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Event Conference Programme

15 May 2018

The conference will commence at 18:00 – 19:30 with a drinks reception kindly hosted by ARUP at the headquarter office on 08 Fitzroy Street, London W1T 4BQ

16 May 2018 – Day One

Delegate registration will open from 08:15am

09:00 **Welcome by the Conference Chair** **Chi-Fung Tso, ARUP**

Session One	Regulatory Interest	Session chairs	Anindya Sen, ONR Marianne Moutarde, IRSN
09:10	Recent Developments in Standards and IAEA Guidance Material for Package Load Attachment Points	Frank Wille	BAM Federal Institute for Materials Research & Testing
09:25	Public information in France concerning the transport of radioactive materials	Benoit Eckert	IRSN (Institut de Radioprotection et de Sûreté Nucléaire)
09:40	How to Handle the Conflict between Safety and Security	Anna Wikmark	SKB (Swedish Nuclear Fuel and Waste Management Co)
09:55	Improving Documentation of the Technical Basis of the Regulations	Ingo Reiche	Federal Office for the Safety of Nuclear Waste Management (BfE)
10:10	Providing assurance of compliant and safe transports: pre-transport reviews of nuclear transport safety and regulatory obligations	Jarod Bowden	International Nuclear Services
10.25	Questions and discussion		

10.35 – 11:05 Refreshment break in the Exhibition room (Florence Hall)

Session Two	Disposal and storage of Radioactive Materials (1)	Session chairs	Neil Carr, Radioactive Waste Management Anna Wilmark, SKB
11:05	Engineering Design of the Geological Disposal Facility for the UK	Steven Majhu	WSP
11:20	Larger waste containers for the packaging of UK ILW: development of conceptual designs and potential applications	Marc Rigby	Radioactive Waste Management
11:35	Studies on the long-term integrity of the canister for the dry storage of Spent Nuclear Fuel	Masumi Wataru	Central Research Institute of Electric Power Industry (CRIEPI)
11:50	Finite element simulation of the crush of package components made of encapsulated wood	Martin Neumann	BAM Federal Institute for Materials Research & Testing
12:05	Questions		

12:15 Dedicated poster presentation viewing in the Jarvis Foyer

12:45- 13:30 Lunch in the Exhibition (Florence Hall)

Session Three	Contents - Challenging Issues	Session chairs	Marc Flyn, TAM International Iain Phimister, Radioactive Waste Management
13:30	New Regulations to Ship Large Objects as Surface Contaminated Objects	Jeff Ramsay	Canadian Nuclear Safety Commission
13:45	Successful application and development of a burn-up credit methodology for use in a UK transport criticality assessment	James Lam	Rolls-Royce
14:00	Transportation System for Hanford Immobilized Low-Activity Waste	Allan Tedeschi Martin Wheeler	Washington River Protection Solutions (WRPS) Atkins US Nuclear
14:15	How the management of higher activity wastes are influenced by transport requirements and a case for change: Type W?	Ciara Walsh	Sellafield Ltd
14:30	Questions		

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14.40 – 15:10 Refreshment break

Session Four	Package Engineering and Testing (1)	Session chair	Sean Duvall, INS Robert Mason, Wood
15:10	Basket Transportation Package Concept's Pool Fire Assessment using Computational Fluid Dynamics	Alex Bond	MMI Engineering
15:25	Evaluation of the package safety level taking into account the thermal degradation of their materials in case of fire exposure	Benoit Eckert	IRSN (Institut de Radioprotection et de Sûreté Nucléaire)
15:40	The effectiveness of a transport package to withstand accident conditions of transport through the provision of International Paints Chartek 7 Intumescent Coating	Trevor Tait	Croft Associates Ltd
16:00	Thermal analysis of the DN30 PSP during accident conditions of transport	Florian Schoener	Daher Nuclear Technologies GmbH
16:15	Questions		

16.15 Poster presentations and the exhibition room will be open until 17:00

Banquet

A drinks reception will commence from 18:30, the evening will conclude at 22:30.

This year the banquet dinner is being held at **Christ Church Spitalfields**.



Situated in the heart of London's vibrant East End this unique venue features Hawkmoor's magnificently restored Baroque masterpiece, it is a memorable setting for the 11th conference banquet.

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17 May 2018 – Day Two

The conference will be open from 08:30am

09:00 **Welcome by the Conference Chair** **Chi-Fung Tso, ARUP**

Session Five	Package Engineering and Testing (1)	Session chairs	Frank Wille, BAM Conrad Izatt, ARUP
09:10	Type B packaging manufacturing learning from experience	Alan Jackson	LLW Repository Ltd
09:25	Substantiation and Licencing of a Radioactive Material Transportation Package by Finite Element Analysis	David Rice	Rolls-Royce
09:40	GNS SBoX® - A New Family of Robust, Self-Shielded Containers	Joerg Viermann	GNS
09:55	Impact analyses of the Safkeg 4085A	Chi-Fung Tso	ARUP
10:10	Questions		

10.20 – 11:05 Refreshment break

Session Six	Disposal and storage of Radioactive Materials (2)	Session chairs	Edmund Morgan Warren, Independent, Masumi Wataru, CRIEPI
11:05	Linking Dry Storage and Transportation of Used Nuclear Fuel after Extended Storage	Vanessa Vo Van	ORANO
11:20	Qualification methods for loaded containers according to the acceptance criteria Konrad	Joerg Melzer	KTE
11:35	Shielded Box (SB) and Interim Storage Facility (ISF)	John Slater	Sellafield Ltd
11:50	RWM's Application for a Competent Authority-Approved Fissile Exception	Sarah Bryson	Radioactive Waste Management
12:05	Questions		

12:15 Final poster presentation viewing in the Jarvis Foyer

12:45 – 13:30 Lunch in the Exhibition (Florence Hall)

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Session Seven	Package Engineering and Testing (2)	Session chairs	Anna Presta, WNTI Mark Johnson, Croft Associates
13:30	Developing a new cost effective DOT 7A Type A liquid packaging acceptable for air transport	Jeff England	NAC International
13:45	First use of Type B sealed radioactive sources approval - a novel approach to shielding assessment	Ceinion Thomas	International Nuclear Services
14:00	Component and Material Investigations on Metal Seals for High Level Radioactive Waste Containers	Tobias Grelle	BAM Federal Institute for Materials Research & Testing
14:15	Approach for determining the length of the bar in compliance with the IAEA 1m puncture test	Robert Scheidemann Mike Weber	BAM Federal Institute for Materials Research & Testing
14:30	Questions		

14:45 – 15:20 Refreshment break in Exhibition room (Florence Hall)

Session Eight	Contents – Criticality, UF6 & Challenging Issues	Session chairs	Richard James, EDF Energy Ingo Reiche, BfE
15:20	Assessment of safety demonstrations relative to packages containing UF6	Marika Debruyne	IRSN (Institut de Radioprotection et de Sûreté Nucléaire)
15:35	Technology to future proof railway capability for the nuclear industry	Chris Connelly	Direct Rail Services Ltd
15:50	WNTI Standard for Uniquely Identifying UF6 cylinders: Harmonising the World of UF6 Transports.	Trevor Dixon	World Nuclear Transport Institute (WNTI)
16:05	Effects of pressure, temperature and water vapor on the flammability limits of H2 based mixtures relevant to nuclear transport conditions	Nabiha Chaumeix	CEA
16:20	Assessment Experience on Packages loaded with damaged Spent Nuclear Fuel for Transport after Storage	Lars Mueller	BAM Federal Institute for Materials Research & Testing
16:35	Questions		

16:45 Closing reflections from the Chair

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