

# MOF2020 Expert View Series:

Adsorption and Separation Science & Technology Fundamentals for Energy and Environmental Applications

## Date:

Sept 18, 2020

## Speakers and Program:

**Randy Snurr** (Northwestern University, USA):

*Molecular Simulation Methods for Predicting Adsorption in Nanoporous Materials*

**Katharina Peikert** (Micromeritics, Germany):

*Insights into advanced adsorption studies on MOFs*

**Philip Llewellyn** (CNRS, Aix-Marseille Université - MADIREL and TOTAL, France):

*Adsorption heats and calorimetry for energy and environmental processes*

**Ryotaro Matsuda** (Nagoya University, Japan):

*Advanced in situ characterization of MOF adsorption processes*

**Eike Brunner** (TU Dresden, Germany):

*In situ NMR spectroscopy: A tool to study gas adsorption in MOFs*

**Peter Ravikovitch** (Corporate Strategic Research, ExxonMobil, USA):

*Fundamentals and modeling of flexible frameworks for separations*

**Joeri Denayer** (Vrije Universiteit Brussel, Belgium):

*Molecular separation by MOF adsorbents: experimental techniques and methodologies*

**Freek Kapteijn** (TU Delft, Netherlands):

*MOF-based mixed matrix membranes in gas separation – Modelling and data interpretation*