

## Upcoming seminars in 2020

There were two NKS-R seminars/workshops scheduled for 2020. BREDA/BRUTE seminar was postponed due to COVID-19 and will be organized in September.

### **BREDA/BRUTE:**

Reactor pressure vessel embrittlement seminar for the BREDA - BRUTE project. Ensuring safe operation and the durability of the reactor pressure vessel is one of the most important tasks for nuclear power plants. In the BRUTE project the radiation embrittlement of the B2 vessel is investigated and compared to the surveillance program. The seminar will present and discuss the latest results from VTT, KTH and Chalmers. The seminar will take place as an online seminar on September 22<sup>nd</sup>, 2020. Registration can be found here [https://www.lyyti.in/BRUTE\\_seminar\\_220920](https://www.lyyti.in/BRUTE_seminar_220920). For updated information, please also keep an eye on the NKS upcoming seminars webpage [http://www.nks.org/en/seminars/upcoming\\_seminars/upcoming\\_seminars.htm](http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm), Announcements of update information will also be made through NKS NewsFlashes.

**PROSAFE:** The purpose of the meeting is to discuss tentative results of the PROSAFE project, finalization of the project and reports, and possible needs for further work. The seminar will be held as an online seminar on December 3<sup>rd</sup>, 2020. For updated information, please keep an eye on the NKS upcoming seminars webpage [http://www.nks.org/en/seminars/upcoming\\_seminars/upcoming\\_seminars.htm](http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm), Announcements of update information will be made through NKS NewsFlashes.

There were four NKS-B seminars/workshops scheduled for 2020. However, due to the Corona restrictions on travel, meeting space, etc. these have all been postponed:

**GAMMARAY X:** Seminar for users of gamma spectrometry in the Nordic countries, also involving intercomparison exercises. The seminar has been postponed to 2021 – the exact date is yet to be announced. The deadline for reporting the results of the announced sample intercomparison is extended to 15 January 2021 (see Gamma Wiki webpage). For updated information, please keep an eye on the NKS upcoming seminars webpage [http://www.nks.org/en/seminars/upcoming\\_seminars/upcoming\\_seminars.htm](http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm), and the GammaWiki webpage [http://halla.gr.is/wiki/GammaWiki/index.php/GammaRayX\\_2020](http://halla.gr.is/wiki/GammaWiki/index.php/GammaRayX_2020). Announcements of update information will also be made through NKS NewsFlashes.

**RAD-MERDE:** Workshop on alpha spectrometry, inviting all interested scientists and students from Scandinavia to present their work and network with other alpha spectrometry users. The seminar has been postponed to 2021 – the exact date is yet to be announced. For updated information, please keep an eye on the NKS upcoming seminars webpage [http://www.nks.org/en/seminars/upcoming\\_seminars/upcoming\\_seminars.htm](http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm). Announcements of update information will also be made through NKS NewsFlashes.

**NUCSEM:** Seminar on implications of use of nuclear weapons towards a Nordic country: Scenarios, impact assessments and protective measures. The seminar has been postponed to 2021 – the exact date is yet to be announced. For updated information, please keep an eye on the NKS upcoming seminars webpage [http://www.nks.org/en/seminars/upcoming\\_seminars/upcoming\\_seminars.htm](http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm). Announcements of update information will also be made through NKS NewsFlashes.

**CRESCENT:** Two workshops on credible release scenarios for nuclear-powered vessels operating in Nordic waters. The workshops have been postponed to 2021 – the exact date is yet to be announced. For updated information, please keep an eye on the NKS upcoming seminars webpage [http://www.nks.org/en/seminars/upcoming\\_seminars/upcoming\\_seminars.htm](http://www.nks.org/en/seminars/upcoming_seminars/upcoming_seminars.htm). Announcements of update information will also be made through NKS NewsFlashes.

