

Upcoming Seminars

NKS-R NORDEC

Workshop on challenges and opportunities for improving Nordic nuclear decommissioning

20-21 November 2017, Halden, Norway

The overall goal of NORDEC is to identify challenges for decommissioning and enhancing knowledge transfer among stakeholders in Nordic countries, with special emphasis on regulatory interaction.

This workshop is scheduled the project to discuss findings of the research within the project per date, and gather new input for the final report. Formal invitations will be directly distributed by the project participants too. Registrations will be accepted until maximum capacity is reached. Requests shall be sent to Espen Nystad Espen.Nystad@ife.no with CC to István Szóke Istvan.Szoke@ife.no.

NKS-B GammaSpec 2017

Seminar for users of gamma spectrometry

19-20 September 2017, DTU Risø Campus, Roskilde, Denmark

The activity is relevant to gamma spectrometry practitioners in the Nordic countries covering intercomparison exercises as well as a seminar. The scope of the seminar will be broad allowing a range of topics in gamma spectrometry to be addressed from basic to advanced aspects in order to attract users with different backgrounds and needs in the field. Experts will be invited to give talks on selected topics and challenges in gamma spectrometry. The intercomparison exercises include laboratory measurements of physical samples as well as analyses of exercise spectra with associated information.

The GammaWiki web site developed during previous NKS activities on gamma spectrometry will be used as a platform for information and planning on the intercomparison exercises and seminar.

(https://www.gr.is/wiki/GammaWiki/index.php/GammaSpec_2017). Here you can also sign up for the seminar.

The Organizers:

- Anna Banel (IFE)
- Trygve Bjerck (IFE)
- Henrik Ramebäck (FOI)
- Kjartan Guðnason (IRSA)
- Roy Pöllänen (STUK)
- Sven Nielsen (DTU)

NKS-B Nordic ICP

Seminar on development and exploration of inductively coupled plasma spectrometry

25-27 September 2017, DTU Risø Campus, Roskilde, Denmark

Seminar Venue:

The seminar will take place at DTU Risø Campus – located on the peninsula Risø in Roskilde Fjord 7 km north of the historic town of Roskilde and 40 km west of Copenhagen. (<http://www.dtu.dk/english/about/campuses/dtu-risoe-campus>)

The seminar consists of two parts:

25th and 26th September: Invited lectures and presentations from participants at H.H. Koch, building 110, Risø. Prof. Frank Vanhaecke (Ghent University, Belgium) will give the opening lecture and several highly reputed experts will give invited talks.

27th September: Lab practice in room S15-17, building 204, Risø.

Seminar Objectives:

The seminar aims to strengthen the education of MSc/PhD students and young scientists and to increase competence of staff involved to explore the application of ICP techniques for different purposes in nuclear and radiochemistry fields.

- 1) To provide the participants with an overview of state-of-the-art fundamental aspects and instrumental developments of ICP techniques, and the applications of these techniques in interdisciplinary contexts.
- 2) To provide an opportunity to the participants getting hands-on experience of ICP instrument operation, maintenance, data acquisition and software instruction by participating in practical training in the laboratory.
- 3) To provide a forum for knowledge and experience exchange in various aspects related to ICP techniques and stimulate international collaborations.

Seminar Scope

Fundamental aspects and instrumental developments:

- ICP fundamentals and mechanisms
- sample preparation and matrix effect
- sample introduction and transport phenomena
- removal of interferences
- software and data analysis

Applications of ICP techniques in the analysis of:

- natural and anthropogenic radionuclides
- isotopic ratio of radioactive and stable elements
- environmental studies
- forensic analysis
- geological dating
- biological / clinical / pharmaceutical materials

Seminar Organizers:

Technical University of Denmark (Chair)
Swedish Defence Research Agency, Sweden
ALS Scandinavia AB, Sweden
University of Helsinki, Finland
Swedish Radiation Safety Authority, Sweden
Norwegian University of Life Sciences

Registration:

Please fill out the registration form for ICP User 2017 on the activity website (http://www.nks.org/en/seminars/upcoming_seminars/nks-b-nordic-icp.htm), and send to Helle Tofte Holm (htho@dtu.dk) by e-mail. Registration deadline **15th August 2017**. The registration is free. Lunch and light refreshment will be provided. Participants are expected to cover their own travel and subsistence costs.

