

Registration

	Early bird	Standard
Non-student:	€300	€350
Student:	€175	€225

Early bird deadline: 1st July
Online registration deadline: 31st August

**For more information and registration
please contact:**

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symposium@surfacemeasurementsystems.com

Abstract submission

We strongly encourage early stage researchers, PhD students and professionals to submit their abstracts for the symposium poster session.

Instructions for submission:

Abstract must be submitted by email and must contain:

- (1) Title of the poster
- (2) Author/s of the poster
- (3) Professional affiliation and email address
- (4) Abstract must be up to 500 words and is written in English

Please submit to:

Dr. Vladimir Martis and Dr. Anett Kondor
symposium@surfacemeasurementsystems.com

1st European Symposium on Sorption Science

Instrumentation, Characterization, Applications

5-7 September 2018
University of Vienna, Austria

Online registration:

www.surfacemeasurementsystems.com/sorption-symposium/registration

Submission deadline: 4th July 2018



Programme

Day 1: Wednesday, 05 September

09:00 – 9:40 – Registration & Coffee

09:40 – 09:50 – Opening remarks by Prof. Alex Bismarck and Dr. Daryl Williams

Oral session 1 iGC

09:50 – 10:25 – Fundamentals of sorption measurement science by Dr. Daryl Williams, Imperial College London, United Kingdom

10:25 – 11:00 – Case studies of using inverse gas chromatography in pharmaceuticals by Prof. Dr. Martin Kuentz, University of Applied Sciences Northwest, Switzerland

11:00 – 11:35 – Void forming index: A parameter for detecting microstructural transformation of powders determined by IGC by Prof. Dr. Etsuo Yonemochi, Hoshi University, Japan

11:35 – 12:10 – Physicochemical properties of inhalation grade lactose: Insights via IGC Dr. Ioanna Styliari, University of Herfordshire, United Kingdom

12:10 – 12:45 – Evaluation of stabilizer performance for fine grinding by inverse gas chromatography by Dr. Paul Prziwara, TU Braunschweig, Germany

12:45 – 13:35 – Lunch

Oral session 1 DVS

13:35 – 14:10 – DVS determined stability of freeze dried powders- moisture induced cake collapse by Dr. Daryl Williams, Imperial College London, United Kingdom

14:10 – 14:45 – DVS in drug development – understanding the solid form landscape by Dr. Juergen Thun, F. Hoffmann-La Roche, Switzerland

14:45 – 15:20 – The role of DVS and IGC in comprehensive solid-state characterization of APIs and formulations – some industry case studies by Mr. Axel Becker, Merck Darmstadt, Germany

15:15 – 15:45 – Break

15:45 – 16:20 – Sorption measurements for reliably estimating crystallization kinetics in pharmaceuticals by Mr. Christian Lübbert, TU Dortmund University, Germany

16:20 – 16:55 – Influence of process conditions and particle properties on fluidized bed drying by Prof. Dr. Stefan Heinrich, University of Hamburg, Germany

16:55 – 17:30 – Formulation of a flavor delivery system assisted by DVS by Dr. Pierre-Etienne Bouquerand, Firmenich, Switzerland

17:30 – 18:05 – Application of DVS-Raman in solid state understanding of APIs by Dr. Qendresa Osmani, Medicines Research Centre, GSK, United Kingdom

Day 2: Thursday, 06 September

Oral session 2 iGC

08:30 – 09:00 – Coffee

09:00 – 09:35 – IGC in examination of zeolites and active carbons by Prof. Dr. Adam Voelkel, Poznan Institute Poland

09:35 – 10:10 – On the surface wettability heterogeneities in fine particle separation technologies – inverse gas chromatography investigations and interface interaction studies by Dr. Martin Rudolph and Johanna Sygusch, Helmholtz-Zentrum Dresden, Germany

10:10 – 10:45 – The application of inverse gas chromatography in formulation characterization by Dr. Michael Davies, Liverpool John Moores University, United Kingdom

10:45 – 11:15 – Break

11:15 – 11:50 – Dr. Florian Wilhelm, Zentrum für Sonnenenergie u. Wasserstoff-Forschung (ZSW), Germany

11:50 – 12:25 – Support for gas filtration development by iGC techniques – possibilities in pre-selection of fibres for application cases by Dr. Ralph Heidenreich, ILK Dresden, Germany

12:25 – 13:25 – Lunch

Oral session 2 DVS

13:25 – 14:00 – Water distribution in unconventional oil and gas reservoir rocks by Dr. Pieter Bertier, RWTH Aachen, Germany

14:00 – 14:35 – DVS Vacuum – Isothermic heat of adsorption measurements on zeolites by Dr. Vladimir Martis, Surface Measurement Systems, United Kingdom

14:35 – 15:05 – Break

15:10 – 15:40 – Crystal engineering of hybrid ultramicroporous materials by Prof. Mike Zaworotko, University of Limerick, Ireland

15:40 – 16:15 – Sorption of o-,m-,p-xylenes on transition metal substituted APO-5 molecular sieves by Dr. Peter Weidler, KIT Helmholtz, Germany

16:15 – 16:50 – Composite salt in porous metal-organic frameworks for adsorption heat transformation by Dr. Javier Pérez-Carvajal, Catalan Institute of Nanoscience and Nanotechnology, Spain

16:50 – 17:25 – Panel Discussion

17:25 – 18:25 – Poster Session

Day 3: Friday, 07 September

Oral session 3 DVS & iGC

08:30 – 09:00 – Coffee

09:00 – 09:35 – A New iGC method for determining the low surface areas (<5m²/g) complex organic solids by Dr. Anett Kondor, Surface Measurement Systems, United Kingdom

09:35 – 10:10 – Cellulose inclusion compounds? No, just stuck to the surface by Mr. Andreas Maunter* and Prof. Alex Bismarck, University of Vienna, Austria

10:10 – 10:45 – Measuring hydroxyl accessibility of delignified wood by hydrogen-deuterium exchange by Mr. Philippe Grönquist, ETH Zurich, Switzerland

10:45 – 11:20 – Comparative analysis of the dynamic vapor sorption technique and the traditional method for sorption isotherms determination by Prof. Dr. Winfried Malorny, Hochschule Wismar, Germany

11:20 – 11:50 – Break

11:50 – 12:25 – Physicochemical properties of lignin by IGC by Dr. Katarzyna Adamska, Poznan Institute Poland

12:25 – 12:55 – Applications of DVS measurements for cellulose based materials and composites by Mr. Stefan Möckel, PTS Papiertechnische Stiftung, Germany

12:55- 13:05 – Closing remarks by Mr. Thomas Schmid, Surface Measurement Systems, United Kingdom

13:05 – Lunch and networking