

School & Workshop Program

Saturday, 24th February 2007

8:30 - 10:10	<i>Biomimetic processes</i> M.O. Coppens TUDelft, The Netherlands
10:10 - 10:35	Coffee break
10:35 - 12:15	<i>Fundamentals of Adsorption</i> F Rodríguez-Reinoso Departamento de Química Inorgánica, Universidad de Alicante, Spain
12:15 - 13:45	Lunch break
13:45 - 15:25	<i>Fundamentals of synthesis processes of nanoporous solids</i> E. Vansant University of Antwerp, Belgium
15:25 - 15:40	Coffee break
15:40 - 17:30	Oral Poster Presentations
17:30 - 18:30	Poster Session
18:45 - ?	JRA meeting

Sunday, 25th February 2007

8:30 - 10:10	<i>Fundamentals of diffusion processes (diffusion mechanisms and phenomena, principles of measurement)</i> J. Kärger Department of Interface Physics, University of Leipzig, Germany
10:10 - 10:35	Coffee break
10:35 - 11:25	<i>Nuclear Magnetic Resonance. Basic Principles and Applications</i> F. Grinberg Department of Interface Physics, University of Leipzig, Germany
11:25 - 12:15	<i>Interference and IR Microscopy</i> J. Kärger Department of Interface Physics, University of Leipzig, Germany

12:15 – 13:45	Lunch break
Excursion	

Monday, 26th February 2007

8:30 - 10:10	<p><i>Porous membranes- recent developments and expected applications in industrial gas separation and in catalytic membrane reactors</i></p> <p>J Caro¹ & D.M. Ruthven²</p> <p>¹ Institute of Physical Chemistry and Electrochemistry, University of Hannover, Germany</p> <p>² University of Maine, USA</p>
10:10 – 10:35	Coffee break
10:35 – 12:15	<p><i>Fundamentals of heterogeneous catalysis by porous solids</i></p> <p>R. Gläser</p> <p>Institut für Technische Chemie, Universität Stuttgart, Germany</p>
12:15 – 13:45	Lunch break
13:45 – 14:35	<p><i>Characterization measurements of the same reference nanoporous solids by different ex-situ techniques (Round Robin Tests)</i></p> <p>M Stöcker¹, F Rodríguez-Reinoso² and Antonio Sepúlveda-Escribano²</p> <p>¹ SINTEF Materials and Chemistry, Norway</p> <p>² Departamento de Química Inorgánica, Universidad de Alicante, Spain</p>
14:35 – 15:25	<p><i>Fundamentals of modelling adsorption in nanoporous materials</i></p> <p>M. Sweatman</p> <p>Department of Chemical and Process Engineering, University of Strathclyde, UK</p>
15:25 – 15:40	Coffee break
15:40 – 17:30	Oral Poster Presentations
17:30 – 18:30	Poster Session
21:00 –	Workshop dinner

Tuesday, 27th February 2007

8:30 - 9:20	<i>Recent advances in Nanomedicine</i> C. Kiparissidis Centre for Research & Technology, Greece
9:20 - 10:10	<i>Nanoporous Multifunctional Composites for Medical Applications</i> T. Tsakalacos Rutgers University, USA
10:10 - 10:35	Coffee break
10:35 - 11:25	<i>Neutron diffraction</i> D. Fruchart
11:25 - 12:15	<i>Applications of SANS and SAXS for the in-situ characterisation of nanoporous materials</i> J. Ramsay CNRS, University of Montpellier, France
12:15 - 13:45	Lunch break
13:45 - 14:35	<i>Synchrotron Radiation</i> M. Saboungi Orleans, CNRS, France
14:35 - 15:25	<i>Using in situ measurements (Microcalorimetry, Synchrotron X-ray scattering, Infrared Spectroscopy) to understand sorption induced breathing in the metal organic framework MIL53 (Cr)</i> P. Llewellyn Laboratoire MADIREL UMR CNRS, Université de Provence, Marseille, France
15:25 - 15:40	Coffee break
15:40 - 17:30	Oral Poster Presentations
17:30 - 18:30	Poster Session
18:45 -	Young Researchers meeting

Wednesday, 28th February 2007

8:30 - 9:20	A. Konstantopoulos
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	Centre for Research & Technology, Greece
9:20 – 10:10	M. W. Ackley Adsorption and Purification R&D Praxair, Inc., Tonawanda, USA
10:10 – 10:35	Coffee break
10:35 – 12:15	<i>Digital reconstruction methods for the simulation of equilibrium and dynamic processes in porous media</i> E. Kikkinides Department of Engineering and Management of Energy Resources, University of Western Macedonia & Chemical Process Engineering Research Institute, Centre for Research and Technology, Greece.
12:15 – 13:45	Lunch break
13:45 – 14:35	N. Kanellopoulos National Center Scientific Research "Demokritos", Greece
14:35 – 15:25	<i>Recent advances in hydrogen storage processes</i> T. Steriotis, A. Stubos National Center Scientific Research "Demokritos", Greece
15:25 – 15:40	Coffee break
15:40 – 17:30	Oral Poster Presentations
17:30 – 18:30	Poster Session