

RAMTrans Conference– 15- 17th May 2024

Tuesday 14th May

We know that a small number of delegates will be arriving early on the 14th and although we don't have a formal event planned the committee would be delighted to meet you in the bar of the Pullman Hotel from around 18:00 for an informal welcome.

Wednesday 15th May

Time	Session and speaker
0800	Registration opens, tea, coffee and networking
0900	Welcome and House Keeping Sean Duvall, NTS
0910 20 mins	Keynote Speaker- Seth Kybird, NTS Without transport there is no nuclear
0930	Session 1 - Package Engineering Chair - Sean Duvall, NTS Co-Chair – Rhianne Boag, NTS
0935	Andrew Fowler , Eadon Consulting Ltd. Development of a Nuclear Waste Container to Minimise Whole Lifecycle Costs and Improve Operational Efficiencies
0950	Sundip Shah , Arup Impact performance sensitivity studies on the Robust Shielded (RS) Box Transport Container – Secondary impacts and the effects of ageing – and Methodology for calculation of impact release fraction for RS packages containing unencapsulated waste.
1005	Franz Kattner , Gesellschaft fuer Nuklear-Service mbH CASTOR® geo Casks Worldwide - Licensing and Experimental Experiences
1015 30mins	BREAK
1045	Session 2 - Regulation and Institutional issues Chair - Martin Neumann, BAM Co-Chair - Frederic Ledroit, IRSN
1050	Alastair Brown , NTS Rising to the Challenges of Denials and Delays.

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1105	Misaki Horiguchi , Kyoto University Regulations of Fukushima Daiichi Nuclear Power Plant accident.
1120	Rajesh Garg , Canadian Nuclear Safety Commission Transport of Radioactive Materials in Canada in 2021 and 2022.
1135	Stavroula Vogiatzi (Pre-recorded), Greek Atomic Energy Commission (EEAE) Necessity of Joint Inspection in Transport of Radioactive Materials.
1150 70mins	LUNCH
1300	Session 3 – Operations Chair - Joel Kruehler, Urenco Co-Chair - Trevor Tait, Croft
1305	James Trott , NWS Preventing Spiraling Costs in Maintaining an Ageing Asset Base - Lessons Learnt from LLWR.
1320	Pengyi Wang , IAEA Advancing Global Safety in Radioactive Material Transport: IAEA's Integrated Approach to Training, Compliance, and Shipment Facilitation
1335	Steven Capner , newcleo New Nuclear: Approach to Transport of Lead Fast Reactor MOX Fuel.
1350	Professor Malcolm Joyce , CoRWM and Lancaster University Priorities concerning the management of radioactive waste from future, small nuclear fission power reactors.
1405 25mins	BREAK
1430	Poster Session
	Dr Annette Rolle Investigations of Aged Metal Seals for Transport Package Safety Assessment Thomas Quercetti Enhancement of the BAM Fire Test Stand for Testing a Large Transport Package for Radioactive Materials Mike Weber How to Consider Imperfectly Mounted Reinforcement Cages in a Cylindrical Concrete Container During Mechanical Specimen Tests Dr Steffen Komann

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	<p>Ageing management measures of transport packages for radioactive materials Andrew Gray Transport and Logistics Consultancy – complex challenges to support operational excellence Dave Rossiter Delivering strategic nuclear waste transport programmes Dr Frederik Kesting Comparative overview of the properties of large surface contaminated objects transported in Germany since 2007 and corresponding approval procedures Tom Rowlands Summary of the update to the Transport Container Standardisation Committee (TCSC) Code of Practice (CoP) TCSC0031 on the Design of Bolted Joints for Radioactive Material (RAM) Transport applications. Rhianne Boag Nuclear Transport Solutions – Our Experience of Designing and Re-Purposing Nuclear Transport Packages Wang Zhipeng Emma Tallantire Creating a combination package to dispose of radioactive and chemicals wastes from the Sellafield site Jérôme Thomas Packages for radioactive waste transportation</p>
1555	<p>Session 4 - Content specific Chair – Craig Williams, NTS Co-Chair - Thomas Quecetti, BAM</p>
	<p>Jeff England, NAC International OPTIMUS-L Certified by NRC for HALEU</p>
1600	<p>Jimmy Toliuszis, NAC International Enhancing the OPTIMUS Packaging System for High-Activity Radioactive Source Transportation.</p>
1615	<p>Julia Hill, BAUER Maschinen GmbH Introduction of latest technique for the Construction of temporary (or ultimate) disposal space of radioactive material underground by new diaphragm wall technique. Also offering underground space to SMR/ MMR (cluster) power plants.</p>
1645	<p>Day 1 Conference Close</p>

