

Workshop

Inorganic Membrane Technology - Advanced Production & Design -

Montpellier (France), 27-28 March 2012

Focus of the Workshop

The main objectives of this workshop are to gather industries and SMEs whose activities make use of advanced **inorganic membrane designs** (honeycombs, hollow fibres, tubes, capillaries...) and to gain insights into their potential applications for **gas & vapour separation**, and **membrane reactors**.

Further, the workshop will create a discussion platform between the IMeTI & CARENA consortium members and the audience.

Industry, universities and research centres will be informed about activities of these projects related to **inorganic membrane development**.

Contact

IMeTI & CARENA Workshop

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Organizing Committee

Dr. Anne Julbe (*IEM-CNRS*) - Chair
Prof. André Ayrat (*IEM-UM2*) - co-Chair
Dr. Samuel Bernard (*IEM-CNRS*)
Dr. Hugues Blasco (*IEM-CNRS*)
Dr. Rune Bredesen (*SINTEF*)
Dr. Sylvie Condom (*IEM-ENSCM*)
Dominique Diamante (*IEM-CNRS*)
Dr. Martin Drobek (*IEM-CNRS*)
Dr. Marie-Laure Fontaine (*SINTEF*)
Dr. Sadika Guedidi (*IEM-EMH/UM2*)
Prof. Gilbert Rios (*IEM-EMH*)
Ing. Claudia Salvador-Levehang (*IEM-CNRS*)

Workshop Duration

Registration opens at 8:30am on Tuesday 27th, March 2012. The Workshop ends in the afternoon on Wednesday 28th, March 2012.



WORKSHOP

INORGANIC MEMBRANE TECHNOLOGY

- Advanced Production & Design -

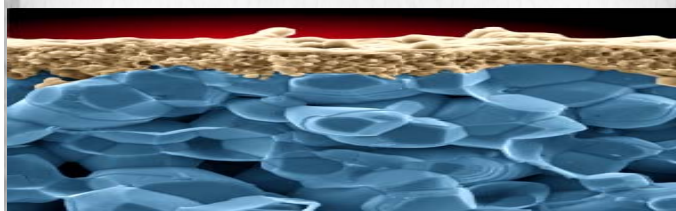


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IEM-CNRS, MONTPELLIER

FRANCE

IMeTI & CARENA Projects



The IMeTI project (Marie Curie Action "Industry-Academia Partnership and Pathways") aims to broaden an applied research in Implementation of Membrane Technology to Industry in the field of organic solvent nanofiltration and high temperature gas separation using cutting edge technologies based on new membranes.

6 Partners

- Imperial College of Science, Technol. and Medicine, London, UK (Coordinator)
- Evonik Membrane Extraction Technology Ltd, United Kingdom
- Univ. of Chemical Technology and Metallurgy, Sofia, Bulgaria
- CNRS, Institut Européen des Membranes de Montpellier, France
- HYFLUX-CEPARation Technologies, Helmond, The Netherlands
- CNR, Istituto per la Tecnologia delle Membrane, Rende, Italy
- GVS S.p.A., Bologna, Italy

The CARENA project (Large collaborative project) aims to create technologies - CAlytic Reactors based on New mAterials- enabling an efficient conversion of light alkanes and CO₂ into higher value chemicals.

18 Partners

- Energy Research Centre of the Netherlands, The Netherlands (Coordinator)
- Arkema, France
- Akzo Nobel Industrial Chemicals B.V., The Netherlands
- Johnson Matthey PLC, United Kingdom
- CREE StGobain, France
- Acktar Ltd, Israel
- Commissariat à l'Energie Atomique, France
- CNRS- Institut de Recherches sur la Catalyse et l'Environnement de Lyon, France
- CNRS- Institut Européen des Membranes de Montpellier, France
- STIFTELSEN SINTEF, Norway
- Tecnimont KT, Italy
- Linde AG, Germany
- Process Design Center, The Netherlands
- Technion - Israel Institute of Technology, Israel
- University of Salerno, Italy
- University of Twente, The Netherlands
- Diamond Light Source Ltd, United Kingdom
- European Membrane House, Belgium
- Leibniz University of Hannover, Germany

Programme

The workshop will address the following topics: synthesis/development of inorganic membranes; impact of membrane design on performance; heat transfer; stability in operation and membrane lifetime; costs and integration in large scales for selected systems. Focus is given to membranes used for gas and vapour separation/treatment, including catalytic membranes reactors and electrochemical systems.

Presentations will be organized in the 3 following sessions:

- **Industrial/scalable production and design of inorganic membranes & supports**
 - Tubes /multichannel
 - Capillaries /fibres
 - Honeycombs/corrugated supports
- **New inorganic membranes & interface designs**
 - Membranes architecture
 - Membrane precursors design
 - Membrane/support interface
- **Models & prospective designs**
 - Mechanics/heat/mass transfer modelling
 - Hierarchical/sophisticated designs

Anyone interested to attend this event is kindly requested to email us the completed registration form or contact directly the organization committee.

Registration Information

Attendance to the workshop is free of charge and includes lunches & coffee breaks. A contribution of 100 euros (50 euros for students) will be requested for the Gala dinner held on March 27th 2012. All participants are requested to pay for their own travel and accommodation expenses.

A limited financial support will be given to a limited number of participants on a first come -first served basis.

Deadlines

Abstract submission: 30 November 2011
Registration: 31 January 2012

Venue

The conference will take place at the auditorium of CNRS Montpellier, next to IEM.

The Gala dinner will be organized in town at the Fabre Museum.

Easy access to the conference: by tramway and bus from the train station, or by taxi from Montpellier Méditerranée airport.



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