

## Upcoming seminars

### **NKS-B NORDICNANO ToF-SIMS in nuclear sciences Workshop**

**7-9 June 2022, Chalmers University of Technology, Gothenburg, Sweden**

**Seminar Venue:**

The workshop takes place at Chalmers Johanneberg campus – located in Gothenburg on the west coast in Sweden.

The workshop consists of a theoretical part focusing on ToF-SIMS principles and lectures from specialists on correlated techniques like gamma and X-ray spectroscopy and electron microscopy. This is followed by a second practical part focusing on TOF-SIMS hands-on training with data acquisition from standards and environmental samples. There will be a second part focusing on data mining and data interpretations of in particular isotopic imaging of radionuclides, The aim of the workshop is to give the user a introduction to the use of ToF-SIMS and a rudimentary understanding of how to design an experiment and conduct an analysis.

**Seminar Organizers:**

Chalmers University of Technology/Göteborg University  
Norwegian University of Life Sciences  
Technical University of Denmark  
University of Helsinki

**Registration:**

Please send an email to Per Malmberg [malmper@chalmers.se](mailto:malmper@chalmers.se)

Registration deadline 30th of May November 2022. The registration is free. Light refreshments will be provided. Participants are expected to cover their own travel and subsistence costs.

**Contact Person:**

Per Malmberg ([malmper@chalmers.se](mailto:malmper@chalmers.se)), +4631-7728321.

### **NKS-B CRESCENT**

**The second workshop on credible release scenarios for nuclear-powered vessels operating in Nordic waters**

**8-9 June 2022, Iceland**

The purpose of CRESCENT project is to review and update existing information and establish credible scenarios and release pathways for incidents or accidents related to nuclear-powered vessels operating in Nordic waters. The second workshop is related to discussions on credible release scenarios, and will be from morning 8<sup>th</sup> of June and to lunch the following day.

Participation in the workshop is by invitation only.

**Workshop organizers:**

- Norwegian Radiation and Nuclear Safety Authority (DSA), Norway
- Swedish Radiation Safety Authority (SSM), Sweden
- The Danish Emergency Management Agency (DEMA), Denmark
- Icelandic Radiation Safety Authority (IRSA), Iceland

**Project coordinator:**

Øyvind Gjølme Selnæs ([oyvind.selnaes@dsa.no](mailto:oyvind.selnaes@dsa.no))

**NKS-B RNSARCARDS****Maritime Emergency table-top exercise**

**29<sup>th</sup>-30<sup>th</sup> of September 2022, Bodø, Norway**

RNSARCARDS is coordinated by the Norwegian Radiation and Nuclear Safety Authority and the Joint Rescue Coordination Centre North Norway and counts with the participation of the Icelandic Radiation Safety Authority, the Icelandic Coast Guard, the Joint Rescue Coordination Center Denmark, the Danish Emergency Management Agency, the Finnish Border Guard, and Nord University.

The purpose of RNSARCARDS is to develop a series of action cards for RN-SAR operations to be used by Search and Rescue (SAR) and Radiation authorities at the operational level (SAR mission coordinators on duty and Radiation authorities giving advice). The action cards are linked to the *Nordic Handbook for Search and Rescue in a Maritime Radiological / Nuclear Emergency* developed under the NKS-B project RNSARBOOK.

RNSARCARDS will hold a table-top exercise (TTX) on the 29<sup>th</sup> and 30<sup>th</sup> of September in Nord University Preparedness Management Lab (NORDLAB) in Bodø, Norway. A center that provides an arena for education, training and exercising within the emergency preparedness and response field to academia and practitioners alike through advance simulation technology, crisis management support systems, and command and control support systems.

The TTX will serve to test the action cards developed by the RNSARCARDS project by involving SAR mission coordinators and members of the radiation authorities of the countries involved in the project. RNSARCARDS will also consider the possibility of having a secondary training audience and inviting other relevant actors to observe the exercise via videostream.

