKING

0845 - 0850 Welcome to Conference Day 2

0850- 1040 PLENARY SESSION: Sustainability

Chair's Introduction

Jim Hondros, JRHC Enterprises, Australia.

'Yellow sticky tabs, handwritten notes and a broken spine - A NORM practitioner's perspective on the IAEA transport regulations'

Christoph Gastl, IAEA, Austria.

'Ensuring transportability of spent nuclear fuel - Insights from IAEA research and international collaboration'

Sara Ulrich, PA Consulting, UK.

'The need for an always-on resilience in nuclear transport'

Alex Hartley, NTS, UK.

'Application of aerosol physics to transport packaging containment'

Chris Hannon-Gwyer, Energy Solutions, USA.

'Backend nuclear - From liability to enabler for space exploration and medical treatment'

Q & A

1040 - 1100 MORNING COFFEE BREAK

1100 - 1230 PANEL SESSION: Skills

From the UK's Destination Nuclear campaign to the World Maritime University, plus fresh voices from recent graduates and industry, this panel gets real about the skills pipeline for safe, scalable nuclear and radioactive material transport. Expect fast, actionable ideas on attracting talent, building maritime and nuclear competencies, and creating workplaces where people want to join and stay. Panellists include:

- **Prof. Raphael Baumler**, WMU, Sweden.
- **Lynne Matthews**, Destination Nuclear, UK.
- **Laura Bailey**, UKAEA, UK.
- **Ellie Vallance**, NTS, UK.

1230 - 1330 LUNCH BREAK AND NETWORKING

1330 - 1445 PLENARY SESSION: Making It Happen

Chair's Introduction

Elfriede Derrer-Merk, University of Liverpool, UK.

'From uncertainty to anxiety - A psychological perspective of nuclear risk perception, communication and public relationships'

Alastair Brown, NTS, UK.

'Practical steps to address denials and delays'

Q & A

PANEL SESSION: Nuclear Liabilities

Legal and insurance experts cut through the cross-border knots - overlapping jurisdictions, convention interfaces, multimodal carriage, and coverage capacity - in transporting nuclear and radioactive materials. They'll chart what must evolve for new nuclear (SMRs, floating/transportable plants, advanced fuels. Panel members include:

- **Ana Gonzalez Felgueroso**, ARN, Spain.
- **Ximena Vasquez - Maignan**, White & Case LLP, France.
- **Anna Schmidder-Ricchiuto**, DKVG, South Africa.

1445 - 1505 AFTERNOON COFFEE BREAK

1505 - 1630 PLENARY SESSION: Making it happen – Part 2

Ludovico De Giulio, (Independent Researcher), Switzerland.

'Modernising radioactive materials transport - Compliance, safety, and efficiency through Blockchain'

Cameron Jefferies, South Australia Medical Imaging, Australia.

'The impact of radioactive material transport on medical radiopharmaceuticals and emerging diagnostic and therapy treatments'

Steven Shi, Orano NPS, China.

'Civil nuclear power development in China and how it is supported by radioactive material transport'

Jonathan Pyke, ONR, UK.

'Human factors assessment within the UK radioactive materials transport'

Q & A

1630 - 1645 Conference Wrap Up