

DIFUSSION ACTIVITIES

Interview, March 2018

An article about PEMFC SUDOE project has been recently reported at the publication SolarNews. In that publication ARIEMA members talked about their experience in the field of hydrogen technologies and fuel cells.

CONGRESSES & CONFERENCES



EHEC 2018, April 2018



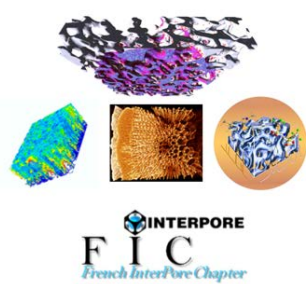
Alfredo Ortiz and María Yáñez, members of the UC team attended the European Hydrogen Energy Conference – EHEC 2018, celebrated in Málaga (Spain), last March 14-16, 2018, where they presented the recent results of their research. Alfredo and María gave the lectures “Innovative ionic liquids co-polymers as membrane electrolytes for fuel cell applications” and “Surplus hydrogen reuse using decision-making techniques in northern Spain”, respectively.



Researchers from Ariema also attended the congress and presented their progresses in the project. Their work was entitled “Present and future markets for hydrogen technology in SUDOE region”.



JEMP 2018



French InterPore Conference on Porous Media- JEMP 2018 8-10 October 2018 - La Cité Nantes Event Center - Nantes (France)

René Peinador, from the Institut de la Filtration et des Techniques Séparatives (IFTS, France) within Marc Prat, from the Institut National Polytechnique of Toulouse (INPT, France) have prepared a contribution to participate in the congress French Interpore Conference on Porous Media – JEMP 2018. The congress will take place next October 8-10, 2018 in Nantes (France). The work that they will present in the congress is entitled “Analysis of fluid-fluid porometry from pore network simulations”.





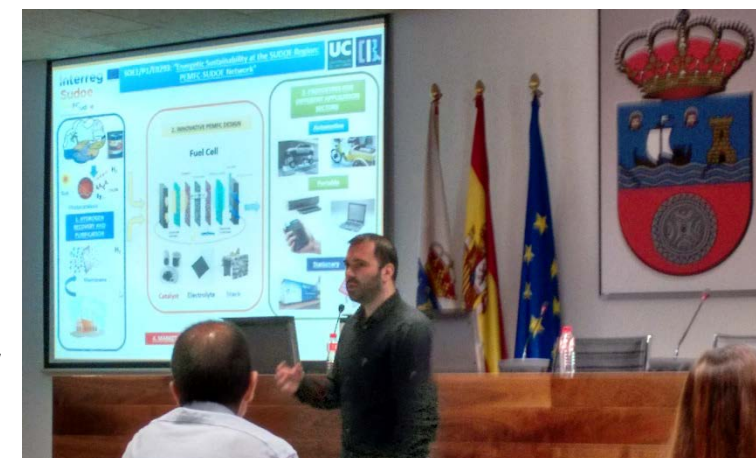
FPS 2018

Two contributions of project partners from have been accepted to participate in the European Conference on Fluid-Particle Separation – FPS 2018, that will be held in Lyon (France) next October, 2018. R. Peinador, I. Haffar and R. Ben Aim, researchers from the Institut de la Filtration et des Techniques Séparatives (IFTS, France) will present their work “Influence of swelling and pressure compaction on polymeric on polymeric UF membrane by liquid liquid displacement porometry. An experimental study”. Marc Prat, researcher of the Institut National Polytechnique de Toulouse (INPT, France) in collaboration with R. Peinador (IFTS, France) will present their work “Fluid-fluid porometer, pore network simulation”.



SEMINAR

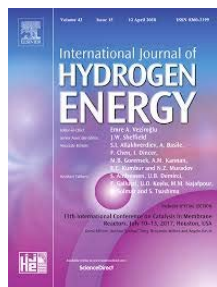
On April 24th, 2018 the General Directorate of Innovation, Technological Development and Industrial Entrepreneurship in collaboration with the European Technology Platform for Hydrogen and Fuel Cells, organized by the “European Regional Workshop on Hydrogen and Fuel Cells, in the meeting room of the Ministry of Innovation, Industry, Tourism and Commerce.



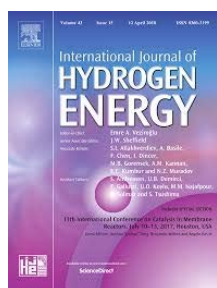
The workshop, aimed at stablishing the existing guidelines for supporting projects related to hydrogen technologies in the regions, counted on the participation of different European experts of the sector. Dr. Alfredo Ortiz participated in the event as coordinator of PEMFC-SUDOE project.

PUBLICATIONS

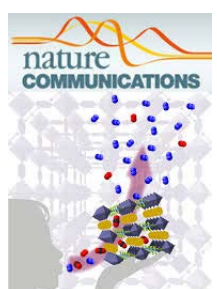
The results obtained by the researchers of the PEMFC-SUDOE project, has been published in different scientific journals.



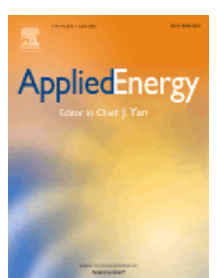
M. J. Rivero, O. Iglesias, P. Ribao, I. Ortiz. Kinetic performance of TiO₂/Pt/reduced graphene oxide composites in the photocatalytic hydrogen production. International Journal of Hydrogen Energy. Article in press. <https://doi.org/10.1016/j.ijhydene.2018.02.115>. 2018.



M. Colpaert, V. Ladmiraal, B. Ameduri. Revisiting the Radical Copolymerization of Vinylidene fluoride with Perfluoro-3,6-dioxo-4-methyl-7-octene sulfonyl fluoride for Proton Conducting Membranes. Journal of Hydrogen and Energy. (doi.10.1016/j.ijhydene.2018.03.153). 2018.



A. Zitolo, N. Ranjbar-Sahraie, T. Mineva, J. Li, Q. Ji, S. Stamatina, G. F. Harrington, S. M. Lyth, P. Krtil, S. Mukerjee, E. Fonda, F. Jaouen. Identification of catalytic sites in cobalt-nitrogen-carbon materials for the oxygen reduction reaction. Nature Communications 8, 957 (2017) doi:10.1038/s41467-017-01100-7.



R. B. Ferreira, D. S. Falcão, V. B. Oliveira, A. M. F. R. Pinto. 1D + 3D two-phase flow numerical model of a proton exchange membrane fuel cell. Applied Energy, 203 (2017) 474-95.