Contact Person:

Jixin Qiao (jiqi@dtu.dk), +45 21798724.

NKS-B NEXUS Nordic Exercise for Unmanned Systems

31 October – 2 November 2017, Björka Exercise Field, Lund, Sweden

The purpose of the NEXUS exercise is to test unmanned aerial platforms in use in the Nordic countries with respect to locating, identifying and estimating the activity of radioactive sources under field conditions. Thereby acquire competence within the RN emergency preparedness and response organizations in the Nordic countries.

NEXUS will focus on:

- The use of fixed wing platforms that are beneficial in covering larger areas.
- The use of unmanned measurements in urban environments.
- Scenarios with contaminated areas in contrast to separate point sources.
- Reports to reach back as decision support.

There is room for a limited number of observers. Contact the organizers if interested.

The Organizers:

Magnus Gårdestig (LiU), magnus.gardestig@liu.se
Karl Östlund (LU)
Kasra Tazmini (NRPA)
Juha Roning (Oulu)
Jeppe Vöge Jensen (DEMA)

New Publications

The following NKS-R reports are available free of charge: Download by clicking the appropriate link.

NKS-387	April 2017	Sebastian Carbol, Mikael Andersson, Christophe Deamzière, Jaakko Leppänen: Development of a hybrid neutron transport solver in 2 energy groups	HYBRID	View document
NKS-388	April 2017	William Beere, Tai Tien Huynh: Data and visualization solutions for HYBRID core simulation method	HYBRID	View document
NKS-389	April 2017	Risto Huhtanen, Timo Pättikangas: Simulation of PPOOLEX stratification and mixing experiment SPA-T1	COPSAR	View document

Recent publication available free of charge from ATR-2015 (NKS-R). Download by clicking the link.

[Kärkelä, T.; Kajan, I.; Tapper, U.; Auvinen, A.; Ekberg, C. *Progress in Nuclear Energy*, Vol. 99, 2017, 38–48.](#)

The following NKS-B reports are available free of charge: Download by clicking the appropriate link.

NKS-390	May 2017	Inger Margrethe H. Eikermann, Anna Nalbandyan, Øyvind Gjølme Selnæs, Øyvind Aas-Hansen, Helmuth Zika, Michael Wallin, Kjartan Guðnason, Jeppe Vöge Jensen, Tone D. Bergan: COASTEX Scenario Report: nine	COASTEX	View document
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maritime accident scenarios. Report no. 1
from the NKS-B COASTEX activity

NKS-391	May 2017	Inger Margrethe H. Eikermann, Øyvind Gjølme Selnæs, Anna Nalbandyan, Øyvind Aas-Hansen, Helmuth Zika, Michael Wallin, Kjartan Guðnason, Jeppe Vøge Jensen, Tone D. Bergan: COASTEX Exercise Guide. Report no. 2 from the NKS-B COASTEX activity	COASTEX	View document
NKS-392	May 2017	Anna Nalbandyan, Inger Margrethe H. Eikermann, Øyvind Gjølme Selnæs, Øyvind Aas-Hansen, Helmuth Zika, Michael Wallin, Kjartan Guðnason, Jeppe Vøge Jensen: Scenarios and table top exercise concept on events related to traffic of nuclear-powered vessels and transportation of spent nuclear fuel along the Nordic coastline (COASTEX): Report no. 3 - Final report from the NKS-B Project COASTEX	COASTEX	View document

NKS Young Scientist Travel Assistance

Updated information that NKS offers travel assistance for young scientists wishing to attend NKS-R and NKS-B events as well as related non-NKS events even outside the Nordic countries - under certain conditions. More information on the conditions and how to apply for travel assistance can be seen on the NKS web site [here \(http://www.nks.org/en/nksr/travel_assistance/travel_assistance.htm\)](http://www.nks.org/en/nksr/travel_assistance/travel_assistance.htm) for NKS-R related events, and [here \(http://www.nks.org/en/nksb/travel_assistance/travel_assistance.htm\)](http://www.nks.org/en/nksb/travel_assistance/travel_assistance.htm) for NKS-B related events.

NKS on LinkedIn

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<https://www.linkedin.com/company-beta/16196099/>

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