

Registration

Online Registration

<https://www.3P-instruments.com/adsorption-week/>



Registration via Email/Fax

Please submit the filled form to:
info@3P-instruments.com
or Fax: +49 8134 9324 25

.....
Name, Surname, Title

.....
Company/Department

.....
Street/Number

.....
ZIP-Code/City

.....
Phone

.....
E-Mail

.....
Talk at interactive session on 15th April?

.....
Additional Participation at Symposium?

Please direct this information to your colleagues, even if you cannot participate.

Further Information

Technical Requirements

You will need an internet connection that has the necessary performance for video streaming. We also recommend a microphone and webcam so you can ask questions and participate in the discussion. The link for joining the meeting will be sent to you one week in advance of the workshop. You can dial in from 8.45 a.m. onwards; the workshop starts at 9 a.m.

Fees

Workshop (April 13th) & interactive session (April 15th):

150 €

The fee includes the presentation materials but excludes taxes.

Leipziger Symposium on Dynamic Sorption

When additionally participating in the »Leipziger Symposium on Dynamic Sorption« (April 14th, 2021 – also online), you get the package of workshop, symposium and the interactive session on April 15th for a discounted price (excl. taxes):

200 €

More information:

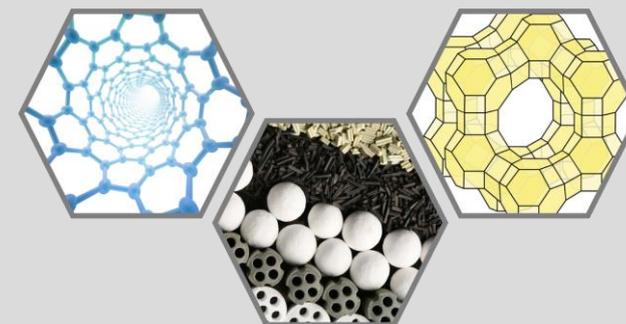
<https://www.dynamicsorption.com/symposium/>



Characterization of
particles • powders • pores

WORKSHOP

Adsorption & Characterization of porous solids



With a Keynote Lecture of
Prof. Jean Rouquerol

April 13th, 2021
Online

Topics

The workshop will cover recent developments and trends in the characterization of porous and finely dispersed materials by gas sorption and complementary techniques. The focus is on current technical and theoretical approaches in analysis of classic adsorbents as well as novel porous systems ranging from A as in activated carbons to Z as in zeolites!



Interactive Session (April 15th)

We give you the chance to connect with all participants of both the workshop and the symposium (held on April 14th) from all over the world. An interactive FAQ and discussion session will take place on April 15th from 9 a. m. till noon (approx. 12 a. m.). You will have the possibility to introduce yourself and get to know the other participants.

You are invited to give a 10-minute-talk on your research or project topic related to porous materials and adsorption. After that, we will have a discussion with our experts of the workshop and the symposium.

Please indicate the topic of your talk when registering for the event. You can either record your talk as a video in advance or present your talk on April 15th.

The submission deadline is **March 19th, 2021**.

Program

- 09:00 Sebastian Ehrling**
Welcoming and Introduction into Adsorption and Characterization of Porous Solids
- 09:45 Jean Rouquerol**
The Concept of Surface area of porous Solids, with special Attention to the BET Area: Pitfalls and Usefulness
- 10:45 Coffee break**
- 11:00 Martin Oschatz**
Advanced Tools for the Adsorptive Characterization of Carbon Materials with Hierarchical Pore Architecture
- 11:45 Sebastian Ehrling**
Comparative Characterization of Porous Solids using different Adsorptives
- 12:30 Lunch**
- 13:30 Sabine Wrabetz**
Adsorption Isothermal Microcalorimetry and beyond: New Insights on Active Sites of Key Catalyst Materials
- 14:00 Grit Kalies**
Characterization of Carbon Molecular Sieves by Gas and Liquid Adsorption
- 14:30 Sebastian Ehrling**
In search of the True Surface Area – Nitrogen vs. Noble Gases (He, Ne, Ar, Kr, Xe)
- 15:00 Coffee Break**
- 15:15 Andreas Möller**
Sorption Equilibria of Gas Mixtures measured by Flow Methods
- 16:00 Closing Remarks**

Speakers

Prof. em. Dr. Jean Rouquerol received his doctorate 1964 at Sorbonne (Paris) and joined CNRS in Marseille in 1966. He launched a group on thermal transformation and adsorptive properties of powders and porous solids. He is "Directeur de Recherche" Emérite in the MADIREL lab. He is or has been member of the Editorial/Advisory Board of 6 journals and author of >200 publications and numeral book chapters.

Prof. Grit Kalies habilitated in Physical Chemistry at Leipzig University. She teaches physical chemistry/mixed-phase and interfacial thermodynamics at HTW Dresden. Her research includes phenomenological and statistical thermodynamics.

Dr. Martin Oschatz received his PhD in the group of Prof. Kaskel (TU Dresden). After a postdoctoral stay at Prof. de Jong's group (University Utrecht), he worked at the MPI for Colloids and Interfaces and is deputy professor at University Potsdam since 2019. His research concentrates on nano-structured carbon materials.

Dr. Sabine Wrabetz (Fritz-Haber-Institut, FHI, Berlin) did her PhD on "Structure activity relationship of Ru exchanged zeolite-Y for ammonia synthesis". Since 1999, she is working at the FHI as senior scientist, focusing on the surface characterization of heterogenous catalysts.

Dr. Dietmar Klank (CEO of 3P Instruments) did his PhD on the characterization of carbon adsorbents with different gases and vapors. He worked 6 years for Micromeritics, 20 years for Quantachrome and likes to share his experiences in using instruments as well as different adsorptives.

Dr. Sebastian Ehrling (3P Instruments) worked on the synthesis and analysis of switchable MOFs at TU Dresden. He has special experience in the characterization of micro- and mesoporous materials.

Dr. Andreas Möller (3P Instruments) did his PhD on the sorption behaviour of hydrocarbons on zeolites under equilibrium and non-equilibrium conditions. His interests are mixed gas adsorption and breakthrough experiments.