



## SYMPOSIUM PROGRAM

November 26, 2017			
8:00-9:00	<b>Opening Registration</b>		
Dr R. Boudries: <b>Welcome session</b>			
9:00-9:30	<b>Ministre de l'Enseignement Supérieur et de la Recherche Scientifique</b> <b>Directeur Général, DGRSDT</b> <b>Pr. N. Yassaa, directeur CDER</b> <b>S.G.UNESCO-Commission Nationale</b> <b>Dr A. Khellaf, président du symposium</b>		
<p style="text-align: center;">Pr N. Yassaa</p> <p style="text-align: center;"><b>Hydrogen Production</b></p>			
9:30-10:10	<p style="text-align: center;">Pr J. W. Sheffield</p> <p style="text-align: center;"><b>Plenary session I: Existing and Future Options for Transport and Distribution of Renewable Hydrogen</b></p>		
10:10-10:25	<b>Coffee break</b>		
10:25-10:55	<p style="text-align: center;">F. Meziane, M. Belacel and Z.Mouhoub</p> <p style="text-align: center;"><b>Poster Session 1</b></p>		
<b>Thematic sessions</b>			
	<p style="text-align: center;">Dr R.Boudries and F. Lassouane: <b>Session A</b></p> <p style="text-align: center;">Pr J.W. Sheffield and F. Chellali: <b>Session B</b></p>		
11:00-12:00	<table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> <li>• Sara Chikhi, <b>Production d'hydrogène par vaporeformage d'isooctane dans un microréacteur : effets géométrique et effets inertiels</b></li> <li>• Arman Aghahosseini, <b>The role of hydrogen production in 100% renewable energy systems in the power and industrial gas sectors</b></li> <li>• Sidahmed Khodja Kirati, <b>Effect of temperature and pressure on production rate and purity level of hydrogen and oxygen produced by an electrolyzer supplied by HES in the Adrar region</b></li> <li>• Ahmed Mchid Hedjala, <b>Hydrogen Production Using Geothermal Power Plant With Binary Cycle</b></li> </ul> </td> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> <li>• Baik Mouloud, <b>Contribution to the study of the production of wind energy and hydrogen in different sites of Algeria</b></li> <li>• Tebibel hamou, <b>Complete Modelling of an Off Grid Hybrid Renewable Hydrogen Production System</b></li> <li>• Hadj Mahammed Idriss, <b>Optimization and modelization of PV-electrolyzer system for sustainable hydrogen</b></li> <li>• Mousli Mohamed Islam Aniss, <b>Comparative study of hydrogen production costs by pv-electrolyser system in different representative regions of Algeria</b></li> </ul> </td> </tr> </table>	<ul style="list-style-type: none"> <li>• Sara Chikhi, <b>Production d'hydrogène par vaporeformage d'isooctane dans un microréacteur : effets géométrique et effets inertiels</b></li> <li>• Arman Aghahosseini, <b>The role of hydrogen production in 100% renewable energy systems in the power and industrial gas sectors</b></li> <li>• Sidahmed Khodja Kirati, <b>Effect of temperature and pressure on production rate and purity level of hydrogen and oxygen produced by an electrolyzer supplied by HES in the Adrar region</b></li> <li>• Ahmed Mchid Hedjala, <b>Hydrogen Production Using Geothermal Power Plant With Binary Cycle</b></li> </ul>	<ul style="list-style-type: none"> <li>• Baik Mouloud, <b>Contribution to the study of the production of wind energy and hydrogen in different sites of Algeria</b></li> <li>• Tebibel hamou, <b>Complete Modelling of an Off Grid Hybrid Renewable Hydrogen Production System</b></li> <li>• Hadj Mahammed Idriss, <b>Optimization and modelization of PV-electrolyzer system for sustainable hydrogen</b></li> <li>• Mousli Mohamed Islam Aniss, <b>Comparative study of hydrogen production costs by pv-electrolyser system in different representative regions of Algeria</b></li> </ul>
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12:10-13:45	<b>Lunch</b>	
Dr A.Khellaf and M.Kherrat <b>Hydrogen Combustion</b>		
13:50-15:30	Pr. Dr.Ir. Roger Sierens <b>Plenary Session II: Hydrogen Application</b> <b>Hydrogen is Still the Fuel of the Future For IC Engines</b>	
<b>Thematic sessions</b>		
	Dr R.Rihani and L.Hamdi, Dr A.Boudjemaa: <b>Session C</b>	Dr L. Ziani, R.Dizene and M.Belacel: <b>Session D</b>
15:35-16:50	<ul style="list-style-type: none"> <li>Boufelfel Ahmed, <b>Dynamics and thermodynamics properties of L<sub>10</sub> FePdH</b></li> <li>Ali Boukhari, <b>Heat and Mass Transfer Study of Hydrogen Desorption Process in an Annulus-Disc Reactor</b></li> <li>Dadda Bachir, <b>Étude Numérique du Transfert de Chaleur et de Masse Dans un Réacteur D'hydrure Métallique</b></li> <li>Laouir ahmed, <b>Performance analysis of subcritical and transcritical open-loop cycles for LH<sub>2</sub> regasification</b></li> <li>Boudrifa ouassila, <b>First-principles study of the structural and thermodynamic properties of the complex K<sub>2</sub>PtCl<sub>6</sub>-structure hydrides Ba<sub>2</sub>O<sub>s</sub>H<sub>6</sub></b></li> </ul>	<ul style="list-style-type: none"> <li>Alliche Mounir, <b>Effect of bluff-body shape on stability of syngas combustion. Case of Methane-Hydrogen-Air flame</b></li> <li>Lounici Mohand said, <b>Effect of NG enrichment with H<sub>2</sub> on combustion characteristics of a dual-fuel diesel engine</b></li> <li>Chaabane Mokrane, <b>Biogas-hydrogen blends effect on emissions in an internal combustion engine: Numerical simulation</b></li> <li>Hadef Amar, <b>L'effet physique et chimique de remplacement de N<sub>2</sub> de l'air par le CO<sub>2</sub> dans une flamme de diffusion à contre courant d'un biogaz hydrogéné dans un régime sans flamme</b></li> <li>Benaissa Sabrina, <b>Le biogaz dopé par l'hydrogène, une approche pour l'enrichissement du biogaz au sein de la chambre de combustion</b></li> </ul>
16:50-17:00	<b>Coffee break</b>	
17:00-17:30	N. Kabouche, S. Menia, S.Zitouni, Y.Mohammedi <b>Poster Session 2</b>	
17:30-18:30	Dr A.Khellaf <b>Debate: Role of Hydrogen in Transition Energy</b>	



