

## Upcoming Seminars

### **NKS-B MareNuc**

**Nordic workshop for authorities, organisations and institutions relevant for assessing health and environmental consequences of accidents and incidents involving nuclear-propelled vessels and floating power reactors**

**25-26 of August 2011, Icelandic Coast Guard's conference facilities, Keflavík Airport, Iceland**

There is no well-defined system for classification of accidents associated with naval reactors in general as for civilian power plants. For civilian facilities of similar size, the reference accident used as a basis for further analysis varies between a Design Basis Accident describing complete and partial meltdown followed by water/ aluminium interaction and loss of mitigating systems. Considering the fact that neighbouring countries may soon embark upon construction of a new generation of naval reactors, there is a need to systemize the approach for assessing possible consequences of accidents in relation to these installations. Floating power reactors also involve new safety challenges that need to be discussed.

A first workshop was held in October 2010, from which results will be presented for further discussions and put into a larger context considering plans for further construction of new types of vessels, areas of operations, and types of facilities.

The programme for the second MareNuc workshop is available [here](#).

To register for this workshop please contact Sigurður Emil Pálsson [sep@gr.is](mailto:sep@gr.is)

### *Accommodation*

Participants at the seminar can get accommodation at a reduced rate at Icelandair Hotel Keflavik (single ISK 13.700, double ISK 16.700). Participants are requested to contact the hotel directly to confirm their booking using the reference Mare Nuc 2011. The rate is valid from Wednesday August 24th - Saturday August 27th. Please note that in most cases participants from abroad will not be able to catch a suitable flight until Saturday morning.

More information on the NKS-B MareNuc activity will be obtainable from <https://www.gr.is/nks-b/marenuc/>

For more information on the events and the initiative as a whole, please contact the coordinator of the activity: Ole Reistad ([o.c.reistad@fys.uio.no](mailto:o.c.reistad@fys.uio.no))

**Special offer** for those who would like to attend the NSFS conference in Reykjavík, August 22nd-25th

Please note that the MareNuc seminar will be held directly following the NSFS conference in Reykjavík, August 22nd-25th. Those who register for the MareNuc seminar will be allowed to register for the NSFS conference at the lower advance registration rate. For more information on the registration and logistics, please contact the local co-ordinator: Sigurður Emil Pálsson ([sep@gr.is](mailto:sep@gr.is))

For more information on the NSFS conference: <http://www.yourhost.is/nsfs-2011/>

## **NORDIC PSA CONFERENCE**

### **Castle Meeting 2011**

**5-6 of September 2011, Johannesberg Castle, Sweden**

The Nordic PSA Conference Castle Meeting 2011 will take place in Sweden on 5-6 September 2011. The

conference is held every 18 months as a recurring part of the Nordic PSA Group activities, and will this time be arranged by Scandpower AB. The conference is held at the Johannesburg Castle, within easy reach of Stockholm Arlanda Airport.

#### *Conference Themes*

Papers are invited within the following themes:

- PSA in relation to stress tests performed for European NPP:s after the Fukushima accident
- Analysis of high consequence events with large uncertainties, e.g., external hazards
- PSA harmonization and standards; PSA quality and transparency
- Connections between PSA and deterministic safety analysis
- PSA applications and risk informed approaches

#### *Registration and information*

Web registration [www.riskspectrum.com/NordicPSA2011](http://www.riskspectrum.com/NordicPSA2011)

Contact [michael.knochenhauer@scandpower.com](mailto:michael.knochenhauer@scandpower.com)

### **NKS-B PIANOLIB**

#### **Phantom-based intercomparison among Nordic whole body counters**

**15-16 of September 2011, University of Gothenburg, Sweden**

During 2010 and 2011 the Nordic Nuclear Safety Research has sponsored the NKS-B activity PIANOLIB with the aims of evaluating the quality status of whole body counting and setting up a library website for sharing calibration phantoms in the Nordic region.

The workshop will be bringing together the participants to review and discuss the results of a whole body counting intercomparison exercise. The PIANOLIB workshop will also feature presentations by invited speakers, Didier Franck (IRSN) and Rodolfo Cruz Suárez (IAEA).

Participants are welcome to bring oral presentations (10 – 15 min). Please state that you would like to give a presentation in the registration form.

The registration form for the workshop can be downloaded [here](#).

Please send your registration form via email to Mats Isaksson, [mats.isaksson@radfys.gu.se](mailto:mats.isaksson@radfys.gu.se)

Further information on the workshop can be found [here](#) or via the co-ordinator, Lilián del Risco Norrliid, [lilian.delrisco.norrliid@ssm.se](mailto:lilian.delrisco.norrliid@ssm.se)

### **NKS-B GammaWorkshops: Nordic workshops for users of gamma spectrometry**

**A series of linked workshops on gamma spectrometry, following up issues identified at the two GammaSem seminars, held in 2009 and 2010.**

**26-28 of September 2011, Risø National Laboratory for Sustainable Energy, Roskilde, Denmark**

The GammaWorkshops enables the users to address the problems in gamma spectrometry they find most pressing, through lectures and practical exercises in addition to sharing their experience with others in a similar position. The topics covered by GammaWorkshops are:

- Matrix and absorption corrections
- True Coincidence Summing (TCS) corrections
- Natural radionuclides
- Uncertainties and detection limits

It is possible to attend all the sessions or just some of them. The lecturers/instructors include leading experts in the field, Dr. Menno Blaauw (True Coincidence Summing corrections), Dr. Tim Vidmar (matrix and absorption corrections), Dr. Kaj Heydorn (the ISO-11929:2010) and Dr. Tuukka Turtiainen (natural radionuclides).

