

Day 1 - Wednesday 25 September 2024

Time	Session	Speaker(s)
09:30	Registration	
10:00	Welcome, Introduction and Aims for this year's Risk & Safety Forum	Jasbir Sidhu Managing Director CRA Immediate Past President, Nuclear Institute
Session 1: Keynotes		
10:20	KEYNOTE 1 - The Lloyd's Register Foundation World Risk Poll	Ruth Bounphrey Chief Executive Lloyd's Register Foundation
10:40	KEYNOTE 2 - Integrated Risk Informed Decision-Making Process - The basis for a successful SMR/AMR Design and Deployment	Mamdouh El-Shanawany Adviser Board Member (Nuclear Safety and Regulations), Core Power Ltd. Member of IAEA's International Nuclear Safety Advisory Group to the Director General Chairman of Nuclear Energy Maritime Organisation
11:00	KEYNOTE 3 - ONR's approach to innovation, including examples for regulating new build	Shane Turner Technical Director Office for Nuclear Regulation (ONR)
11:20	Panel Session 1: Innovation driving forward nuclear success	Panel Chair: Jasbir Sidhu
11:40	BREAK	

Day 1 - Wednesday 25 September 2024 contd.

Time	Session	Speaker(s)
Session 2: Development of Risk & Safety Skills		
12:00	Powering Progress: Navigating the Nuclear Sector's Skills Landscape	Dr Andrew Jones Head of Research Cogent Skills
12:15	Ageing workforce in the nuclear industry: How can risk and safety management take an innovative and resilient approach to adapting to the ageing workforce within the nuclear industry?	Grace Routledge Junior Consultant CRA
12:30	CRA Academy: A Year of Learning	Amir Zar Chief Consultant, Security & Resilience Lead CRA
12:40	Panel Session 2: Shortages of Skills in Risk & Safety - Potential to Limit Innovation	Panel Chair: Jasbir Sidhu
13:00	LUNCH	
Session 3: Human Factors Driving Innovation		
14:00	HRAI: Using New Risk Technology to Address New Technological Risks with Human Users	Ronald Boring Oppenheimer Fellow (U.S. Department of Energy) Distinguished Scientist & Senior Manager Human Factors & Reliability Department Idaho National Laboratory (INL)

Day 1 - Wednesday 25 September 2024 contd.

Time	Session	Speaker(s)
14:20	The future of engineering in the virtual world: a Human Factors perspective	Tom Long Human Factors Engineer Rolls-Royce Submarines
14:40	Human Factors and AI in Nuclear: A Thin Line Between Love and Hate?	Emily Woodcock Graduate Consultant, Human and Organisational Factors CRA Gorby Jandu Consultant, Human and Organisational Factors CRA
15:00	Panel Session 3: What does innovation in Human Factors actually mean?	Panel Chair: Jasbir Sidhu
15:25	BREAK	
Session 4: Innovations in Data		
15:55	The Importance of Patterns & Signatures	Paul Smith Chief Consultant CRA
16:15	Accelerating Engineering and Nuclear Safety Projects through Application of Data Science	Anubhansoo Runsoo Senior Consultant RELSAFE PRA Consulting

Day 1 - Wednesday 25 September 2024 contd.

Time	Session	Speaker(s)
16:35	Ambiguity, Nonsense Numbers and Wilful Blindness: Do We Need a New Approach to Accident Risk Management?	Keith Miller Volunteer IMechE Safety and Reliability Group
16:55	Avoiding the confidence trap towards disaster: The reflective practitioner	Dr Akhil Bhardwaj Senior Lecturer University of Bath School of Management
17:05	Panel Session 4: Innovations in Data Driving forward Risk & Safety	Panel Chair: Jasbir Sidhu
17:25	Closing Remarks	Jasbir Sidhu Managing Director CRA Immediate Past President, Nuclear Institute
17:30	Forum Day 1 Close	
18:45	Drinks Reception	
19:30	Dinner	

Day 2 - Thursday 26 September 2024

Time	Session	Speaker(s)
09:30	Welcome & Introduction	Jasbir Sidhu Managing Director CRA Immediate Past President, Nuclear Institute
Session 5: Keynotes		
09:40	KEYNOTE 1 - TBC	To Be Announced
10:00	KEYNOTE 2 - Delivering a Sustainable Nuclear Future - Decommissioning & Sustainability Considerations in New Nuclear Build	Prof. Peter Bryant Director of ESG & Radiation Strategy Sizewell C
10:20	KEYNOTE 3 - Innovation in Radiation Protection and Radioactive Waste Management Projects	Rachael Hardman Principal Waste Manager and Radiation Protection Adviser Westinghouse
10:40	Panel Session 5: Nuclear lifecycle and innovations in safety	Panel Chair: Jasbir Sidhu
11:00	BREAK	
Session 6: Digital tools informing risk and safety management		
11:15	Emerging Digital Risks in Critical Infrastructure: Lessons Learned, Strategies for Resilience, and Regulatory Compliance	Estelle Detrembleur Strategic Consultant

Day 2 - Thursday 26 September 2024 contd.

Time	Session	Speaker(s)
11:35	Transforming MBSE with Real-Time Physical Modelling and Dynamic Safety Verification	Dr Sandra Gyasi Nuclear Safety Engineer Assystem (France)
11:55	Generational AI: A defence of a once in a lifetime innovation	Graham Openshaw Operations Director Assystem Kim Arnott Graduate Assystem
12:15	Panel Session 6: Digital tools informing risk and safety management	Panel Chair: Jasbir Sidhu
13:00	LUNCH	
Session 7: Safety Case / Risk Informed Approaches		
14:00	Risk-Informed and Performance-Based Design and Licensing of Advanced Nuclear Plants	Karl Fleming President KNF Consulting Services LLC

Day 2 - Thursday 26 September 2024 contd.

Time	Session	Speaker(s)
14:20	First cut into PSA development for newcleo's LFR	Georgi Georgiev PSA Method Engineer newcleo Guido Gerra Probabilistic Safety Assessment Lead, Safety Unit newcleo
14:40	Risk Modelling and Analysis	Chris Harrison Futures Lab Systems Engineer Rail Safety and Standards Board
15:00	Panel Session 7: Innovative Design as the Genesis of New Build	Panel Chair: Jasbir Sidhu
15:20	Closing Remarks & Poster Competition Results	Jasbir Sidhu Managing Director CRA Immediate Past President, Nuclear Institute
15:30	Forum Day 2 Close	

**The 15th CRA Risk & Safety Forum will take place
25 - 26 September 2024 in Birmingham, UK.**

Forum Theme: Innovation in risk and safety management

View talk synopses and speaker profiles here:

[TALK SYNOPSES & SPEAKER PROFILES](#)

Secure your ticket here for this year's CRA Risk & Safety Forum:

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