

Announcement and Call for Abstracts

Second Nordic Baltic Drying Conference **NBDC 2017**

Experimental, Theoretical and Industrial Innovative Drying and Dewatering Technologies:

- Product quality
- Improved processes
- Energy efficiency
- Environmentally friendly processes
- Technologies harmonious with climate change

Hamburg, Germany

June 7 to 9, 2017



Scientific Committee:

NBDC Founder: Prof. Odilio Alves-Filho, Norwegian University of Science & Technology, Norway
NBDC Founder: Prof. Trygve Eikevik, Norwegian University of Science & Technology, Norway

Members:

Prof. Stefan Heinrich, Hamburg University of Technology, Germany
Prof. Mirko Peglow, IPT-PERGANDE GmbH, Germany
Ing. Siegfried Schmidt, Sustainable Energy Solutions, Germany
Prof. Evangelos Tsotsas, Otto von Guericke University, Germany
Prof. Frank Kleine Jäger, BASF SE, Germany
Dr. Michael Jacob, Glatt Ingenieurtechnik GmbH, Germany
M.Sc. Arne Sloth Jensen, Chief Executive Officer of EnerDry ApS, Denmark
Dr. Thorvald Ullum, Test & Development Manager, GEA Niro, Denmark
Prof. Ingvald Strømmen, Norwegian University of Science and Technology, Norway
Dr. Svetlana Goncharova-Alves, Norwegian University of Science and Technology, Norway
Dr. Carl Gustav Berg, Vice President for Marketing and Technology at Kumera, Finland
Dr. Roger Renström, Karlstad University, Sweden
Dr. Lena Brunzell, Karlstad University, Sweden
Prof. Stig Stenström, Lund University, Sweden
Dr. Rasmus Toftegaard, Danish Technological Institute, Denmark
Assoc. Prof. Sigurjon Arason, University of Iceland, Iceland
Prof. Yrjo Roos, University College Cork, Ireland
Dr. Pedro Fito Maupoey, Prof. Emeritus at Universidad Politecnica de Valencia, Spain
Prof. Natalia Menshutina, Dmitry Mendeleev University of Chemical Technology of Russia, Russia
Prof. Rufat Abiev, St. Petersburg State Technological Institute (technical university), Russia
Prof. Bhaskar N. Thorat, Institute of Chemical Technology, Mumbai, India
Prof. Mauri Fortes, Ietec - Instituto de Educação Tecnológica, Brazil
Prof. Luis Segura, University of Bio-Bio, Chile
Dr. Carlos Martinez Vera, Universidad Autónoma Metropolitana-Iztapalapa, Mexico
Dr. Anna Michalska, IARFR of the Polish Academy of Sciences, Poland
Prof. Ireneusz Zbicinski, Lodz University of Technology, Poland
Dr. Magdalena Zielinska, University of Warmia and Mazury in Olsztyn, Poland
Prof. Hironao Ogura, Chiba University, Japan
Dr. Wijitha Senadeera, Queensland University of Technology, Australia

Local Organizing Committee:

Chairman: Prof. Stefan Heinrich, Hamburg University of Technology, Germany
Co-Chairman: Prof. Mirko Peglow, IPT-PERGANDE GmbH, Germany
M.Sc. Johannes Haus, Hamburg University of Technology, Germany

Norwegian Organizing Committee:

President: Prof. Odilio Alves-Filho, Norwegian University of Science and Technology, Norway
Secretariat: Dr. Svetlana Goncharova-Alves, Norway

Language

The language in the NBDC 2017 will be English without translation.

Correspondence NBDC 2017

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Conference website: <https://www.tuhh.de/spe/nbdc-2017.html>

Scientific program: Prof. Odilio Alves-Filho and Prof. Stefan Heinrich

Registration/abstracts/papers: Dr. Svetlana Goncharova-Alves

The **NBDC 2017** is the dewatering and drying conference organized by the Nordic and Baltic countries. It has evolved from the NDC's that were successfully held in Norway, Denmark, Sweden, Finland and Iceland. The NBDC is organized every two years. The main purpose of the NBDC 2017 is to provide a forum for exchange of technical and scientific knowledge on drying and dewatering between the industry, academia, research centers and consulting agencies. Another aim is to promote the best drying and dewatering experimental and industrial practices in the Nordic and Baltic nations and to disseminate them internationally. Topics covered will be on better products, enhanced processes and technologies for a sustainable society while complying with economical growth and industrial competitiveness. Focus will be given on solving challenges on product-process quality, on energy utilization, on environment or climate change, and on technology-ecology impact.

