

3rd ENMIX Workshop Report
Zeolites, MOFs, and Porous Carbons –
Advanced Preparation and Innovative Applications
March 25-27, 2013 in Hanover (Germany)

The 3rd European Nanoporous Materials Institute of Excellence Workshop was held in Hanover (Germany) from March 25 to March 27, 2013. ENMIX plays a leading role in the field of nanoporous solids in Europe and contributes, by using novel nanoporous materials, to the solution of the great challenges our modern society is faced with. The 3rd Workshop was organized by Jürgen Caro (local organizer) and Elias Klemm (CEO of ENMIX). Besides keynote lectures and oral presentations by leading European experts and renowned researchers from within the network, it was mainly directed towards intense discussions between representatives from industry and the ENMIX partners.



As the title suggests, the Workshop has presented the latest developments in the field of the preparation of zeolites, MOFs and porous carbon, as well as their advanced and innovative applications. Four excellent speakers presented an overview of the latest developments: Gabriele Centi (Zeolites in Catalysis - Recent Developments and Perspectives), Stefan Kaskel (MOFs: Synthesis, Adsorption, and Shaping), Francisco Rodríguez Reinoso: Novel Nanoporous Carbons for Energy and Environmental Applications), and Freek Kapteijn

(Catalysis with MOFs - Opportunities and Limitations). Nine renowned researchers from academia and four researchers from industry and the European Commission delivered the lectures in which they presented the latest developments in the fields of preparation of nanoporous materials and their applications. 14 researchers had the opportunity to present their research interests and results in the form of posters at the poster session.

The Workshop offered an excellent opportunity to meet researchers from academia and industrial partners. 12 representatives from companies that are active in the production or application of porous materials were attending the 3rd ENMIX workshop. Integration between basic chemical research and industry is still limited. Thorough chemical knowledge about the structural properties in order to understand the functionality of new and old materials and on the other hand the technological knowledge for industrial up-scaling and application should be brought together. A strategic meeting of the ENMIX board of directors and representatives from the industrial partners (implementation meeting of the Industrial Advisory Board) was held during the workshop.

Tomaž Fakin, NIC, Ljubljana