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## NKS-R Call for Proposals 2010

13 proposals for NKS-R activities were received before the deadline on October 1st. Of these, 7 were applications for continuation of ongoing activities and 1 application was considered as a cross-over activity between the NKS-R and NKS-B programmes.

The total amount requested was **5 280 kDKK** from an expected budget of **2 500 kDKK**

## NKS-B Call for Proposals 2010

15 proposals for NKS-B activities were received before the deadline on October 1st. Of these, 4 were applications for continuation of ongoing activities and 1 application was considered as a cross-over activity between the NKS-R and NKS-B programmes.

The number of proposals submitted under the NKS-B areas of interest are as follows:

**Emergency preparedness** (proposed: 7 activities, 2 330 kDKK in total)

**Measurement technology and strategy** (proposed: 6 activities, 2 492 kDKK in total)

**Radioecological assessments** (proposed: 1 activity, 340 kDKK in total)

**Waste and discharges** (proposed: 1 activity, 150 kDKK in total)

The total amount requested was **5 312 kDKK** from an expected budget of **2 500 kDKK**

## Upcoming Seminars

**The 4<sup>th</sup> and final project seminar within the NKS project "The Validity of Safety Goals" will be held in Stockholm on January 13, 2010**

This project was initiated in 2006 with the aim to discuss and document current views on the definition, application and use of probabilistic safety criteria, including both benefits and problems. The seminar will give an overview of the work performed during all four project years, with a focus on presenting the activities during the final project year and on the presentation and discussion of the guidance document prepared, "Guidance for the Definition and Application of Probabilistic Safety Criteria".

**Contact person :**

Michael Knochenhauer ([michael.knochenhauer@relconscandpower.com](mailto:michael.knochenhauer@relconscandpower.com))

## Recent Seminars

**NKS-B GammaSem seminar - Nordic seminar for users of gamma spectrometry  
Kjeller, Norway  
16-17 September, 2009**

Organised by the Institute for Energy Technology (IFE), Risø National Laboratory for Sustainable Energy, Denmark; Radiation and Nuclear Safety Authority (STUK), Icelandic Radiation Protection Institute, National Institute of Radiation Protection, Denmark

With 75 participants from 34 different institutes taking part, the GammaSem seminar provided a forum for discussions and sharing of information on practical issues concerning gamma spectrometry. The seminar covered topics based on the participants' own experience in gamma spectrometry with an emphasis on common problems/challenges often encountered. The seminar was opened with a presentation by Dr.

Gordon Gilmore entitled "Does our software tell us the truth (or should we burn the Black Box)?" aimed at encouraging users not to trust their spectrum analysis programs uncritically. At the conclusion of the seminar working groups were set up on the following topics:

Uncertainties and detections of limits

True summing coincidence

Monte Carlo simulations and efficiency transfer

Absorption (density corrections and geometries)

Mobile gamma spectrometry systems

Nuclear forensics (on special samples and special parts of the spectra)

Pdfs of all the presentations made at this seminar can be downloaded [here](#).

The seminar webpage can be viewed [here](#).

**Contact persons:**

Paula Nunez ([paulan@ife.no](mailto:paulan@ife.no))

Sven P. Nielsen ([sven.nielsen@risoe.dk](mailto:sven.nielsen@risoe.dk))

Sigurður Emil Pálsson ([sep@gr.is](mailto:sep@gr.is))

Carsten Israelson ([cis@sis.dk](mailto:cis@sis.dk))

Seppo Klemola ([seppo.klemola@stuk.fi](mailto:seppo.klemola@stuk.fi))

**NKS-B NordDSS workshop - Nordic workshop for users of Decision Support Systems (DSS)**

**Copenhagen, Denmark**

**1-2 October 2009**

The aim of NordDSS workshop was to gather users of decision support systems (DSS) from the Nordic region, and jointly share information and knowledge on how these systems are used in the different emergency preparedness organisations. The workshop was organised by Norway (NRPA), Sweden (SSM), Finland (STUK) and Denmark (DEMA), and had 23 participants from 10 different countries.

The workshop was organised into three sessions. The first session was a Nordic session with presentations from the four organising countries followed by a plenary discussion. The second session was dedicated to international presentations on the use of DSS in Germany, Poland, Australia, Brazil and Canada. The last session looked at more in-depth use of DSS, and what can be expected from the systems in the future.

Pdfs of all the presentations made at this seminar can be downloaded [here](#).

**Contact persons:**

Jan Erik Dyve, NRPA (Norway), [jan.erik.dyve@nrpa.no](mailto:jan.erik.dyve@nrpa.no), +47 67 16 26 48

Michael Ammann, STUK (Finland), [Michael.ammann@stuk.fi](mailto:Michael.ammann@stuk.fi)

Jonas Lindgren, SSM (Sweden), [jonas.lindgren@ssm.se](mailto:jonas.lindgren@ssm.se)

Steen Hoe, DEMA (Denmark), [hoe@beredskabsstyrelsen.dk](mailto:hoe@beredskabsstyrelsen.dk)

**NKS-R NOMAGE4 seminar**

**Studsvik, Sweden**

**15-16 October 2009**

Two organizations, Studsvik from Sweden and VTT from Finland jointly organized a common NKS and Vattenfall seminar on Generation IV Nuclear Energy Systems. The aim of the seminar was to provide a forum for exchange of information, discussion on future research needs and networking of experts on Generation IV reactor concepts.

