

**Workshop on
" International Workshop on Application of Advanced Plant
Information Systems for Nuclear Decommissioning and Life-cycle
Management "**

**3 – 5 December 2018
Hotel Scandic Lillehammer, Norway**

PROGRAMME

Sunday, 2 December 2018

Registration: 18.00 – 19.00

Monday, 3 December 2018

Registration: 8:15 – 9:00

Welcome and Opening Speeches

9:00 Welcome and Introduction to IFE

Nils Morten HUSEBY, CEO IFE

9:30 Welcome by Digital Systems Research Director

Tomas NORDLANDER, IFE

10:00 Introduction to the Workshop and Practicalities

Réka SZÓKE, IFE

10:10 Coffee break

Workshop Introductory Presentations

Chairs: Gerard LAURENT, Tomas NORDLANDER

10:30 Session opening

10:40 Presentation by Patrick Joseph O'SULLIVAN, IAEA

11:10 Presentation by István SZÓKE, IFE

11:40 Session closing

11:45 Lunch

Session 1: Decommissioning planning	
Session Chairs: Patrick Joseph O'SULLIVAN, Jean-Michel CHABEUF	
13:00	Session opening
13:10	D&D: Innovation for strategy and early scheduling Caroline Watripont (CGI) and Gerard Laurent (In Solutions), France
13:30	The integration of 3D engineering simulation and virtual technology to the planning of TRR decommission Tzu-Chin Kuo, Institute of Nuclear Energy Research, Republic of China
13:50	Modelling of the process of dismantling of the metal farm of the "Shelter" object with the calculation of radiation doses of personnel at all stages of the work execution Sergiy Paskevych, ISP NPP NAS, Ukraine
14:10	Integrated management systems for OPEX and early decommissioning planning within Orano History-Lessons learned-Prospects Jean-Michel Chabeuf, Orano, France
14:30	Coffee break
14:55	Development of decommissioning information management system for nuclear power plants combined with demolition method simulation Sheng-Chang Cheng, Institute of Nuclear Energy Research, Republic of China
15:15	Evaluation of VR software Yasuyoshi Taruta, Japan Atomic Energy Agency, Japan
15:35	Virtual reality to Prepare Decom Operations Adeline Auzou, Orano, France
15:55	Preliminary Design of Heavy Water Research Reactor Decommissioning Engineering Technology Supporting System Zhang Yu, China Institute of Atomic Energy, China
16:15	Session closing
16:30 – 18:30 Demo session with coffee Advanced information technology developed at IFE for supporting decommissioning	
19:00	Welcome party: "gløgg i hyttene". Wear warm clothes!
20:00	Buffé dinner

Tuesday, 4 December 2018

8:40	Presentation by Richard REID, EPRI
Session 2: Risk, safety and knowledge management Session Chairs: Céline PORET, Richard REID	
9:20	Session opening
9:30	Safety issues of Decommissioning projects from an organizational perspective Céline Poret, IRSN, France
9:50	ELINDER - European Learning Initiatives for Nuclear Decommissioning and Environmental Remediation Pierre KOCKEROLS
10:10	Structured argumentation applied to decommissioning licensing – case study with ongoing decommissioning licensing of the FiR 1 research reactor Markus Airilia, VTT Technical Research Centre of Finland Ltd, Finland
10:30	Risk assessment of nuclear waste package planning demonstrated on activated core internals of a German BWR Maarten Becker, Institut für Umwelttechnologien und Strahlenschutz GmbH, Germany
10:50	Coffee break
11:10	Decommissioning as a Step Forward for Risk Governance Jérémy Eydieux, Grenoble INP, France
11:30	Chernobyl Decommissioning Visualization Center Andrii Bilyk, ChNPP, Ukraine
11:50	The Perception of Traditional Training Techniques and Employment of Alternative Advanced Solutions for Sustainable Capacity Building Eric K. Howell, ÅF, Sweden
12:10	PPDI®: Integrated project management approach to nuclear decommissioning, from detailed planning to project risk management Silvia Mucchi, Mario Lazzeri, Società Gestione Impianti Nucleari, Italy
12:30	Conceptual design on the safety management of radioactive waste using by cutting-edge technologies Hee Seoung Park, Korea Atomic Energy Research Institute, Korea
12:50	Lunch
14:00	Group discussion

Tuesday 4th December

15:30	Session closing
16:00- 18:30 Demo session with coffee and small bites	
19:30	Aperitif
20:00	Banquet dinner

Wednesday, 5 December 2018

Session 3: Characterisation, waste and logistics management

Session Chairs: Alan SHIPPEN, Markus AIRILIA

8:30	Session opening
8:40	<p>N-Visage Fusion – 3D Plant characterisation and analysis software to plan worker dose up-take and decommissioning activities</p> <p>Alan Shippen, Create Technologies Limited, England and Wales</p>
9:00	<p>Use of NPP Information Modelling for radiological characterization, waste estimation and planning removal of components</p> <p>Francisco Ballester, Marina Llama y Jesús de Paz and Nieves Martín, Enresa, Spain</p>
9:20	<p>Research on Structure of Online Monitoring and Diagnosis System of Nuclear Power Plant</p> <p>Guo Guangyue, Shanghai Nuclear Engineering Research & Design Institute, China</p>
9:40	<p>Digital Decommissioning Logistics Concept</p> <p>Hans Frohlund, ÅF, Sweden</p>
10:00	<p>Innovative tools to improve physical and radiological characterization of nuclear zones</p> <p>Camille Theroine, Orano, France</p>
10:20	<p>ReGuard: a digital track and trace waste management system for nuclear decommissioning</p> <p>Niels Beuker, Nuclear Research & Consultancy Group, The Netherlands</p>
10:40	Coffee break
11:00	<p>Defined removal of highly reinforced concrete structures</p> <p>Sebastian Friedrich, Karlsruhe Institute of Technology, Germany</p>
11:20	<p>Phosphate Mining Wastes at Abu Tartur Mine Area, Western Desert of Egypt</p> <p>Wafaa Moustafa, Egyptian Nuclear and Radiological Regulatory Authority, Egypt</p>
11:40	Group discussion
12:40	Session closing
12:45	Lunch

Workshop closing

Wednesday 5th December

Session Chairs: All	
14:00	Meeting summary and closure of the workshop (all chairs)
15:30	Meeting adjourned