

**Nordic nuclear and radiation risk estimation - Advances and uncertainties: (title to be improved!)**

Day 1:

13:00 – 13:10 Welcome (Sigurdur, others)

13:10 – 14:00 Key speaker No. 1: **Claire Cousins**, Chair of ICRP, talk on ICRP, ethics, risks, uncertainties and emergency preparedness (incl. discussion time)

14:00 – 14:20 NKS PC presentations

14:20 – 15:40 **Advances and uncertainties in estimating NPP risk processes:**

- NKS-R SITRON presenter on uncertainty in site level risk estimation (Jan-Erik Holmberg, RiskPilot Finland or Salvatore Massaiu, IFE)

- NKS-R SPARC presenter on uncertainty in risk estimation of containment failure and release characteristics (Weimin Ma, KTH or Anna Nieminen, VTT)

- NKS R FIREBAN speaker on “Determination of fire barriers' reliability for fire risk assessment in nuclear power plants” (Patrick van Hees, Lund University)

- NKS-R RASTEP presenter on NPP processes and source term prediction uncertainties (Joakim Klug or Francesco Di Dedda, LRC)

- Discussion

15:40 – 16:10 Coffee

16:10 – 16:50 Key speaker No. 2: **Britt-Marie Drottz-Sjöberg**, talk on Interaction with society and associated risks and uncertainties

16:50 – 18:10 **Advances and uncertainties in estimating accident risks to the population:**

- NKS-B EPHSOGAM presenter on uncertainty in predicting source term on the background of measurements (Mark Dowdall, NRPA)

- NKS-B AVESOME speaker on uncertainties in predicting plume radionuclide concentrations (Jens Havskov Sørensen, DMI)

- NKS-B AUTOMORC speaker on uncertainty in measurements for long term risk management (Robert Finck or Christopher Rääf, Lund U.)

- NKS-B MESO speaker on uncertainties in risk estimation in decision support systems (Steen Hoe, DEMA or Jonas Lindgren, SSM)

- Discussion

18:10 – 18:15 Practical info about posters and reception

18:15 – 20:00 Posters and mingling/reception

Day 2:

Coffee from 08:00

08:30 – 09:00 Key speaker No 3: **Anneli Hällgren** (SSM) on securing competence

09:00 – 09:40 Key speaker No. 4: **Kristina Gillin (LRC) to be confirmed** Introduction lecture on risks during decommissioning

09:40 – 10:20 **Risks and uncertainties in decommissioning and long-term operation (I)**

- NKS-R NORDEC speaker on “Challenges and opportunities for improving Nordic nuclear decommissioning” (István Szöke, IFE)
- ?? Speaker: on-going and planned decommissioning activities in the Nordic countries (requested by OH)
- Discussion

10:20 – 10:50 Coffee

10:50 – 11:50 **Risks and uncertainties in decommissioning and long-term operation (II)**

- NKS-R SC-AIM speaker on “safety culture during decommissioning” (Teemu Reiman, VTT)
- NKS-B RADWORKSHOP speaker on uncertainties and pitfalls in measurements for decommissioning waste classification (Jixin Qiao, DTU)
- NKS-R BREDA speaker on “Studies on irradiated material from the reactor pressure vessel at Barsebäck” (Pål Efsing, KTH)
- Discussion

11:50 – 1300 Lunch

13:00 – 13:40 Key speaker No. 5: **Deborah Oughton** (UMB), on radiation protection of the environment in a Nordic perspective (Debbie Oughton, UMB)

13:40 – 14:40 **NORM, waste management and risks to the environment**

- NKS-B CONCORE presenter on characterisation of industrial NORM waste including uncertainties (Charlotte Nielsen, SIS, Kresten Breddam, SIS or Per Roos, DTU)
- NKS-B NANOD presenter on risks from naturally occurring radionuclides in diet (Mari Komperød, NRPA)
- NKS-B NORCO II presenter on conclusions and uncertainties of microcosm studies of risk (Tanya Hevrøy, NRPA or Clare Bradshaw, Stockh. U.)
- Discussion

14:40 – 15:10 Summary and conclusion (Astrid and Karin)

15:10 – 15:30 Thanks/Closing (SMM)

End of seminar at 15:30

(Coffee)