



Characterization of  
particles • powders • pores

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# Community sorption meeting

## Adsorption & Characterization of Porous Solids

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**Date: Nov 19<sup>th</sup> 2024**

**Time Zone: CET**

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**19<sup>th</sup> November 2024**

| Time  |       | Name                 | Affiliation                 | Title  |
|-------|-------|----------------------|-----------------------------|--|
| 9.00  | 9.30  | Sebastian Ehrling    | 3P Instruments              | Welcome and Introduction   |
| 9.30  | 10.00 | Kedar Bharat Jivrakh | Khalifa University          | 3D-Printed zeolite 13X gyroid monolith adsorbents for CO <sub>2</sub> capture  |
| 10.00 | 10.30 | Helena Vorspohl      | TLK Energy                  | Get more oxygen out of the air! Optimize multicomponent adsorption processes with TIL Adsorption.                                  |
| 10.30 | 11.00 | Coffee break         |                             |  |
| 11.00 | 11.30 | Leonid Shupletsov    | TU Dresden                  | Size and morphology dependent flexibility in bispyrazolate MOFs  |
| 11.30 | 12.00 | Sibo Chetry          | University Leipzig          | Triazolyl Isophthalate Cu-MOFs: A Study of Dihydrogen Adsorption in Ultra-Microporous Paddle Wheel Frameworks                      |
| 12.00 | 12.30 | Sri Rezeki           | University Jena             | Water and carbon dioxide adsorption studies on nitrogen-rich carbon materials and the relevance for energy applications            |
| 12.30 | 13.30 | Lunch break          |                             |  |
| 13.30 | 14.00 | Margot Verstreken    | KU Leuven                   | Mind the gap – the role of mass transfer in shaped nanoporous adsorbents   |
| 13.40 | 14.00 | Jaouad Al-Atrach     | ENSICAEN<br>UNICAen         | Enhancing CO <sub>2</sub> /N <sub>2</sub> and CO <sub>2</sub> /CH <sub>4</sub> Separations through Partial Mg-Exchanged Gismondine |
| 14.00 | 14.30 | Mike Gorbounov       | Brunel University<br>London | Biomass Combustion Ash-derived adsorbents for CO <sub>2</sub> capture  |
| 14.30 | 15.00 | Coffee break         |                             |  |
| 15.00 | 15.30 | Marcus Lange         | INC                         | Characterization of textile sorbents using MOMT  |
| 15.30 | 16.00 | Fabian Schönfeld     | 3P Instruments              | New aspects regarding measurement accuracy, flexibility, ease of maintenance and sustainability of sorption analyzers              |
| 16.00 |       | Closing              |                             |  |