“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 Böhringer, 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