**Project coordinator:**

Øyvind Aas-Hansen ([Oyvind.Aas-Hansen@dsa.no](mailto:Oyvind.Aas-Hansen@dsa.no))

## New Publications

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

NKS-455	Feb 2022	Pål Efsing, Magnus Boåsen, Daniela Klein, Pentti Arffman, Noora Hytönen, Sebastian Lindqvist, Mattias Thuvander, Kristina Lindgren, Jenny Roudén: Barsebäck as a Research and Development Platform, Extraction and Analysis of Service-aged and Irradiated Reactor Pressure Vessel Material	BREDA 2021	<a href="#">View document</a>
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**The following NKS-B reports are available free of charge: Download by clicking the appropriate link.**

NKS-451	Oct 2021	M. Dowdall, Henrik Ramebäck, Mats Eriksson, Per Roos, Philip Holm, Kjartan Guðnason: Development of a Resource for the Improvement of National Nuclear Forensics Gamma Spectrometric Core Capabilities (RINFOR)	RINFOR	<a href="#">View document</a>
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NKS-452	Nov 2021	R. Pöllänen, J. Turunen, H. Ramebäck, K. Guðnason, S. P. Nielsen, A. Banel, T. B. Aleksandersen: GammaRay X Proceedings: Webinar for users of gamma ray spectrometry	GAMMARAY X	<a href="#">View document</a>
NKS-453	Jan 2022	M. Dowdall, Kari Peräjärvi, Tero Karhunen, Sara Ehrs, Charlotte Alfast Espensen, Gísli Jónsson: Analysis of the Performance of LaBr3 Detectors for Fresh Fallout Response (PERLAD)	PERLAD	<a href="#">View document</a>
NKS-454	Jan 2022	Selnæs Ø. G., Eikermann I. M., Matillä A., Jonsson G., Bohr D., Nordstrøm S. N.: Seminar on the use of nuclear weapons towards a Nordic country: Scenarios, impact assessments and protective measure	NUCSEM	<a href="#">View document</a>
NKS-456	Mar 2022	Jens Havskov Sørensen (co-ordinator), Henrik Feddersen, Kasper Skjold Tølløse, Rostislav Kouznetsov, Mikhail Sofiev, Heiko Klein, Magnus Ulimoen, Lennart Robertson, Jan Pehrsson, Bent Lauritzen, Dan Bohr, Agnieszka Hac-Heimburg, Carsten Israelson, Anna Maria Blixt Buhr, Jonas Lindgren, Tero Karhunen, Tuomas Peltonen: Source Localization by Inverse Methods (SLIM)	SLIM	<a href="#">View document</a>
NKS-457	Mar 2022	Anumaija Leskinen, Eric Dorval, Susanna Salminen-Paatero, Xiaolin Hou, Simon Jerome, Karl Andreas Jensen, Lindis Skipperud, Leena Vasara, Satu Rautio, Marie Bourgeaux-Goget, Joe Moussa, Solveig Stordal, Ingunn Isdahl, Celine Gautier, Emilie Baudat, Gabriel Lambrot, Margaux Giuliani, Christèle Colin, Elodie Laporte, Jacques Bubendorff, René Brennetot, Shu-Shih Wu, Yu Hsuan Ku, Wei Chi Wei, Yueh Ching Li, Qiao Ting Luo: DTM-Decom III - Intercomparison exercise in analysis of DTM beta and gamma emitters in spent ion exchange resin	DTM-DECOM III	<a href="#">View document</a>
NKS-458	Apr 2022	Jens Havskov Sørensen (co-ordinator), Henrik Feddersen, Kasper Skjold Tølløse, Rostislav Kouznetsov, Mikhail Sofiev, Andreas Uppstu, Heiko Klein, Magnus Ulimoen, Lennart Robertson, Jan Pehrsson, Bent Lauritzen, Dan Bohr, Agnieszka Hac-Heimburg, Carsten Israelson, Einar Améen, Anna Maria Blixt Buhr, Jonas Lindgren, Tuomas Peltonen: SOurce CHAracterizatiOn accounting for meTeorological unCertainties (SOCHAOTIC) – first-year report	SOCHAOTIC	<a href="#">View document</a>

## 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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The NKS Secretariat can be contacted on [nks@nks.org](mailto:nks@nks.org).

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