During the two seminar days, there was an active presence of all nuclear fission stakeholders in the audience:

- nuclear research organizations (public and private)
- systems suppliers (e.g. vendors, engineering companies, etc)
- energy providers (e.g. electric utilities, heat vendors, etc)
- education and training institutions, and, in particular, the universities
- the civil society and the international institutional framework (Euratom).

The first seminar day was dedicated to the most important material issues for the GenIV reactor systems and invited speakers presented the latest research activities and the cross cutting issues for different GenIV systems including:

- the supercritical water cooled reactor system (SCWR)
- the sodium cooled fast reactor system (SFR)
- the lead cooled fast reactor system (LFR) and
- the gas cooled reactor system

On both days over 50 participants from Sweden, Finland, Norway and Denmark followed oral presentations, a poster session and a panel discussion have been hold where the vision for the future of the network as well as the feed-back from the members related to the needs for a Nordic Gen IV Facility and Training Center and for new materials such as ODS steels have been discussed.

The next NOMAGE4 seminar will be held in 2010 in Lappeenranta (Finland). Further information will be present soon on our website: [www.studsvik.se/GenerationIV](http://www.studsvik.se/GenerationIV)

The presentations can be downloaded from our website [www.studsvik.se/GenerationIV](http://www.studsvik.se/GenerationIV) by clicking on the NOMAGE4 atom picture (or by opening the headline Activities) with the following user name and password:

Username: generation4

Password: nomage

For information about NOMAGE4 and the seminar please contact:

Clara Anghel, Studsvik Nuclear AB

Email: [clara.anghel@studsvik.se](mailto:clara.anghel@studsvik.se)

## New Publications

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

NKS-204	October 2009	T. Kärkelä et al: <i>Experimental study on iodine chemistry (EXSI) - Containment experiments with elemental iodine</i>	NKS-R / NROI	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-203	October 2009	Makoto Tsuiki and William H. Beere: <i>Improving Accuracy of the Calculation of In-core Power Distributions for Light Water Reactors</i>	NKS-R / IACIP	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-202	August 2009	Johan Westin et al: <i>Stratification issues in the primary system. Review of available validation experiments and State-of-the-Art in modelling capabilities (StratRev)</i>	NKS-R / StratRev	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-201	August 2009	Justin P. Gwynn and Patrick Isaksson: <i>Proceedings of the NKS-R and NKS-B Joint Summary Seminar</i>	NKS-R and NKS-B	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-200	August 2009	Jani Laine and Markku Puustinen: <i>PPOOLEX Experiments on Wall Condensation</i>	NKS-R / POOL	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-199	August 2009	Jani Laine, Markku Puustinen, Antti Räsänen: <i>PPOOLEX Experiments with a Modified Blowdown Pipe Outlet</i>	NKS-R / POOL	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-198	August 2009	Markku Puustinen, Jani Laine, Antti Räsänen: <i>PPOOLEX Experiments on Thermal Stratification and Mixing</i>	NKS-R / POOL	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-197	July 2009	Paolo F. Fantoni: <i>Wire System Ageing Assessment and Condition Monitoring (WASCO)</i>	NKS-R / WASCO	<a href="#">Abstract</a>	<a href="#">Full text</a>

NKS-196	July 2009	H. Li and P. Kudinov: <i>GOTHIC code simulation of thermal stratification in POOLEX facility</i>	NKS-R / POOL	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-195	July 2009	Jan-Erik Holmberg and Michael Knochenbauer: <i>Probabilistic Safety Goals. Phase 3 - Status Report</i>	NKS-R / Safety Goals	<a href="#">Abstract</a>	<a href="#">Full text</a>

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

NKS-206	November 2009	Inger Margrethe H. Eikelmann and Øyvind G. Selnæs (Editors): <i>Final report from the NKS NordThreat seminar in Asker, Norway 30 and 31 October 2008</i>	NordThreat	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-205	October 2009	Xiaolin Hou et al: <i>Speciation Analysis of Radionuclides in the Environment - NKS-B SPECIATION project report 2009</i>	SPECIATION	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-201	August 2009	Justin P. Gwynn and Patrick Isaksson: <i>Proceedings of the NKS-R and NKS-B Joint Summary Seminar</i>	NKS-B and NKS-R	<a href="#">Abstract</a>	<a href="#">Full text</a>

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This NewsLetter together with additional information on NKS and its activities can be found on [www.nks.org](http://www.nks.org).  
The NKS Secretariat can be contacted on [nks@nks.org](mailto:nks@nks.org).  
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