

*Nordic Nuclear and Radiation Risk Estimates - Advances and Uncertainties*  
- Joint NKS-R and NKS-B Seminar, Finlandshuset, Stockholm, 15-16 January 2019

**Draft program with 'tentative' titles**

**Tuesday 15 January:**

13:00 – 13:10	Welcome	Sigurður Magnússon (GR/NKS Chair)
13:10 – 14:00	<b>Key speaker No. 1:</b> <i>Emergencies, ethics and evolution</i>	Claire Cousins (Chair of ICRP)
14:00 – 14:20	<i>Overview of the NKS-R and NKS-B programs</i>	Christian Linde (SSM/NKS-R) Kasper Andersson (DTU/NKS-B)
<b><u>Session I:</u> Advances and uncertainties in estimating NPP risk processes (Chair: Annelie Bergman, SSM)</b>		
14:20 – 15:40	<i>Site risk analysis for nuclear installations</i> (NKS-R SITRON)	Jan-Erik Holmberg (RiskPilot AB, Finland)
	<i>Assessment of corium risk of a Nordic BWR</i> (NKS-R SPARC)	Weimin Ma (KTH)
	<i>Reliability of fire barriers</i> (NKS-R FIREBAN)	<i>to be announced</i>
	<i>RApid Source TERM Prediction (RASTEP) – A versatile tool for decision support in nuclear emergency situations</i> (NKS-R RASTEP)	Anders Riber Marklund (LRC)
15:40 – 16:10	<b>Coffee or tea</b>	
<b><u>Session II:</u> Advances and uncertainties in estimating accident risks to the population (Chair: Carsten Israelsson, DEMA)</b>		
16:10 – 16:50	<b>Key speaker No. 2:</b> <i>Perspectives on interaction with society and associated risks and uncertainties</i>	Britt-Marie Drottz Sjöberg (NTNU)
16:50 – 18:15	<i>An Exercise in Early Phase Source Term Estimation From Gamma Spectra</i> (NKS-B EPHSOGAM)	Mark Dowdall (NRPA)
	<i>Effects of source-term uncertainty and meteorological uncertainty on plume prediction</i> (NKS-B AVESOME)	Jens Havskov Sørensen (DMI)
	On 'ways to reduce uncertainties in mobile search of radioactive material out of regulatory control' (NKS-B AUTOMORC)	Robert Finck (Lund U)
	On 'advances and uncertainties in risk estimation in decision support systems' (NKS-B MESO)	Steen Hoe (DEMA)
18:15 – 20:00	<b>Posters session with mingling/reception</b>	

**Wednesday 16 January:**

08:00 – 08:30	<b>Coffee or tea</b>	
08:30 – 09:00	<b>Key speaker No 3:</b> <i>SSM:s view on how to secure competence in radiation safety in Sweden</i>	Anneli Hällgren (SSM)
<b>Session IIIa: Advances, risks and uncertainties in decommissioning and long-term operation (Chair: Ole Harbitz, NRPA)</b>		
09:00 – 09:40	<b>Key speaker No. 4:</b> <i>Uncertainties in nuclear back-end management and the path towards a sustainable decommissioning paradigm</i>	Kristina Gillin (LRC)
09:40 – 10:20	<i>Status of the decommissioning activities in the Nordic countries</i>	Martin Amft (SSM)
	<i>Digital technology aided innovation for planning and cross-cutting issues in nuclear decommissioning</i> (NKS-R NORDEC)	István Szőke (IFE)
10:20 – 10:50	<b>Coffee or tea</b>	
<b>Session IIIb: Advances, risks and uncertainties in decommissioning and long-term operation (Chair: Jorma Aurela, MEAE)</b>		
10:50 – 11:50	On ‘safety culture’ (NKS-R SC-AIM)	Teemu Reiman (Liliko Consulting)
	On ‘uncertainties and pitfalls in measurements for decommissioning waste classification’ (NKS-B RADWORKSHOP)	Jixin Qiao (DTU)
	On ‘irradiated material from the reactor pressure vessel at Barsebäck’ (NKS-R BREDARPV)	<i>to be announced</i>
11:50 – 13:00	<b>Lunch</b>	
<b>Session IV: NORM, waste management and risks to the environment (Chair: Gísli Jónsson, GR)</b>		
13:00 – 13:40	<b>Key speaker No. 5:</b> On ‘radiation protection of the environment in a Nordic perspective’	Deborah Oughton (NMBU)
13:40 – 14:40	On ‘characterisation of industrial NORM waste including uncertainties’ (NKS-B CONCORE)	Per Roos (DTU)
	<i>Risks from naturally occurring radionuclides in the Nordic diet</i> (NKS-B NANOD)	Mari Komperød (NRPA)
	<i>Now we know why there are so few microcosm studies in radioecology</i> (NKS-B NORCO II)	Tanya H. Hevrøy (NRPA)
14:40 – 15:20	Summary and conclusions	Astrid Liland (NRPA) Nici Bergroth (Fennovoima Oy)
15:20 – 15:30	Closing remarks	Sigurður Magnússon (GR/NKS Chair)
<b>End of seminar at 15:30. (Coffee or tea)</b>		