INVITATION FOR THE NORDIC BALTIC DRYING CONFERENCE 2017

The NBDC 2017 will be locally organized by Hamburg University of Technology (TUHH) and the Norwegian University of Science and Technology (NTNU) on June 7 to 9, 2017. We invite you to participate in the NBDC 2017 taking place at TUHH in Hamburg. TUHH is a high-class university with extensive research and with modern and practice-oriented learning methods. TUHH has about 7400 engineering students and one hundred professors.

Hamburg has a 12 centuries history and is Germany's Gateway to the World. It is a beautiful city located astride the River Elbe. It has architecturally attractive buildings in a variety of styles, about 60 museums and beautiful parks and gardens. Overall, Hamburg has 17 universities and about 70,000 students.



CONFERENCE OUTLINE

- Welcome reception
- Novelty Day on Sustainable Organic Foods - Drying and Processing
- Plenary lectures
- Keynote lectures
- Oral presentations with full papers
- Technical and poster sessions
- Industrial session and exhibition
- Banquet and closing ceremony

KEYNOTE LECTURES:

Recognized professors, scientists and industrial professionals will lecture on:

- Fundamentals, modeling and optimization of drying processes
- Challenges in atmospheric freeze heat pump drying and intensification processes
- Heat pump and super-heated steam drying
- Innovative and green drying technologies
- Drying of pet and animal feed
- Dewatering and drying of inorganic and organic materials
- Spray, vacuum and freeze drying
- Chemistry and dewatering - process methods enhancing dewatering and drying
- Special topics

AWARDS

The following awards will be granted to candidates present at the NBDC 2017:

- Distinguished contributions in development of drying technology in the Nordic-Baltic region
- Outstanding achievement and excellence in drying R&D
- Novelty and R&D among the papers, posters and industrial presentations at the NBDC 2017

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:

- Drying applied to different industrial sectors
- Drying theory, fundamentals and kinetics
- Modeling, simulation and optimization of drying
- Drying intensification, vibration, infra-red, ultra-sound and micro-wave
- Different types of drying processes
- Product quality and drying process control
- Separation and dewatering processes
- Drying of different materials
- Heat pump drying and other innovative technologies
- Energy savings and other aspects in drying
- Environmental impact of drying and dewatering processes
- Drying and dewatering equipment design and scaling-up
- Industrial drying and dewatering.

The special session "**Novelty Day on Sustainable Organic Foods - Drying and Processing**" will be organized at the NBDC 2017.

CALL FOR ABSTRACTS

You are invited to submit an abstract for papers (about 250 words) to the NBDC 2017 that will be selected for oral and poster presentations. 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.

The submitted papers will be published in the e-Proceedings of the NBDC 2017.

THE DEADLINES:

Title and abstract received

Authors notified of acceptance

January 31, 2017

January 31, 2017

Papers deadline

Authors notified of acceptance of papers

February 20, 2017

March 20, 2017

Preliminary program

May 10, 2017

Registration and Get Together

June 7, 2017

Second Nordic Baltic Drying Conference

June 7 to 9, 2017

REGISTRATION FEE (EUROS) FOR NBDC 2017 INCLUDING NOVELTY DAY SESSION

| Category: | Prior May 10, 2017 | After May 10, 2017 | On site |
|---------------------------------|-----------------------|-----------------------|---------|
| Keynote lecturers | 300 | 350 | 350 |
| Speakers and other participants | 550 | 600 | 600 |
| 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, e-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 10, 2017. The accompanying person fee includes social events and banquet, except lunches. Separate payment will be required for the accompanying persons program.

REGISTRATION FEE FOR NOVELTY DAY SESSION ONLY: 200 Euros. It includes book of abstracts, e-Proceedings of NBDC 2017, coffee and tea.