

Nordic Nuclear and Radiation Risk Estimates - Advances and Uncertainties

Joint NKS-R and NKS-B Seminar, Finlandshuset (www.finlandshuset.se), Snickarbacken 4, Stockholm, 15-16 January 2019 (5th announcement)

NKS proudly announces a new joint NKS-R and NKS-B seminar, which is scheduled to start at 13:00 on the 15th of January and end at 15:30 on the 16th of January 2019.

We are thankful for the great interest that has been shown for this arrangement. Please note that we have limited space for participants, and the registration deadline is rapidly approaching.

The seminar objectives will be broad and focus on considerations of risk in different types of nuclear and radiological cases. The presentations will be given by representatives of consortia in recent NKS projects and by internationally renowned invited speakers covering a wide range of topics.

The opening key lecture will be given by Dr Claire Cousins, chair of ICRP.

The main topical sessions relate to risk processes at power plants, risks to the population from accidental releases to the environment, and challenges in decommissioning, a topic of considerable importance over the next many years in Sweden, Finland, Norway and Denmark. Also different topics, including NORM, will be on the agenda.

The element of uncertainty will be maintained in focus in all presentations. Recent NKS work has attracted much attention internationally on for example uncertainty evaluation in accident risk aspect estimation, and methods to use this in decision-making and to communicate it to the public.

A newly updated complete version of the seminar program is available at the NKS website (www.nks.org).

The seminar will provide an overview of the current state of development in Nordic risk evaluation, both in relation to nuclear power production and in relation to radiation exposure in different other contexts, and particularly discuss recent advances, uncertainties, ideas for improvement and potential future NKS activities.

In the longer perspective, ideas and thoughts for future work and follow up from, e.g., industries, authorities, expert communities and NKS should be the outcome of the seminar.

We cordially invite you to come and take part in the discussions.

To register for this seminar, please go to the main NKS web page www.nks.org. There is no registration fee.

Poster call for this seminar

The seminar in Stockholm on 15-16 January 2019 will include a poster session. We warmly welcome poster presentations on recent NKS activities or on other topics related to the two NKS programme areas (to see what the two programmes cover, please visit the NKS-R <http://www.nks.org/en/nksr/> and NKS-B <http://www.nks.org/en/nksb/> homepages). This could be a good opportunity for young scientists to present their work, particularly as NKS can offer to cover the travel costs under the young scientist travel support programme.

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 applications, 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 applications.

To register your poster for the seminar, please write an abstract using the instruction template that can be downloaded from the main NKS webpage (<http://www.nks.org>), and submit it selecting 'Register now incl. poster presentation' on the same webpage. The deadline for poster registration is extended to 17 December 2018. Poster abstracts submitted before 5 December will be included in the official printed seminar book of abstracts. Poster abstracts submitted later will only be uploaded on the NKS website.

NEW: Journal paper on Nordic research and development cooperation to strengthen nuclear reactor safety after the Fukushima accident

NKS would like to draw your attention to a new publication in the Elsevier journal Nuclear Engineering and Technology, describing inter-Nordic collaboration focusing on the nuclear reactor safety research activities launched under the NKS-R programme in recent years addressing issues of relevance to the problems encountered worldwide in connection with the Fukushima accident.

To access the paper, click http://www.nks.org/download/Articles/nks-r_article_2018.pdf.

New Publications

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

NKS-409	Sep 2018	Markku Puustinen, Timo Pättikangas, Pavel Kudinov: COPSAR-NKS Project; Summary report 2017	COPSAR	View document
NKS-410	Oct 2018	Pavel Kudinov, Sergey Galushin, Dmitry Grishchenko, Sergey Yakush, Anders Riber Marklund, Ola Bäckström: Scenarios and Phenomena Affecting Risk of Containment Failure and Release Characteristics	SPARC	View document
NKS-411	Oct 2018	Anna Nieminen (ed.), Veikko Taivassalo, Magnus Strandberg, Tero Tyrväinen, Ilkka Karanta: Phenomena Threatening Containment Integrity in Deterministic and Probabilistic analyses and integration of PRA levels 1 and 2	SPARC	View document
NKS-413	Dec 2018	Huaiqian Yi, Christophe Deamzière, Paolo Vinai, Jaakko Leppänen: Development of a hybrid neutron transport solver in 2 energy groups – final report	HYBRID	View document

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

NKS-412	Dec 2018	H. Ramebäck, S. P. Nielsen, N. Marcovic, A. Rand, T. Bjerk, R. Pöllänen, K. Guðnason: GammaRay 2018 Proceedings: Seminar for users of gamma ray spectrometry	GammaRay 2018	View document
NKS-414	Dec 2018	H. Toivonen, H. Ramebäck, M. Granström, S. Ihanola, G Jónsson, M. Ilkov, M. Kilkki: Activity estimation of shielded or hidden radionuclides in emergency conditions: Impact of environmental conditions	RadShield	View document

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.
To unsubscribe to NKS NewsFlashes, please contact the NKS Secretariat.