2nd EDITION

The 19 / 20 / 21 of September 2016
GRENOBLE - FRANCE

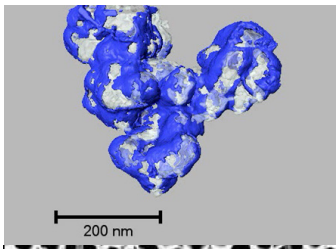
«MATERIAL CHALLENGES FOR FUEL CELL & HYDROGEN TECHNOLOGIES»
From innovation to industry

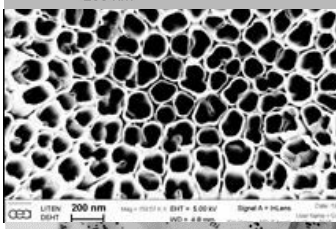
Material Challenges For Fuel Cell & H_2 technologies

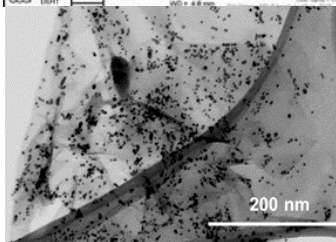
TOPICS

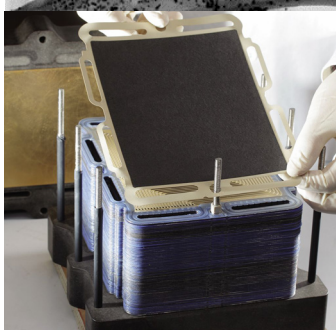
- Advanced catalysts — Nano CAT (Advanced Catalysts PEMFC Auto)
- Materials, component preparation and modelling — IMPACT
- Advanced characterization — H2FC European Infrastructure
- Stack testing and protocols — STACK TEST
- Gas quality — HyCoRA
- Degradation — Second Act

With DoE experts plenary lectures









FCH — Fuel Cells and Hydrogen Joint Undertaking

European Commission

.... More details about program, venue and how to register coming soon ...

CONTACTS: pierre-andre.jacques@cea.fr

MAISON MINATEC - 3 Parvis Louis Néel, 38054 Grenoble

OBJECTIVES

The second Materials Challenges for Fuel Cells and Hydrogen Technologies: from innovation to industry Workshop will take place in Grenoble (France) from 19th to 21th September 2016, hosted by Nano-CAT, a European project funded by the FCH-JU Programme under the EU 7th Framework Programme for Research and Technological Development (FP7).

The 2016 edition intends to build on the success of the first Workshops (March 2012) to:

1. Highlight key results of the research and innovation (R&I) projects supported by various programs of FP7 and Horizon 2020 (the current EU Framework Programme for Research and Innovation 2017-2020) in the field of material for Fuel Cell and Hydrogen (FCH) and review their technology readiness level (TRL) in a value-chain approach.
2. Give an updated overview of the portfolio of projects in the FCH field to bring forward the global picture of FCH R&I in Europe and highlight the impact of advanced materials toward for a widespread of the FCH technologies.
3. Identify common R&I priorities for bridging the gap between advanced materials and the successful commercialization of innovative products and industrial technologies.
4. Provide a forum for discussion, problem solving and planning of R&I activities in Europe and give key recommendations on future R&I needs in the FCH domain. including cross-cutting topics (engineering and upscaling, characterization, modelling, standardization)
5. Enable the materials, nanotechnologies & FCH communities in Europe to develop strategic collaborations and industrial partnerships.
6. Review the existing materials, nanotechnologies and FCH roadmaps to support the development of FCH industry, and to implement them in Horizon 2020.

PROVISIONNAL PROGRAMME

19 September – 18:00
Arrivals and welcome cocktail

20 September – 9:00 – 18:00
Welcome and opening
FCH-JU program overview presentation
NMPB program overview presentation
DoE program overview presentation

Session on advanced catalysts
Session on advanced characterization
Session on materials, components and modelling

20:00: Gala dinner

21 September – 9:00 – 15:00
Session on degradation
Session on gas quality
Session on testing protocols

Conclusions and identification of common initiatives between FCH2-JU and NMBP

Posters and discussions during breaks and buffet

HORIZON 2020
LE PROGRAMME DE RECHERCHE ET D'INNOVATION DE L'UNION EUROPÉENNE

SCIENTIFIC COMMITTEE

Mr Jean-Luc Delplancke, FCH2-JU, Belgium
Mr Erno Vandeweert, NMPB, Belgium
Mrs Nancy Garland, DoE, USA
Mr Andreas Friedrich, DLR, Germany
Mrs Laure Guetaz, CEA, France
Mr Piotr Zelenay, LANL, USA
Mrs Sylvie Escribano, CEA, France
Mr Jari Ihonen, VTT, Finland
Mr Georgios Tsotridis, JRC, Netherland
Mr Rod Borup, LANL, USA

CONTACTS: pierre-andre.jacques@cea.fr

MAISON MINATEC - 3 Parvis Louis Néel, 38054 Grenoble