

Upcoming Seminars

NKS-B AVESOME 2018

Seminar: Uncertainties in Decision Support – on the use of meteorological and source-term data in nuclear emergency management

12 September 2018, 10 am – 5 pm, Danish Meteorological Institute (DMI), Copenhagen, Denmark

In the early phase of a nuclear accident where radionuclides are released to the atmosphere, two large sources of uncertainty in the assessment of the radiological consequences exist: one associated with the radionuclide source term itself, the other associated with the meteorological data. The seminar will address practical methods for estimating and presenting these uncertainties in modelling atmospheric dispersion and deposition of radionuclides. The implication for real-time emergency management and the added value for decision support will be discussed.

The seminar will be relevant for decision makers, for nuclear emergency management and for experts on source-term modelling and atmospheric dispersion.

Organizers: Jens Havskov Sørensen (DMI) and Bent Lauritzen (DTU Nutech)

Registration: Please register by email to Jens Havskov Sørensen (jhs@dm.dk) on a first-come, first-served basis. Participants shall cover their own expenses.

NKS-B GAMMARAY

Seminar/workshop for Users of Gamma-ray Spectrometry

25-26 September 2018, Reykjavik, Iceland

As announced in the latest NKS NewsFlash the GAMMARAY seminar/workshop will be held during 25-26 September 2018. In particular students and younger scientists are encouraged to consider attending this seminar/workshop. Please note that the seminar/workshop is quite informal and that all kinds of experience are welcomed. Results of an intercomparison exercise will be discussed, covering individual laboratory sample analyses as well as analyses of distributed gamma spectra.

Detailed information on the seminar/workshop will be available at the GammaWiki site (http://gr.is/wiki/GammaWiki/index.php/GammaSpec_2018), where you can find a registration form (you can also find this at http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm). Please fill in the registration form and send to Kjartan Guðnason (kg@gr.is) by 1 September giving the title of your presentation and intention to attend the seminar dinner in Reykjavik on 25 September.

Contact Person:

Henrik Ramebäck (henrik.ramebeck@foi.se), +46 90106646.

NKS-B RADWORKSHOP 2018

Workshop on Radioanalytical Chemistry for Nuclear Decommissioning and Waste Management

8-12 October 2018, DTU Risø Campus, Roskilde, Denmark

Important deadlines:

Abstract submission: **30 June 2018 (note: only 9 days left!)**

Registration: **31 August 2018**. For the lab training, only few vacancies are left.

Workshop 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 workshop consists of two parts:

8-10th October: Invited lectures and presentations from participants at Auditorium, building 112, Risø. A number of highly reputed experts from authorities, research institutes and nuclear industries will be invited to give state-of-the art lectures in different aspects in nuclear decommissioning and waste management with the focus on radioanalytical chemistry.

11-12th October: Lab practice building 202 and 204, Risø. The lab training will demonstrate the radiochemical analysis of alpha emitters (Pu-239, 240 and Am-241) and beta emitters (Fe-55, Ni-63) in nuclear decommissioning materials.

Workshop Objectives:

The workshop aims to strengthen the education of MSc/PhD students and young scientists and to increase competence of staff in the field of radiochemistry, with the focus on its application in nuclear decommissioning and waste management. The objectives of the workshop include: 1) Provide the participants with an overview of the nuclear decommissioning strategies and plans especially in Nordic countries, and the state-of-art of radio analytical methods developed and applied for nuclear decommissioning and challenges faced in the near future. 2) Provide an opportunity to the participants to get knowledge and practical experience in analytical experiment by participating the hands-on training in the laboratory. 3) Provide a forum to share knowledge, exchange experiences and explore solutions and together overcome difficulties in analysis of various radionuclides with different approaches and techniques.

Topics of the workshop:

1. International and national legislation on decommissioning, waste management and clearance of materials, buildings and land
2. Strategies, experience and challenges in decommissioning of nuclear facilities
3. Radiological characterization and radiochemical analysis
 - Sampling technique and strategies
 - Radiological characterization methods
 - Principles of radiochemical analysis
 - Radiochemical methods for hard-to-measure radionuclides
 - Measurement techniques (alpha, beta, gamma, LSC, mass spectrometry)
 - Development of new techniques/materials

Workshop Organizers:

DTU Nutech, Technical University of Denmark (Chair)
NRPA, Norwegian Radiation Protection Agency, Norway
STUK, Radiation and Nuclear Safety Authority, Finland
SSM, Swedish Radiation Safety Authority, Sweden

Registration:

Please submit your abstract and register for the RadWorkshop 2018 following the link

<http://www.conferencemanager.dk/NKSRADWorkshop>.

Practical information:

There is no fund available from the organizer for supporting the participants to cover their travel and subsistence costs. The Nordic participants are encouraged to apply a travel fund directly from NKS (see http://www.nks.org/en/nksb/travel_assistance/travel_assistance.htm).

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

NKS-R NORDEC – OECD-HRP/NKS Workshop on challenges and opportunities for improving nuclear decommissioning in HRP and Nordic countries

6-7 December 2018, Hotel Scandic Lillehammer, Norway

This workshop is organised within the OECD Halden Reactor Project ([OECD-HRP](#)) and the Nordic Nuclear Safety Research Forum ([NKS-R NORDEC](#)). The workshop aims at bringing together a multidisciplinary group representing the professional community working on implementation and oversight of decommissioning for discussing opportunities and challenges for improving nuclear decommissioning in HRP member and Nordic countries. Special focus will be on bringing stakeholder organisations closer together through digitally enhanced innovative concepts. This workshop will also host the first meeting of a nuclear decommissioning advisory group to be launched by the OECD-HRP programme.

Examples for specific subjects to be addressed by the group:

- Collaborative development of guidance for practical application of regulation.
- Application of advanced information systems for demonstrating regulatory compliance.
- Joint development of case studies with digital support concepts.
- Establishing and testing digital experience based training methods.
- Joint development of e-Learning material for nuclear decommissioning.
- Interfacing big contractors with the regulators through digital safety demonstration methods.
- Collaborative testing of new decommissioning technologies using digital twins.

3-5 December: Within our series on “Digitalisation for nuclear decommissioning” an international workshop on Application of advanced plant information systems for nuclear decommissioning and life-cycle management will be held (www.ife.no/digidecom2018) at the same venue, providing the opportunity for interested participants to attend both events (see also: www.ife.no/digidecom2019).

Organising committee: digidecom@ife.no

Chairman: I Szőke, Institute for Energy Technology, Norway

New Publications

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

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|---------|-----------|--|-------|-------------------------------|
| NKS-408 | June 2018 | Veikko Taivassalo, Eveliina Takasuo, Magnus Strandberg, Tero Tyrväinen, Ilkka Karanta, Anna Nieminen: Phenomena Threatening Containment Integrity and Evaluating Source Term Characteristics | SPARC | View document |
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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/>

This NewsFlash together with additional information on NKS and its activities can be found on www.nks.org.

The NKS Secretariat can be contacted on nks@nks.org.

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