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President: Prof. Odilio Alves-Filho, Norwegian University of Science and Technology, Norway  
Chairman: Prof. Trygve M. Eikevik, Norwegian University of Science and Technology, Norway  
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Assoc.Prof. Carl Gustav Berg, Åbo Akademi University, Finland  
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Dr. Jussi Manninen, Development Manager Energy, Pulp and Paper at VVT, Finland  
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Dr. Svetlana Goncharova-Alves, Mendeleev University of Chem Technology, Russia  
Prof. Patrick Perre, LERMAB-ENGREF, Nancy, France  
Prof. Bhaskar N. Thorat, Mumbai University, India  
Prof. Pedro Fito Maupoey, Universidad Politecnica de Valencia, Spain  
Assoc. Prof. Osvaldir P. Taranto, State University of Campinas, Brazil  
Assoc. Prof. Luis Segura, University of Bio-Bio, Chile  
Prof. Hironao Ogura, Chiba University, Japan  
Dr. Wijitha Senadeera, Queensland University of Technology, Australia  
Prof. Ireneusz Zbicinski, Lodz Technical University, Poland  
Prof. Stefan Heinrich, Hamburg University of Technology, Germany  
Prof. Evangelos Tsotsas, University of Magdeburg, Germany  
MSc. Ian C. Kemp, GlaxoSmithKline plc, UK  
Dr. Tadeusz Kudra, CANMET, Canada

#### Organizing Committee:

President: Prof. Trygve M. Eikevik, Norwegian University of Science and Technology, Norway  
Chairman: Prof. Odilio Alves-Filho, Norwegian University of Science and Technology, Norway  
Host Chairman: Assoc.Prof. Carl Gustav Berg, Åbo Akademi University, Finland  
Host Co-Chairman: Prof. Pekka Ahtila, Aalto University, Finland  
Members:

Dr. Henrik Holmberg, Aalto University, Finland  
Assoc. Prof. Roger Renström, Karlstad University, Sweden  
MSc. Michael Wahlberg, GE-Niro, Denmark

#### Language

The language in the NDC 2011 will be English without translation.

#### Correspondence NDC 2011

Norwegian University of Science and Technology (NTNU), Department of Energy and Process Engineering, Kolbjorn Hejes vei 1B, NO-7491 Trondheim, Norway

Fax: +47 73 593859

Conference website: [www.nordicdrying.com](http://www.nordicdrying.com)

Scientific program: Prof. Odilio Alves-Filho and Prof. Trygve M. Eikevik

Registration/abstracts/papers: Dr. Svetlana Goncharova-Alves, email: [post@nordicdrying.com](mailto:post@nordicdrying.com)

# Second Announcement Call for Paper Abstracts

## Fifth Nordic Drying Conference NDC 2011

#### Novelty drying and dewatering technologies:

- Product quality
- Enhanced processes
- Energy efficiency
- Environmentally friendly technologies
- Processes minimizing climate change

**Helsinki, Finland**  
**June 19 to 21, 2011**



**Aalto University**



The **NDC 2011** is the fifth dewatering and drying conference organized by the Nordic countries, which is represented by Norway, Denmark, Sweden, Iceland and Finland. The main purpose of the NDC 2011 is to provide forum for the exchange of technical and scientific information on drying and dewatering between the industry, academia, research centers and consulting agencies. Another aim is to promote the best drying and dewatering practices internationally and in the Nordic nations. The conference topics will be on better products, enhanced processes and technologies complying with the needs of the society, economy and industry. This includes solving current challenges on product quality, development, troubleshooting, improvements in energy utilization and minimizing the impact on environment, climate change, and ecological systems.

#### INVITATION FOR NORDIC DRYING CONFERENCE 2011

The conference is held every two years and alternates among the Nordic countries. The NDC 2011 will be locally organized by Aalto University and the Norwegian University of Science and Technology in the period from June 19 to 21, 2011.

We are glad to invite you to participate in the NDC 2011 to be held at Aalto University School of Science and Technology located at Otaniemi in Espoo that is located in the Helsinki metropolitan area and just 10 km from downtown.

The Aalto University is created by merging the Helsinki School of Economics, Helsinki University of Technology and the Helsinki University of Art and Design, which are leading and internationally renowned institutions. The School of Science and Technology has 250 professors and 15000 students making it the largest unit in Aalto University. A unique combination of education, study and business is densely packed into this small area of Otaniemi and has twice been chosen among the most innovative regions of Europe and has also been awarded the EU Award of Excellence. It has several head offices of Finland's largest companies, including Nokia that is found near Otaniemi.

