

# NORDROCS 2016

10<sup>th</sup> anniversary

6<sup>th</sup> Joint Nordic Meeting  
on Remediation  
of Contaminated Sites

First Call  
for Abstracts

Due  
January 31  
2016

Photo: Aalto University

5-8 September 2016, Aalto University, Espoo, Finland

# **The Nordic countries hereby invite you to NORDROCS 2016, the 6<sup>th</sup> Joint Nordic Meeting on Remediation of Contaminated Sites to be held at Aalto University, Finland, on September 5-8, 2016.**

There has already been five successful NORDROCS conferences: Malmö (2006), Helsinki (2008), Copenhagen (2010), Oslo (2012) and Stockholm (2014). Thus, 2016 will be the jubilee year of NORDROCS.

## **OBJECTIVE**

The objective of NORDROCS is to address issues on the assessment and risk management of contaminated land and sediment in the context of Nordic conditions. The meeting intends to provide a forum for the exchange of information gathered through research and project experience. The conference is targeted to scientists, regulators, consultants, contractors, authorities and other professionals working with contaminated sites and sediments in Nordic countries and other countries in Northern Europe and around the Baltic Sea.

## **ABSTRACT AND PAPER SUBMISSION**

We welcome abstracts in English by January 31, 2016. Abstracts will be assessed by a Review Committee. More information on submission of abstracts can be found on the conference web page: [www.nordrocs.org](http://www.nordrocs.org)

Oral and poster presentations will be selected based on the Review Committee's recommendations. A short paper needs to be prepared of each submission accepted for oral presentation. The corresponding author of each abstract will be informed on the acceptance.

## **NORDIC ORGANIZING COMMITTEE**

<b>Jaana Sorvari</b>	Prof. (Assoc.), Aalto University, School of Engineering
<b>Peter Harms-Ringdahl</b>	M.Sc., Environmental Consultant, EMPIRIKON Konsult
<b>Arne Rokkjær</b>	M.Sc. (Eng.), The Capital Region of Denmark
<b>Steinar Sæland</b>	M.Sc., Multiconsult ASA

## **Assisting organizing committee**

<b>Johanna Jalonen</b>	M.Sc., Aalto University, School of Engineering
<b>Kim Yrjälä</b>	Prof. (Adj.), University of Helsinki, MUTKU board
<b>Paul S. Cappelan</b>	M.Sc., Norwegian Geotechnical Institute, NGI
<b>Lisbeth Verner</b>	Secretary of ATV Soil and Groundwater
<b>Vesa Isokauppila</b>	M.Sc., SITO
<b>Kimmo Järvinen</b>	M.Sc., Ramboll Finland

# PROGRAMME

The main topics below will be discussed in separate sessions. The subtopics are organizing committee's suggestions meant for an inspiration for the authors rather than to be a limitation. The first topic includes presentations by invited speakers, hence abstracts are invited to topics 2-10.

## TOPICS

1. Introduction to the conference: EU perspective
  - a. Legislation
  - b. Status report
  
2. State of the art
  - a. Risk assessment
  - b. Sustainability approach
  
3. Circular economy and sustainability
  - a. How to consider and implement the idea of circular economy in the risk management of contaminated land
  - b. Practical solutions (land use planning, remediation)
  
4. Land use planning
  - a. Databases, open information
  
5. Indoor air
  - a. Radon
  - b. Specific contaminants, chlorinated solvents etc.
  - c. Investigation and remediation
  
6. Specific types of contaminated sites and solutions applied to those conditions
  - a. Mines
  - b. Landfills – historical and regulated
  - c. Shooting fields/ranges
  - d. Industrial areas, Brownfields
  - e. Shale: possibilities and risks
  - f. Sediments (marine, freshwater)

7. Different contaminants - properties, impact and risk assesment
  - a. PFOS, chlorinated solvents, pesticides, emerging contaminants, micro-plastics
8. Methods for site studies in soil, surfacewater, groundwater and sediments
  - a. Tools
  - b. Different geological investigation technologies
  - c. Sediments
9. Remediation technologies
  - a. Mixed contamination
  - b. In situ methods for remediation
  - c. Water, soil and sediment treatment
  - d. Landfills
10. Arctic perspective - current contaminants and remediation technologies

## **WORKSHOPS**

Separate workshops will be organized on September 5. The themes of the workshops are to be defined at a later stage. Any suggestions for suitable topics are most welcome!

