

Invitation

The Institut für Nichtklassische Chemie e.V. (INC) in Leipzig, an An-Institute of Universität Leipzig and a member of ZUSE-Gemeinschaft e.V., celebrated its 20th anniversary in 2017 by hosting the first "Leipziger Symposium on Dynamic Sorption". Due to the very positive feedback, this series is continued in 2018 focusing on dynamic sorption processes in sorption heat and energy storage.

The symposium will provide an overview of modeling dynamic sorption processes corresponding to the methodology of modern experimental technologies given by experts in the field. A special topic in 2018 will be held on **sorption heat** and **energy storage**. Well-known lecturers will introduce the current view on this topic from a material viewpoint to the state-of-the-art technology. To intensify the discussions, posters will be presented and discussed in a separate session.

The importance of sorption heat applications rises with the need for more efficient ways to dynamically store and release energy. Due to this steadily growing demand on dynamic sorption methods – also for the characterization of novel materials, we are very pleased to welcome you to the "Leipziger Symposium on Dynamic Sorption" in 2018.

For more information visit
www.dynamicsorption.com



Contact

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Institut für Nichtklassische Chemie e.V.



Quantachrome GmbH & Co. KG



www.dynamicsorption.com

Schedule, April 17th 2018

- 9:00 **Introduction**
Dr. Jens Möllmer, INC Leipzig
- 9:15 **Dynamische Simulation von technischen Gasphasen-Adsorptionsprozessen**
Prof. Dr.-Ing. Dieter Bathen, IUTA
- 10:15 **Coffee Break and Postersession**
- 10:45 **Dynamic water sorption - experiments and lessons learned**
Dipl.-Phys. Gunther Munz, Fraunhofer ISE,
Dipl.-Ing. Sebastian-Johannes Ernst, Fraunhofer ISE
- 11:20 **Adsorption of polar and nonpolar vapors on selected adsorbents: experimental challenges and their solution**
Dr. Marcus Lange, INC Leipzig
- 11:55 **Adsorption of polar and nonpolar vapors on selected adsorbents: breakthrough curves and their simulation**
Dr. Robert Eschrich,
Quantachrome GmbH & Co. KG
- 12:30 **Lunch Break and Postersession**
- 14:00 **Poster Prize**
- 14:10 **Adsorption in dish washers**
Dr.-Ing. Andreas Hauer, ZAE Bayern e.V.
- 14:45 **Process concepts for the use of adsorption processes for thermal energy storage**
Dr.-Ing. Henner Kerskes, Universität Stuttgart
- 15:20 **Coffee Break and Postersession**
- 15:50 **Dynamic sorption characteristics as key for reliable performance predictions of adsorption chillers**
Dr. Franz Lanzerath, RWTH Aachen
- 16:25 **Alumino-phosphate coatings: From lab-scale adsorption experiments to the design of adsorption chiller heat-exchangers**
Dr. Thomas Nonnen, Fahrenheit GmbH
- 17:00 **Closing words**

Poster Contributions

Deadline for sending poster contributions:
31.03.2018.

Please send the title of your poster and a short abstract to: info@inc.uni-leipzig.de

The best Posters will be awarded with:

- 1st Prize: 300 €
2nd Prize: 200 €
3rd Prize: 100 €

Participation Fee

- Industrial participants: 180,00 €
(early bird until March 1st: 150,00 €)
- Institutional participants: 100,00 €
(early bird until March 1st: 80,00 €)
- Students: free of charge
- Speakers (talks and scientific posters): free of charge

Participants will receive an email with further information after registration.

Accommodation options at the Victor's Residenz-Hotel Leipzig or other hotels can be booked independently, alternative accommodations are available in the city center.

Included in the participation fee are event documents on USB-Stick and break-off supplies.

Please provide the information to your employees, if you cannot attend the symposium yourself.

Venue

Victor's Residenz-Hotel Leipzig
Georgiring 13
D-04103 Leipzig
Tel.: +49(0)341 6866-804
www.victors.de

Good accessibility by car, train and flight is guaranteed.

Registration

Please send your registration to:
Institut für Nichtklassische Chemie e.V. (INC)
info@inc.uni-leipzig.de
Fax: +49(0)341 235-2701

I want to participate at the Leipziger Symposium on dynamic sorption 2018, on April 17th:

Last Name, First Name, Title

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Company / Department

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Street / Number

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Post code / City

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Phone

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Fax

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Email

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