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## Seminar Programme

### Thursday 26<sup>th</sup> March 2009

**10.00 REGISTRATION AT THE ARMÉMUSEUM**

**10:30 OPENING OF THE SEMINAR**

**Sigurður M. Magnússon (NKS Chairman)**

**Lars Gunsell (Swedish Radiation Safety Authority)**

**NKS Programme Managers**

#### SESSION 1:

**11.00 NKS-R AutoNewTech –Jonas Andersson (Chalmers University of Technology)**

*The usefulness of automation - a human factors view of control room operator work*

**11.25 NKS-R MOSACA – Teemu Reiman (VTT)**

*Safety culture - dimensions and evaluation*

**11:50 NKS-B BIODOS/BIOPEX - Carita Lindholm (STUK)**

*Biodosimetry application in emergency preparedness*

*Emergency preparedness exercise for biological dosimetry*

**12:20 Lunch**

#### SESSION 2:

**13:20 NKS-R StratRev – Johan Westin (Vattenfall Research and Development)**

*Stratification issues in the primary system*

**13:45 NKS-R POOL – Timo Pätkängas (VTT)**

*Experiments and modeling of pressure suppression pools*

**14.10 NKS-B REIN Lavrans Skuterud (Norwegian Radiation Protection Authority)**

*Regional differences in reindeer radiocaesium contamination*

**14:35 NKS-B GAPRAD - Justin Brown (Norwegian Radiation Protection Authority)**

*Filling knowledge gaps in radiation protection methodologies for non-human biota*

**15:00 COFFEE OR TEA**

**SESSION 3:**

**15:30 NKS-R NROI – Christian Ekberg (Chalmers University of Technology)**

*Radiolytic oxidation of iodine in containment conditions*

**15:55 NKS-R ExCoolSE – Pavel Kudinov (Kungl. Tekniska Högskolan)**

*Ex-vessel coolability and energetics of steam explosions in BWR*

**16:20 NKS-B SPECIATION - Xiaolin Hou (Risø-DTU)**

*Speciation analysis of radionuclides in the environment*

**16:45 NKS-B HOT - Brit Salbu (Norwegian University of Life Sciences)**

*Radioactive particles in a Nordic context*

**17:10            End of day 1**

**19.30            SEMINAR DINNER AT RESTAURANT BRASSERIE ELVERKET**

**Friday 27<sup>th</sup> March 2009**

**SESSION 4:**

**08:35 NKS-R Werisk – Grigory Nikulin (Swedish Meteorological and Hydrological Institute)**

*Climate extremes in changing climate*

**09.00 NKS-R PODRIS –Kaisa Simola (VTT)**

*Importance of inspection reliability assumptions on piping failure probability estimates*

**09.25 NKS-B NORDRISK - Bent Lauritzen (Risø-DTU)**

*Nuclear risk from atmospheric dispersion in Northern Europe*

**09:50 NKS-B PardNor - Kapser Andersson (Risø-DTU)**

*Parameters for ingestion dose models for Nordic areas*

**10:15            COFFEE OR TEA**

**SESSION 5:**

**10:45 NKS-R WASCO – Paolo Fantoni (IFE OECD Halden Reactor Project)**

*Wire system ageing assessment and condition monitoring*

**11.10 NKS-R IACIP – Makoto Tsuiki (IFE OECD Halden Reactor Project)**

*Improving Accuracy of the Calculation of In-core Power Distributions for Light Water Reactors  
- Verification of the Method for a PWR at BOL, Hot-Standby*

**11.35 NKS-B GammaRate - Linda Persson (Swedish Radiation Safety Authority)**

*Safe use of Portable gamma radiation ratemeters for environmental monitoring*

**12:00 NKS-B REMSPEC - Mark Dowdall (Norwegian Radiation Protection Authority)**

*Analysis of remotely accrued complex gamma ray spectra – proficiency test*

**12.25 LUNCH**

**SESSION 6:**

**13.25 NKS-R SafetyGoal – Michael Knochenhauer (Relcon Scandpower)**

*Probabilistic Safety Goals for Nuclear Power Plants*

**13:50 NKS-R RiskEval – Ola Bäckström (Relcon Scandpower)**

*Interpretation and Risk Evaluation of Technical Specification Conditions*

**14.15 NKS- B URBHAND - Kapser Andersson (Risø-DTU)**

*Decision support handbook for remediation of contaminated inhabited areas*

**14:40 NKS-B LUCIA - Synnöve Sundell-Bergman (Vattenfall Power Consultant)**

*Assessing the impact of releases of radionuclides into sewage systems in urban environment - simulation, modelling and experimental studies*

**15.05 CLOSING OF THE SEMINAR**