NEA Workshop on the Use of Robotics and Advanced Technologies in Extreme Environments and Lessons Learned
26-29 October 2026 Fukushima, Japan

Draft Programme subject to change

MONDAY – 26th October 2025			
Time (GMT)	Item #	Description	Speaker
13:00		Arrival and registrations	
14:00	A	**Welcome speech by President Okamoto of Fukushima College**	-
14:15	B	**Keynote speech**	TBD
14:45		Coffee break	-
15:15	1	**Session 1 – Status of Fukushima Daiichi NPPs TEPCO**	TBD
16:00	2	**Session 2 – Status of Japanese R&D efforts for Fukushima**	TBD
17:00		**End of Day 1**	

TUESDAY – 27th October 2025 – Site visits day

WEDNESDAY – 28th October 2025			
Time (GMT)	Item #	Description	Speaker
08:45		**Welcome remarks for Day 3**	TBD
	3	**Session 3 – Complex facilities**	
09:00	3.1	**Deploying RrOBO for Remote Glovebox Operations and Intervention**	Rav Chunilal, Peter Allport, Sellafield Ltd, UK
09:30	3.2	**CEA/NUVIA hot cell 901 remote controlled decommissioning**	Laurent Athenour, CEA, France - Jeremy Feruglio, Nuvia, France
10:00	3.3	**Technologies developed for decommissioning of NPP EBO A1 and V1**	Ladislav Vargovčík, Technical University of Košice, Slovakia
10:30		***Break***	
		Session 3 – Complex facilities (continued)	

11:00	3.4	**Remote dismantling solutions for large, contaminated components from an RBMK reactor**	Sofía Lobera Rodríguez, Westinghouse, Spain
11:30	3.5	**Dismantling all concrete inside the containment (22.000 to) of NPP Stade for free release of the Reactor Building**	Marco Albers, Preussen Elektra GmbH NPP Stade, Stade, Germany
12:00	3.6	**NUVIA Remote controlled spend fuel legacy debris retrieval from pits**	Jeremy FERUGLIO, Nuvia, France
12:30		***Lunch***	
	4	**Session 4 – Cross-industry technology applications**	
13:30	4.1	**Remote Vacuum Handling, Graph-Based Sequencing and High-Temperature Gripping for Nuclear Decommissioning & Extreme environments**	Riccardo Chebac, Fabio Vanoni, GraphiCore S.r.l., Italy
14:00	4.2	**Process Automation in Nuclear Power Plant Decommissioning and Dismantling**	Martin Ritz, RWE Nuclear GmbH, Germany
14:30	4.3	**Bridging Nuclear Decommissioning and Emergency Response: A Multi-Robot Framework**	Abdenour Benkrid, Institute for Energy Technology (IFE), Norway
15:00		***Break***	
	5	**Session 5 – Drones and quadrupeds**	
15:30	5.1	**Remote Radiometric Inspection Drones**	Matteo Saglia, Flyability SA, Switzerland
16:00	5.2	**XS-ABILITY: First Field Results and Road to Demonstration of Autonomous AI-Driven Unmanned Robotic Radiological Surveying for Nuclear D&D**	Mr. Maugan Michel, CEA, France
16:30	5.3	**From COTS Platforms to Evidence-Grade Mission Systems: Operator Lessons from Deploying Quadrupeds and Drones in Nuclear Environments**	Benjamin Regener, NuclearIQ Solutions LLC / Quanteon LLC, Switzerland
17:00		**Session 6 – Roundtable discussion**	
17:45		**End of Day 3**	

THURSDAY – 29th October 2025			
Time (GMT)	Item #	Description	Speaker
08:45		**Welcome remarks for Day 4**	
	6	**Session 6 – Fukushima focus**	

09:00	6.1	**IAEA Initiatives on the Use of Robotics and Advanced Technologies in Decommissioning**	Philippe Lefevre, IAEA
09:30	6.2	**Designing advanced robotics for sustained deployment in Fukushima PCV Veolia**	Simon Delavalle, Veolia Nuclear Solutions, UK
10:00	6.3	**Amentum Robotics**	Simon H Stewart, Amentum, Japan
10:30		***Break***	
	7	**Session 7 – Digital technologies**	
11:00	7.1	**Development of a virtual reality-controlled manipulator for the retrieval of hard-to-reach objects**	Mr. Boris Andris, VUJE a.s., Slovakia
11:30	7.2	**The Use of Digital Models from Scan-to-BIM for Robot Assisted Decommissioning Operations**	Joseph A. Ridao, Sascha Gentes, Karlsruhe Institute of Technology (KIT), Germany, Antti Räty, Technical Research Centre of Finland (VTT)
12:00	8	**Session 8 – Roundtable discussion**	
12:45	C	**Farewell Speech**	Professor, Dr. Suzuki Vice President of Fukushima College + NEA
13:00		***Lunch***	
14:30		***Workshop End***	

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