

Enlarged Halden HTO Programme Review Group (EHPRG) meeting 2025

Technical program. For more info: <https://ife.no/en/event/enlarged-halden-programme-review-group-meeting-ehprg-2025/>

Monday 5th May			
08:30 – 11:30	Paper No.:	Opening session Future needs of the nuclear industry	Chair: Kenichi Hayase, CRIEPI Secretary: Andreas Bye
08:30-08:40	Mo-00	Welcome and Introduction	Andreas Bye , IFE. Programme Manager, Halden HTO Project
08:40-08:50	Mo-01	Welcome and CRIEPI activities	Kenichi Hayase CRIEPI
08:50-09:10	Mo-02	NEA perspectives on the future of the nuclear industry	Nina Cromnier , Head of Division, Radiological Protection and Human Aspects of Nuclear Safety, OECD Nuclear Energy Agency
09:10-09:30	Mo-03	Future needs of the U.S. nuclear industry, DOE programs and efforts	Sujata Goetz , U.S. Department of Energy.
09:30-09:50	Mo-04	UK nuclear industry needs and safety research	TBC: Jonathan Hyde , UK National Nuclear Laboratory
09:50-10:05	Mo-05	The energy and nuclear situation in Norway	Bjørn Axel Gran , Research Director, IFE
10:05-10:30		Coffee break	
10:30-10:50	Mo-06	Regulatory perspective on the future of nuclear in the U.S.	Brian Smith , Office of Nuclear Regulatory Research. U.S. Nuclear Regulatory Commission
10:50-11:10	Mo-07	The nuclear developments in Japan, regulatory activities	Mitsuhiro Takanashi , Nuclear Regulation Authority of Japan, NRA
11:10-11:30	Mo-08	Swedish nuclear developments and regulatory views	Johan Enkvist , Swedish Radiation Safety Authority
11:30-13:00		Lunch	

13:00-16:20		Topic 3: Control Room Design & Evaluation	Chair: Fei Song, SNERDI Secretaries: TBD	Ref.:
13:00-13:30	Mo-3-1	Keynote address: The Plant Modernization pathway of the Light Water Reactor Sustainability program	Ahmad Y. Al Rashdan, INL	
13:30-13:50	Mo-3-2			
13:50-14:10	Mo-3-3			
14:10-14:30	Mo-3-4			
14:30-15:00		Coffee Break		
15:00-15:20	Mo-3-5			
15:20-15:40	Mo-3-6			
15:40-16:00	Mo-3-7			
16:00-16:20	Mo-3-8			
16:30 – 18:30		Exhibitions and Demonstrations		
19:00-19:30		Refreshments		
19:30		Seated Dinner		
Tuesday 6th May				
08:30-11:50		Topic 4: Human-Automation Collaboration and Multi-Unit Operation	Chair: Kelly Dickerson, NRC Secretaries: TBD	Ref.:
08:30-09:00	Tu-4-1	Keynote address: TBD		
09:00-09:20	Tu-4-2			
09:20-09:40	Tu-4-3			
09:40-10:00	Tu-4-4			
10:00-10:30		Coffee break		
10:30-10:50	Tu-4-5			
10:50-11:10	Tu-4-6			
11:10-11:30	Tu-4-7			
11:30-11:50	Tu-4-8			
11:50-13:00		Lunch		

13:00-15:10		Topic 5: Digital Systems for Operations and Maintenance	Chair: Spencer Brown, FANR Secretaries: TBD	Ref.:
13:00-13:30	Tu-5-1	Keynote address: AI and Digital Twins applications in the LWRs program	Bruce Hallbert, INL	
13:30-13:50	Tu-5-2			
13:50-14:10	Tu-5-3			
14:10-14:30	Tu-5-4			
14:30-14:50	Tu-5-5			
14:50-15:10	Tu-5-6			
15:10-15:40		Coffee Break		
15:40-17:30		Topic 1: Human Performance	Chair: Jinkyun Park, KAERI Secretaries: TBD	Ref.:
15:40-16:25	Tu-1-1	Keynote address: So what? A talk on how we can focus on what matters for people on a nuclear site.	Richard Screeon, ONR	
16:25-16:45	Tu-1-2			
16:45-17:05	Tu-1-3			
17:05-17:25	Tu-1-4			
17:25-17:45	Tu-1-5			
17:45-19:15		Exhibitions and Demonstrations		
19:00-21:00		Buffet Dinner		

Wednesday 7th May				
08:30-09:10		Topic 1: Human Performance, continued	Chair: Jinkyun Park, KAERI Secretaries: TBD	Ref.:
08:30-08:50	We-1-6			
08:50-09:10	We-1-7			
09:10-11:00		Topic 2: Digital I&C – Safety Assurance	Chair: Jacoline Hanekom, NRG Secretaries: TBD	Ref.:
09:10-09:40	We-2-1	Keynote address: TBD	TBD	
09:40-10:00	We-2-2			
10:00-10:20	We-2-3			
10:20-10:40	We-2-4			
10:40-11:00		Coffee break		
11:00-13:00		Special session: Integrated Operations for Nuclear and Petroleum	Chair: Bruce Hallbert, INL Secretaries: Asgeir Drøivoldsmo	Ref.:
11:00-11:30	We-IO	Short introduction by panelists, 5 minutes each. <ul style="list-style-type: none"> • Experience with Integrated Operations in Energy production in Equinor, lessons from O&G and offshore wind; past, ongoing and future • TBD 	Invited panelists: Vidar Hepsø, Equinor	
11:30-13:00	We-IO	Panel discussion		
13:00-17:00		Lunch on the Mountain and Social activity		
17:00-19.00		HPRG meeting, HPRG members		
19.00-21:00		Buffet Dinner		

Thursday 8th May				
08:30-09:10		Topic 2: Digital I&C – Safety Assurance, continued	Chair: Jacoline Hanekom, NRG Secretaries: TBD	
08:30-08:50	Th-2-5			
08:50-09:10	Th-2-6			
09:10-11:30		Topic 6: Sustainable Decommissioning	Chair: Michael Passens, GRS Secretaries: TBD	Ref.:
09:10-09:40	Th-6-1	Keynote address	TBD	
09:40-10:00	Th-6-2			
10:00-10:30		Coffee Break		
10:30-10:50	Th-6-3			
10:50-11:10	Th-6-4			
11:10-11:30	Th-6-5			
11:30-12:50		Lunch		
12:50-15:00		Topic 7: Cyber Security for Main Control Rooms	Chair: Sarah Lawrie, UKNNL Secretaries: TBD	Ref.:
12:50-13:20	Th-7-1	Keynote address: TBD	TBD	
13:20-13:40	Th-7-2			
13:40-14:00	Th-7-3			
14:00-14:20	Th-7-4			
14:20-14:40	Th-7-5			
14:40-15:00	Th-7-6			
15:00-15:30		Coffee break		

15:30-17:00		Panel session with Main take-aways	Chair: Kenichi Hayase, CRIEPI Secretary: Andreas Bye Panel: Topic chairs	
19:00		Aperitif		
19:30		Banquet dinner		