#### CONFERENCE OUTLINE

- Welcome reception
- Plenary lectures
- Keynote lectures
- Oral presentations with full papers
- Technical and poster sessions
- Industrial session
- Closing ceremony

#### KEYNOTE LECTURES:

Recognized professors, scientists and professionals will lecture on:

- Global Perspectives in Innovative Drying Technologies
- Drying of Pet and Animal Feed
- Dewatering and Drying of Inorganic and Organic Materials
- Heat Pump Freeze Drying
- Fundamentals, Modeling and Optimization of Drying Processes
- Challenges in Atmospheric Freeze Heat Pump Drying and Intensification Processes
- Chemistry and Dewatering - Process Methods Enhancing Dewatering and Drying
- Special Topics

#### AWARDS

The following awards will be granted to candidates present at the Nordic Drying Conference:

- Distinguished contributions for the development of drying technology in the Nordic region
- Outstanding achievement and excellence in drying R&D
- Novelty and R&D among the papers, poster and industrial presentations at the NDC 2011

#### TOPICS FOR PAPERS, POSTERS AND INDUSTRIAL PRESENTATIONS

Conference sessions are planned and papers, posters and industrial presentations are requested on subjects related to dewatering and drying within the following areas:

- Current and future trends in drying and dewatering
- Theory, fundamentals, modeling and optimization
- Product quality and drying process control
- Drying and dewatering of foods, biomaterials and biomass
- Drying and dewatering of paper, textiles and other non-food products
- Heat pump drying and other innovative technologies
- Energy savings and environmental impact of drying and dewatering processes
- Drying process integration for energy production
- Drying and dewatering equipment design and scaling-up
- Stationary, forced and gravity moving bed dryers
- Direct and indirect steam dryers
- Vacuum and atmospheric freeze drying processes
- Enhanced dewatering in evaporation plants by heat treatment and crystallization
- Chemistry related to drying and dewatering – enhanced process and methods
- Improved dewatering by chemical additives
- Industrial drying and dewatering

#### CALL FOR ABSTRACTS AND PAPERS

You are invited to submit an abstract for papers (about 250 words) to the NDC 2011 that will be selected for oral and poster presentations. The accepted papers and posters will be printed for distribution at the conference. The abstracts should be sent by email as Microsoft Word file formatted as: A4, font Arial, size 12, containing: title of the paper, author(s) name(s), affiliation(s), address(es), phone, fax and email. Send the abstract to NDC 2011, Department of Energy and Process Engineering, Norwegian University of Science and Technology, Kolbjorn Hejes vei 1B, NO-7491 Trondheim, Norway.

#### THE DEADLINES:

**Title and abstract received**

Authors notified of acceptance

**Papers deadline**

Authors notified of acceptance of papers

Preliminary program

Registration and Get Together

Fifth Nordic Drying Conference

**January 20, 2011**

January 31, 2011

**February 28, 2011**

March 28, 2011

May 2, 2011

June 19, 2011

June 19 to 21, 2011

#### REGISTRATION FEE (EUROS) AND INFORMATION

Category:	Prior May 9, 2011	After May 9, 2011	On site
Keynote lecturers	300	450	450
Speakers and other participants	600	650	650
Students	300	350	350
Accompanying persons	200	250	250

The registration fees for speakers, other participants and students include access to all sessions, one copy of the book of abstracts, CD proceedings with all papers, posters and industrial presentations, all announced meals, coffee, tea and social events. Notice that the reduced fee is valid only before May 9, 2011. The accompanying person fee includes social events and conference dinner, except lunches. Separate payment will be required for the accompanying persons program.

**FAX**

To: NDC 2011

No: +47 73 59 38 59

Registration form

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

I plan to participate in the conference, please keep me informed

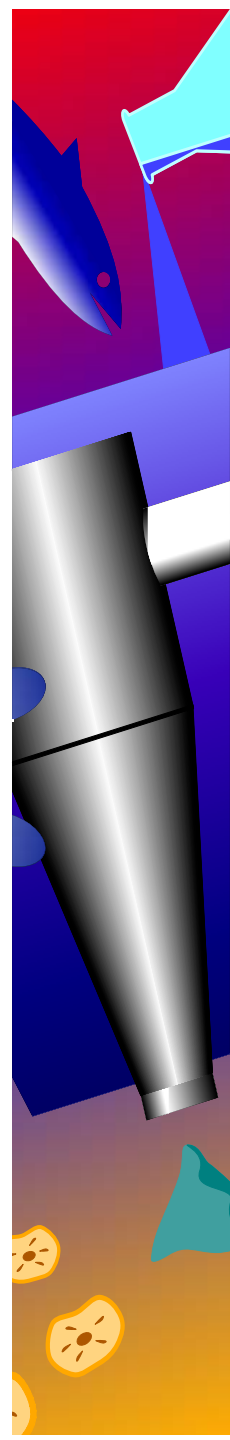
I am interested in the following topics: \_\_\_\_\_

I am interested in presenting paper(s) (titles): \_\_\_\_\_

I have enclosed abstract(s): \_\_\_\_\_

Observe that your registration also may be submitted on our website  
[www.nordicdrying.com](http://www.nordicdrying.com)

NDC 2011, NTNU, Kolbjorn Hejes vei 1B  
NO-7491 TRONDHEIM, NORWAY



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