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Thursday 16th May

Time	Session and speaker
0800	Registration opens, tea, coffee and networking
0900 20 mins	Keynote Speaker- Tim Tinsley, NNL Reach for the Stars
0920	Session 5 - Other Chair - Jen Nugent, NTS Co-Chair - Martin Neumann, BAM
0925	Dr. Fabrice Fleurot, NTS Meteor: A CAD-compatible nuclear criticality code.
0940	Beverley Stothart, NTS NWS & NTS Collaboration
0955	Florent Ledrappier, TECHNETICS Improvement of metallic seals ageing behavior based on surface texturing - HELICOFLEX® TEXEAL®.
1010	Nick Fuller, Northern Engineering Sheffield Ltd. Elastomer Compounds for Use in RAM Transport Flasks – Compound Test Program
1025 30mins	BREAK
1055	Session 6- Package Engineering Chair - Rhianne Boag, NTS Co-Chair - Lars Muller, BAM
1100	Sundip Shah, Arup Modelling, Analysis and Evaluation of unshielded and shielded low heat generating waste packages.
1115	Robbie Britton, Croft Associates Ltd. Validation of impact performance for the croft safkeg® through analyses and testing.
1130	Jason Biddlecombe, Frazer-Nash Consultancy Ltd. Development of a reliable modelling capability for assessing the impact performance of reinforced concrete boxes.
1145	Gael Henriot, ROBATEL Industries

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	The R85 Type B Cask: the new ROBATEL Industries design for cluster guides transportation from EDF's NPPs
1200 90mins	LUNCH
1330	Keynote Speaker- Pete Buchan, WNTI Keeping Nuclear Moving
1350	Session 7 - Regulation and Institutional issues Chair - Frederic Ledroit, IRSN Co-Chair - Elisa Penda, WNTI
1355	Alessandro Orsini , National inspectorate for nuclear safety and radiation protection (Prerecorded) ISIN dose assessment to members of the public arising from transport of radiopharmaceuticals to Rome's Hospitals.
1410	Dr. Martin Neumann , BAM Transport of HLW canisters on sea vessels – boundary conditions and requirements from the German competent authority.
1425	Paul Butler , ONR What makes a 'suitable and sufficient' transport Radiation Risk Assessment from a regulator's perspective.
1440 30mins	BREAK
1510	Session 8 - Package Engineering Chair - Peter Bates, Rolls- Royce Submarines Co-Chair - Franz Kattner, GNS
1515	Sundip Shah , Arup Developments in the holistic impact methodology for the prediction of impact release fraction for waste packages with encapsulated wastefoms and investigation of the effect of ageing on the compressive strength and break-up characteristic of grout encapsulants and simulant wastefoms
1530	Gordon Turner , NWS The benefit of aerosol mechanisms to demonstrate the performance of the lid seal for transport of radioactive waste.
1545	Dr. Shawn Toh , NTS Considering aerosol processes in nuclear transport package containment safety cases.
1600	Craig Williams , NTS An Overview of Dose Rate Assessments to Support Nuclear Vessel Licensing.

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1615	Sam Robinson , Frazer-Nash Consulting Ltd. Bridging the Gap: Aligning Nuclear Waste Transport Package Design to Contemporary BS and ISO Standards.
1630	Joanne Lane , NTS A Forward Look - The Application of Current Transport Approaches to the Future of Nuclear
1645	Day 2 Conference Close
	Dinner at the Science Museum
1845	Drinks reception
1915	Seated for Dinner STARTER Quail, Mandarin, Cherry Barbecued quail, confit leg, bulgur wheat, pumpkin seed, mandarin, sour cherry, kohlrabi Vegetarian Beetroot, Fennel, Rhubarb Beetroot carpaccio, soused fennel, vegan feta, pumpkin seed praline, rhubarb ketchup (vg) MAIN Duck, Apricot, Potato Togarashi-spiced breast of Merryfield duck, soy caramel-glazed meatball, carrot and ginger Cream, grilled apricot tart, chive-creamed potato Vegetarian Cauliflower, Harissa, Raisin Harissa roasted cauliflower, sweet potato fritter, pickled golden raisin, cashew cream, sumac labneh, black garlic emulsion (vg) DESSERT Coconut, Pineapple, Chocolate
2300	Carriages Home

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Friday 17th May

Time	Session and speaker
0830	Registration opens, tea, coffee and networking
0900	Keynote Speaker- Chris Jones, ONR "It's good to talk" – communication and co-operation within the transport chain.
0920	Session 9 – Other Chair - Sean Perry Co-Chair - Steffen Komann, BAM
0925	Phil Edge , NDA NDA Transport Strategy.
0940	Melissa Collier , Science and Technology Facilities Council Neutron Target Transport.
0955	Jennifer Nugent , NTS NTS: A Centralised Approach to Design Authority for One-NDA.
1010	Tanzila Nurjahan , Technische Universität Dresden Investigation of Moisture Content in Concrete during Decommissioning of Nuclear Facilities by Electrical Impedance Spectroscopy.
1025 20mins	BREAK
1045	Session 10 - Package Engineering Chair - Trevor Tait, Croft Co-Chair - Rhianne Boag, NTS
1050	Markos Yiassoumis , Croft Associates Ltd. Analysis of a Novel Screw Ring Closure Mechanism for a Type B(U)F Transport Package.
1105	Daniel Meir , Sellafield Ltd. Transport Package Repurposing - The complexity of curveballs.
1120	Ameen Azzabi , Sellafield Ltd. The Reuse of Transport Packages for on-site Transfers.
1135	Adam Leever , NTS

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	The Development of a Versatile Type B(U)F Transport Package to Support the Front-End Fuel Cycle of Gen-IV Reactors.
1150	Closing Remarks Trevor Tait, Croft
1200	CLOSE