November 27, 2017			
Pr. Roger Sierens and F.Chellali <b>Hydrogen as an Energy Vector</b>			
08:30-09:10	Pr. Benini <b>Plenary session III: Hydrogène comme énergie du futur</b>		
9:10-9:20	<b>Coffee break</b>		
9:20-9:50	F. Lassouane, M. Medjouti, B. Abada, R.Medjbour <b>Poster Session 3</b>		
Thematic sessions			
	Dr H.Tebbibel and S.Menia: <b>Session E</b>		
	Dr F.Amrouche and M.Kherrat: <b>Session F</b>		
9:55-11:20	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>Ghiat Imane, <b>Sio2@Nio Core Shelle Nanoparticles For Efficient Photocatalytic Hydrogen Production From Waer And Under Visible Light Irradiation</b></li> <li>Boudjema Amel, <b>TiO<sub>2</sub>@Carbon spheres as photo-catalysts for hydrogen generation under visible irradiation</b></li> <li>Bagtache Radia, <b>A new hetero-junction p-CuO/Al2O3 for the H2 evolution under visible light</b></li> <li>Djebarri Baya, <b>Ni catalysts derived from hydrotalcite for the dry reforming reaction of methane. Effect of the addition of Cerium</b></li> <li>Cherif Ali, <b>Hydrogen Production from Methane Autothermal Reformer using metal foam</b></li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>Zoubaida Landolsi, <b>Effect of cycle numbers on physicals and photoelectrochemical properties of Fe<sub>2</sub>O<sub>3</sub> obtained by electrodeposition technique.</b></li> <li>Insaf TOU, <b>Microorganisms: biocatalysts biofilm in microbial fuel cell</b></li> <li>Abdi Hamid, <b>A two-dimensional model of water and heat management under flood conditions along the flow channel of a PEMFC</b></li> <li>Miled amel, <b>Effect of operating parameters on the dynamic behavior of a metal hydride pump equipped with a phase change material</b></li> <li>Hamdani Khathir, <b>Two-dimensional numerical modeling of first stage hydrogen magnetic liquefier using Ansys Fluent code</b></li> </ul> </td> </tr> </table>	<ul style="list-style-type: none"> <li>Ghiat Imane, <b>Sio2@Nio Core Shelle Nanoparticles For Efficient Photocatalytic Hydrogen Production From Waer And Under Visible Light Irradiation</b></li> <li>Boudjema Amel, <b>TiO<sub>2</sub>@Carbon spheres as photo-catalysts for hydrogen generation under visible irradiation</b></li> <li>Bagtache Radia, <b>A new hetero-junction p-CuO/Al2O3 for the H2 evolution under visible light</b></li> <li>Djebarri Baya, <b>Ni catalysts derived from hydrotalcite for the dry reforming reaction of methane. Effect of the addition of Cerium</b></li> <li>Cherif Ali, <b>Hydrogen Production from Methane Autothermal Reformer using metal foam</b></li> </ul>	<ul style="list-style-type: none"> <li>Zoubaida Landolsi, <b>Effect of cycle numbers on physicals and photoelectrochemical properties of Fe<sub>2</sub>O<sub>3</sub> obtained by electrodeposition technique.</b></li> <li>Insaf TOU, <b>Microorganisms: biocatalysts biofilm in microbial fuel cell</b></li> <li>Abdi Hamid, <b>A two-dimensional model of water and heat management under flood conditions along the flow channel of a PEMFC</b></li> <li>Miled amel, <b>Effect of operating parameters on the dynamic behavior of a metal hydride pump equipped with a phase change material</b></li> <li>Hamdani Khathir, <b>Two-dimensional numerical modeling of first stage hydrogen magnetic liquefier using Ansys Fluent code</b></li> </ul>
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13:30-16:00	Cultural event		