

# WORKSHOP: "RENEWABLE HYDROGEN ENERGY WORLD"

THURSDAY 20 JUNE	FRIDAY 21 JUNE
<b>W2.1 AUDITORIUM (8:30-10.00)</b>	<b>W2.4 SALA DE GRADOS (8:30-10.00)</b>
Chairperson: Alfredo Ortiz	Chairperson: Deborah Jones
8.:30-8:35. Welcome. PEMFC SUDOE project. Alfredo Ortiz (UC)	8:30-9:10 <b>792905</b> . Plenary. Prof. M. Robinius Jülich (Invited) "Roadmap to the Energy System 2050 in Germany – Hydrogen as a Key Energy Carrier"
8:35-9:15 <b>380704</b> . Plenary. Prof. A. Friedrich DLR (Invited) "The Future of Hydrogen Generation by Electrolysis: Status and Prospects"	9:10-9:30 Paulo Partidário. DGEG (Invited) "A Roadmap for Hydrogen in Portugal – Brief overview of the system approach used".
9:15-9.45 <b>839707</b> Keynote. Dr. J. Brey. AeH2 (Invited). "Maximizing renewable energy deployment by means of hydrogen as energy vector"	9:30-9:45 <b>808279</b> "Operating conditions in bio-oil steam reforming on a NiAl2O4 catalyst". Naiara García-Gómez. UPV/EHU
9.45-10.00 <b>496377</b> "Thermochemical Water Splitting in a Ceria Fixed Bed Tubular Reactor: Isothermal and Thermal-Cycling". Mario Sánchez Redero. IMDEA Energy	9:45-10:00 <b>355632</b> "Production of hydrogen from MSR using CuPd/ZrO2 catalysts – influence of the catalytic surface on methanol conversion and CO selectivity". Tiago Lagarteira. University of Porto
<b>Coffe break (10:00-10:30)</b>	
<b>W2.2 AUDITORIUM (10:30-12.00)</b>	<b>W2.5 SALA DE GRADOS (10:30-12.00)</b>
Chairperson: Carmen Rangel	Chairperson: Alfredo Ortiz
10:30-11:00 <b>868709</b> Keynote. Prof. D. Makarov. HySAFER (Invited) "Recent Progress in Safety of Gaseous Hydrogen Storage"	10:30-11:10 <b>275706</b> Plenary. Prof. A. Mendes. U. Porto (Invited) "Membrane and adsorption-based hydrogen purification processes for PEMFC applications"
11:00-11:15 <b>586264</b> "Hydrogen Storage in Refineries as a Game-Changer for the Development of Renewable Hydrogen". Pedro Haro. Universidad de Sevilla	11:10-11:25 <b>800244</b> "Copper-Ceria Nanomaterials as Catalysts for Low Temperature H2 Purification and CO Capturing in PEMFCs". Ayesha Alkhoori. Khalifa University
11:15-11:30 <b>192361</b> "Hydrogen production and storage from hydrolysis of sodium borohydride: study of the regeneration of sodium borohydride". Diogo Silva. University of Porto	11:25-11:40 <b>539364</b> "Efficient Recovery Of Syngas From Dry Methane Reforming Product By A Dual Pressure Swing Adsorption Process". Jose Antonio Delgado Dobladez. Universidad Complutense de Madrid
11:30-11:45 <b>149666</b> "Electrochemical devices based on CsH2PO4 for energy conversion and storage". Laura Navarrete. Instituto de Tecnología Química	11:40-12:00 Dr. J. Arauzo. AEIE (Invited) "Current situation and perspectives of R & D in Spain. Hydrogen as an energy vector"
11:45-12:00 <b>765656</b> "Parametric Analysis of Hydrogen Fuelling: Application of a Reduced Model". Mohammad Dadashzadeh. HySAFER/Ulster University	
<b>Brunch + Posters (12:00-13:00)</b>	
<b>W2.3 AUDITORIUM (13:00-14.30)</b>	
Chairperson: Deborah Jones	
13:00-13:45 <b>360703</b> Plenary. Prof. S. Holdcroft. Simon Fraser Universty (Invited) "Materials Chemistry Research for Fuel Cells and Hydrogen"	
13:45-14:00 <b>724189</b> "On the impact of the anode operating conditions on the liquid water distribution in the cathode gas diffusion layer of a PEM fuel cell." Pierre Carrere. Institut de Mécanique des Fluides de Toulouse (IMFT)	
14:00-14:15 <b>237422</b> "Reduction of premature aging for Fuel Cell – Battery systems by implementing an advanced Hybrid Control System based on double PID, Neural Network load predicting algorithm and automatically sizing of the battery system" . Vincenzo Ortisi. Pure Energy Center	
14:15-14:30 <b>929504</b> "Proposed New Hydrogen Policies Intervention for the Successful Wide Deployment of Hydrogen Technologies". Daniel Aklil. Pure Energy Centre	

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*"International Journal of  
 Hydrogen Energy"*



**Submission deadline: September 30, 2019**

**Venue:**

**Escuela Técnica Superior de Ingenieros Industriales y de Telecomunicaciones  
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