Participants are encouraged to bring their own computers, with the software installed they usually use for gamma spectrometry. In some of the sessions relevant software and/or data for demonstration and practice will be distributed.

### *Registration*

For registration please download and fill out the [registration form](#) and then send it to [sep@gr.is](mailto:sep@gr.is)

Please submit your registration as early as possible.

### *Accommodation*

A group booking has been made for the workshop participants at the [Scandic Hotel](#) in Roskilde between the 25<sup>th</sup> and 28<sup>th</sup> of September at the rate of 960 DKK per night incl. breakfast. Participants are requested to contact the hotel directly to confirm their booking by the 31<sup>st</sup> of August using the reference RIS250911. Please inform the contact person of the local organizers Ms. Majbritt Nielsen ([majb@risoe.dtu.dk](mailto:majb@risoe.dtu.dk)) when you have made the hotel booking.

For more information including the timetable for GammaWorkshops please visit the NKS-B GammaWiki web site: <https://www.gr.is/wiki/GammaWiki/>

Contact persons are Henrik Ramebäck ([henrik.ramebeck@foi.se](mailto:henrik.ramebeck@foi.se)) and Sigurður Emil Pálsson ([sep@gr.is](mailto:sep@gr.is))

## **NKS-R DIGREL SEMINAR - PREANNOUNCEMENT** **Guidelines for reliability analysis of digital systems in PSA context**

**October 2011 (exact date to be set), Espoo, Finland**

An NKS-R DIGREL seminar will be held in the fall 2011. The exact date is still open but we propose 24<sup>th</sup> or 25<sup>th</sup> October (one day seminar). The venue is VTT, Espoo.

The OECD/NEA WGRISK task group is a parallel activity to the NKS/DIGREL project on "Guidelines for reliability analysis of digital systems in PSA context". The WGRISK/DIGREL task group will meet in connection to the seminar, so the Nordic experts will have a chance to meet PSA/I&C experts from other countries. Our aim is to present the progress of the task group as well as the progress in the NKS/DIGREL project.

Contact [Jan-Erik.Holmberg@vtt.fi](mailto:Jan-Erik.Holmberg@vtt.fi)

## **DPSA WORKSHOP** **Workshop on Deterministic/Probabilistic Safety Analysis**

**3-5 of October 2011, Espoo, Finland**

Welcome to a workshop on Deterministic/Probabilistic Safety Analysis!

Main questions to be discussed are:

- How to integrate deterministic and probabilistic methods in a consistent manner?
- How to handle the problem of uncertainties in safety analyses?
- How to handle the decision making where compromises are needed (for example between safety requirements, cost—safety respectively safety—complexity)

The objective with the workshop is to prepare a joint research agenda on deterministic/probabilistic safety analysis for the coming 3-4 years.

### *Key Note Speakers*

Tunc Aldemir, Ohio State University, US  
"Dynamic Probabilistic Safety Assessment (DPSA) - Methods and Issues?"

Truc-Nam Dinh, Idaho National Lab (INL), US  
"A Next-Generation Safety Analysis Code"

Wiktör Frid, Swedish Radiation Safety Authority (SSM), Sweden

“A view of a Regulator on application of Dynamic PSA”  
Martin Zimmermann Paul Scherrer Institut (PSI), Switzerland  
“Can we measure Changes of Safety Margins in Nuclear Power Plants?”

*Technical, scientific program committee*  
Yvonne Adolfsson, Scandpower, Sweden  
Jan Erik Holmberg, VTT, Finland  
Göran Hultqvist, Forsmark Nuclear Power Plant, Sweden  
Pavel Kudinov, Royal Institute of Technology, Sweden  
Ilkka Männistö, VTT, Finland

*Registration and information (deadline for registration 30<sup>th</sup> August 2011)*  
<http://www.riskspectrum.com/en/risk/Events/DPSA/>

Contact  
[dpsa-workshop@scandpower.com](mailto:dpsa-workshop@scandpower.com)

## **NKS-R NOMAGE4 Nordic Nuclear Materials Forum for Generation IV Reactors**

**31st October - 1st November 2011, Halden, Norway**

You are invited to participate to a 2 days seminar with focus on material challenges for Generation IV nuclear energy systems to be held at Halden, Norway, 31st October – 1st November 2011. Please see the [attached file](#) for more information.

Invited foreign lecturers will present their Gen IV R&D projects, both national and EU projects as well as GIF. You are welcome to participate and present your GenIV activities. A preliminary agenda for the seminar will be available by the end of June.

Information available also on the website [www.studsvik.com/Generation\\_IV](http://www.studsvik.com/Generation_IV)

For more information on the event, please contact the coordinator of the activity, Anna-Maria Alvarez Holston [anna-maria.alvarez@studsvik.se](mailto:anna-maria.alvarez@studsvik.se).

Download registration form:  [registration\\_form\\_nomage4.doc](#) (41.5 KB)

## **New Publications**

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

NKS-249	June 2011	Timo Pättikangas, Jarto Niemi, Antti Timperi: Numerical modelling of pressure suppression pools with CFD and FEM codes	POOL	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-248	June 2011	H. Li, P. Kudinov, W. Villanueva: Development and Validation of Effective Models for Simulation of Stratification and Mixing Phenomena in a Pool of Water	POOL	<a href="#">Abstract</a>	<a href="#">Full text</a>
NKS-247	May 2011	M. Ekelund, P.F. Fantoni, U. W. Gedde: Wire System Ageing Assessment and Condition Monitoring (WASCO)	WASCO	<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-	August	Asgeir Drøivoldsmo, Jan Porsmyr, Espen	PONPP	<a href="#">Abstract</a>	<a href="#">Full text</a>
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This NewsFlash 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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