## REVIEW COMMITTEE

<b>Jenny Norrman</b>	Prof. (Ass.), Dept. of Civil and Environmental Engineering Division of Geo Engineering, Chalmers University of Technology, Gothenburg, Sweden
<b>Mette Christophersen</b>	Ph.D., Head of Department, Ramboll, Denmark
<b>Håkan Rosqvist</b>	Ph.D., Head of Dept. & Innovation manager, Dept. Geo-Environment & Groundwater, Tyréns AB, Sweden
<b>Jussi Kuusola</b>	M.Sc., MUTKU board member, Finland
<b>Paul S. Cappelen</b>	MSc, Section Head Environmental Engineering dep., Norwegian Geotechnical Institute (NGI), Norway
<b>Mette M. Broholm</b>	Prof. (Assoc.), Department of Environmental Engineering, Technical University of Denmark (DTU)
<b>Morten Jartun</b>	Ph.D., Oslo Airport AS, Norway
<b>Kim Yrjälä</b>	Prof. (Adj.), Dept. of Biosciences, University of Helsinki, MUTKU board member, Finland

## KEYNOTE SPEAKERS

The keynote speakers will include experts mainly from Scandinavia, but also other countries and different continents will be represented.

## **EXHIBITION**

For companies interested in presenting their activities at NORDROCS 2016, an exhibition area is reserved right outside the conference rooms. This is the area for coffee breaks providing the exhibitors a very good opportunity to present their products and/or other material to the participants.

## **SOCIAL EVENTS**

The city of Espoo invites all the participants of NORDROCS 2016 to participate in the get together event in the evening of September 5. The event will be held in the beautiful Haltia Nature Center, located in the Nuuksio natural park.

A conference dinner will be organized on September 6. Information regarding the venue will be presented later on the conference web-page.

## **EXCURSIONS**

On September 8 you are invited to join an excursion in the capital area. More information about the excursions will be available on the web-pages by the end of 2015.

## **REGISTRATION**

Registration will open on January 2016.

## **SPONSORSHIPS**

Sponsorships are most welcome – min. 1 200 €. Logos of the sponsoring companies will be printed in the conference program and on the main screen during breaks. Please contact the conference secretariat at [nordrocs2016@confedent.fi](mailto:nordrocs2016@confedent.fi).

## **CONFERENCE LOCATION**

Aalto University, located in the capital area of Helsinki, brings together three disciplines: technology, economics and arts. The four schools of science and engineering are based in Otaniemi in Espoo, some 10 km from the center of Helsinki – less than 20 mins by bus with continuous bus flow.

The conference will be held in the main building of the former Helsinki University of Technology. The building was designed by the famous Finnish architect Alvar Aalto.





Venue  
Aalto University,  
Otakaari 1, Espoo  
[www.aalto.fi](http://www.aalto.fi)

Accommodation  
Radisson Blue Hotel,  
Otaranta 2, Espoo  
[www.radissonblu.com/en/hotel-espool](http://www.radissonblu.com/en/hotel-espool)



Conference get together at Haltia Nature Center,  
[www.haltia.com](http://www.haltia.com), Espoo, Nuuskio



© Photos: Haltia/ Mika Huisman

## More information:

[www.nordrocs.org](http://www.nordrocs.org)

The call for abstracts will be continuously updated on the web-page!



© Photo: Haltia/ Mika Huisman

NORDROCS 2016 is arranged by:



[www.mutku.fi](http://www.mutku.fi)

**ATV JORD OG GRUNDVAND**

[www.atv-jord-grundvand.dk](http://www.atv-jord-grundvand.dk)



[www.miljoringen.no](http://www.miljoringen.no)

Nätverket  
**Renare Mark**

[www.renaremark.se](http://www.renaremark.se)

We look forward to exciting days at the Aalto University!