## New Publications

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

NKS-426	July 2019	Patrick van Hees, Simo Hostikka, Topi Sikanen, Dan Lauridsen, Sebastian Levin: Determination of Fire Barriers reliability for fire risk assessment of Nuclear Power Plants. (FIREBAN) – Final Report	FIREBAN	<a href="#">View document</a>
NKS-427	Oct 2019	Tobias Bolinder, Alexander Eriksson, Jonas Faleskog, Irene Linares Arregui, Martin Öberg, Bård Nyhus: WRANC, Warm Pre-Stressing – Validation of the relevance of the main mechanisms behind Warm Pre-Stressing in assessment of nuclear components	WRANC	<a href="#">View document</a>
NKS-428	Oct 2019	Weimin Ma, Walter Villanueva, Sevostian Bechta, Qiang Guo, Andrei Komlev, Mohsen Hoseyni, Peng Yu, Anna Korpinen, Veikko Taivassalo, Tero Tyrväinen, Ilkka Karanta, Anders Riber Marklund, Sergey Galushin, Ola Bäckström: Scenarios and Phenomena Affecting Risk of Containment Failure and Release Characteristics	SPARC	<a href="#">View document</a>
NKS-431	Feb 2020	Pål Efsing, Magnus Boåsen, Ulla Ehrnstén, 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; Summary of 2019 activities	BREDA-RPV	<a href="#">View document</a>
NKS-432	Feb 2020	Tero Tyrväinen, Ilkka Karanta, Terhi Kling, Xuhong He, Frida Olofsson, Ola Bäckström, Salvatore Massaiu, Erik Sparre, Carl Eriksson, Erik Cederhorn, Stefan Authén: Prolonged Available Time and Safe States	PROSAFE	<a href="#">View document</a>
NKS-434	April 2020	Vilma Ratia, Leena Carpén, Elisa Isotahdon, Cem Örneek, Fan Zhang, Jinshan Pan: Corrosion of copper in sulphide containing environment: the role and properties of sulphide films - Annual report 2019	COCOS	<a href="#">View document</a>
NKS-438	June 2020	Fredrik Espegren, Teemu Kärkelä, Anna-Elina Pasi, Unto Tapper, Jon-Petter Omtvedt, Christian Ekberg: Main Outcomes of the TETRA Project on Tellurium Chemistry in a Severe Accident	TETRA	<a href="#">View document</a>

NKS-439	June 2020	Pavel Kudinov, Xicheng Wang, Dmitry Grishchenko, Markku Puustinen, Antti Räsänen, Eetu Kotro, Kimmo Tielinen, Timo Pättikangas, Ari Silde: Thermal Hydraulic Phenomena of the Suppression Pool	THEOS	<a href="#">View document</a>
NKS-440	July 2020	Weimin Ma, Peng Yu, Yangli Chen, Sachin Thakre, Yan Xiang, Qiang Guo, Yucheng Deng, Andrei Komlev, Walter Villanueva, Sevostian Bechta, Tuomo Sevón, Sara Ojalehto, Anna Korpinen: Scenarios and Phenomena Affecting Risk of Containment Failure and Release Characteristics	SPARC	<a href="#">View document</a>

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

NKS-429	Jan 2020	Anumaija Leskinen, Merja Tanhua-Tyrkkö, Tommi Kekki, Susanna Salminen-Paatero, Wenzhong Zhang, Xiaolin Hou, Filippa Stenberg Bruzell, Tommy Suutari, Satu Kangas, Satu Rautio, Cato Wendel, Marie Bourgeaux-Goget, Solveig Stordal, Pascal Fichet, Celine Gautier: Intercomparison exercise in analysis of DTM in decommissioning waste	DTM-DECOM	<a href="#">View document</a>
NKS-430	Jan 2020	Jens Havskov Sørensen (co-ordinator), 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-433	Mar 2020	Christopher L. Rääf (chair), Robert R. Finck (co-chair), Vikas C. Baranwal, Antanas Bukartas, Marie-Andrée Dumais, Kjartan Guðnason, Yvonne Hinrichsen, Gísli Jónsson, Mattias Jónsson, Peder Kock, Sune Juul Krogh, Simon Karlsson, Frode Ofstad, Jan Steinar Rønning, Petri Smolander, Kasra Tazmani, Mikael Westin: SHIELDMORC– Detection distances and methods to locate orphan gamma radiation sources in shielded building geometries by mobile gamma spectrometry	SHIELD-MORC	<a href="#">View document</a>
NKS-435	May 2020	Mari Komperød, Francisco Piñero García, Kjartan Guðnason, Louise Kiel Jensen, Meerit Kämäräinen, Per Roos, Hilde Kristin Skjerdal: Natural Radioactivity in Nordic Fish and Shellfish – Final report	NANOD	<a href="#">View document</a>
NKS-436	May 2020	Xiaolin Hou, Maria Anderot, Lina Ekerljung, Susanna Salminen-Paatero, Grzegorz Olszewski, Helene Öhlin, Maria Davidsson, Filippa Bruzell, Annika Tovedal, Satu Rautio, Stefan Allard, Antti Hatakka, Susanna Wijk, Mats Eriksson, Hanna Åberg, Erika Settervik, Tommy Suutari, Anna Vesterlund, Patric Lindahl, Satu Kangas, Petri Hovi: Determination of important alpha emitters in nuclear and environmental samples –	OPTI-METHOD	<a href="#">View document</a>

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Martin Hjellström, Mats Isaksson, Christopher L. Rääf, Lavrans Skuterud, Håvard Thørring, Tiina Torvela: Radioecological transfer factors for Nordic subpopulations for assessment of internal committed dose from atmospheric fallout of radiocaesium

ECONORMS

[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.

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