

# **„Metal-Organic Frameworks for Industry: Up-scaling and Shaping“**

**Thursday, October 15, 2015**

08:30 – 09:00 Registration

## ***Session 1: Manufacturing***

09:00 – 09:15 Welcome

09:15 – 10:00 “Challenges of scale up for the continuous mechanochemical synthesis of MOFs”  
Dr. Paschal McCloskey, MOF Technology

10:00 – 10:30 “Synthesis and manufacture of MOFs: challenges and recent developments”  
Dr. Stefan Löbbecke, Fraunhofer Institute for Chemical Technology ICT

10:30 – 11:00 “Continuous Production and Separation of Metal Organic Frameworks”  
Dr. Matthew Hill, Commonwealth Scientific and Industrial Research Organisation

11:00 – 11:30 Exhibition/Coffee break

## ***Session 2: Shaping***

11:30 – 12:15 “Large Scale Synthesis and Granulation of Metal-Organic Frameworks”  
Dr. Jong-San Chang, Korean Research Institute of Chemical Technology

12:15 – 12:40 “Materials Center (TU Dresden)”  
Dr. Steffen Hausdorf, Materials Center

12:40 – 13:10 „Shaping of MOF-monoliths, -pellets and -composites”  
Dr. Hans-Jürgen Richter, Fraunhofer Institute for Ceramic Technologies and Systems IKTS and Dr. Eva Schieferstein, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT

13:10 – 14:15 Lunch break

## ***Session 3: Application***

14:15 – 14:40 “Metal-Organic Frameworks: Tailor-made adsorbents for heat transformation”  
Dr. Stefan Henninger, Fraunhofer Institute for Solar Energy Systems ISE

14:40 – 15:05 “Use of MOF's in Filtration”  
Dr. Bertram Böhlinger, Blücher GmbH

15:05 – 15:30 “MOFs for the adsorption of toxic substances”  
Dr. Matthias Benusch, Fraunhofer Institute for Material and Beam Technology IWS

15:30 – 16:00 “Adsorption Separations in Flexible Structures”  
Peter I. Ravikovitch, ExxonMobil Research and Engineering Company

16:00 – 17:00 Exhibition/Coffee break

17:00 End of the workshop