Symposium program

October 5, 2016	
8:30-9:00	**Opening registration**
	Welcome session
9:00-9:30	Directeur Général, DGRSDT Prof. N. Yassaa, directeur CDER Directeur Général, Bibliothèque Nationale d'Algérie Dr A. Khellaf, président du symposium
	Plenary session I: Fuel cell hydrogen as an energy vector
9:30-10:10	Dr. Spyros S. Voutetakis **Hydrogen energy from the past, for the present and the future of the planet - The technologies of hydrogen production and applications**
10:10-10:25	**Coffee break**
10:25-11:10	**Poster session 1**
11:10-11:50	Prof. Arunachala N. M. Kannan **Nanoelectrocatalysts for automotive fuel cells**
	Thematic sessions

	Session I	**Session II**
11:50-12:50	• Amel Boudjemaa, Mohamed Trari and Khaldoun Bachari, "**Characterization of an Active Site Working on Fe-SBA-15 Catalyst During the Water Reduction Under Visible Light Irradiation**" • Abdulkader Tabanjet, Mohamed Becherif, Daniel Hissel and Haitham Saad Mohamed Ramadan, "**Energy Management Hypothesis for Hybrid Power System of H2/WT/PV/GMT via AI Techniques**" • Fares Meziane, Abdalah Khellaf, Farouk Chellali and Kamal Mohammedi, "**A Dynamic Wind-Electrolyzer System for Hydrogen Production in the Region of Hassi R'mel (Algeria)**" • Derbal Halima, Benzaoui Ahmed, Belhamel Mayouf, "**Etude Technico-économique de la Production d'Hydrogène par les Centrales à Concentration Solaire**"	• Rafika Boudries, "**Techno-economic Study of Hydrogen Production at High Temperature**" • Devotha Nshimiyimana and Abdallah Khellaf, "**Investigation of an Autonomous Hydrogen-Based Renewable Energy System as a Power Source for Remote Area in Rwanda**" • Sidahmed Khodja Kirati, Mhammed Hammoudi and Mohamed Islam Mousli, "**Hydrogen Quantity and Quality Produced by Electrolyzer System Fed by Hybrid Energy System in Sahara Site of Algeria**" • H. Tebibel, I. Nouicer, S. Menia and A. Khellaf "**Comparative Performance Analysis of a Grid Connected PV System for Hydrogen Production Using Water, Methanol and Sulfur Electrolysis**" • Ahmed Mchid Hadjala and Abdallah Khellaf, "**Study of Geothermal Energy in Hydrogen Production**"
12:50-14:20	**Lunch**	

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	Plenary session II: hydrogen combustion	
14:20-15:00	Dr Fouzi Tabet **Review on syngas as an alternative fuel for power generation**	
	Thematic sessions	
	Session III	**Session IV**
15 :00-16:00	• Amel Boudjemaa, Khaldoun Bachari and Mohamed Trari, "**Photo-Electrochemical Characterization of Porous Material Fe-FSM-16. Application for Hydrogen Production**" • Amel Benmouna, Mohamed Becherif, Daniel Depernet, Frédéric Gustin and Mohamed Ebrahim, "**Energy Management of Hybrid Vehicle of Fuel Cell, Battery and Supercapacity in The Presence of Fault**" • Abdelhamid Mraoui, Linda Hassaine and Benyoucef Boumedienne, "**Optimization of Hydrogen Production by Electrolysis**" • Amina Gueridi, Abdallah Khellaf and Semmar Djaffar "**Study of a PV-Wind-Electrolyzer-Fuel Cell Hybrid System**"	• Kamel Benyelloul, Larbi Seddik, Youcef Bouhadda and Hafid Aourag, "**A New Methods to Estimate the Formation Enthalpy for Rare-Earth Dihydrides CeH_2 and DyH_2: Hydrogen Storage Technologies**" • Ahmed Laouir, "**Open-Loop Cycles for LH_2 Regasification**" • Belkadi Mustapha and Arezki Smaili, "**Performance predictions of a Multistage Active Magnetic Regenerator Cycle for Hydrogen Liquefaction**" • Kaci Samira, Keffous Aissa and Bozetine Isma, "**Nanostructured Lead Salt Thin Films: A Promising Material for Hydrogen Gas Sensors**"
16:00-16:15	**Coffee break**	
16:15-17:00	**Poster session 2**	
17:00-18:00	**R&D in hydrogen as an energy vector: Debate and recommendations**	

October 6, 2016	
	Plenary session: Hydrogen: applications
9:00-9:40	Prof. Abdesslem Djerdir **MobyPost: 10 véhicules à pile à combustibles et deux stations de ravitaillement en hydrogène pour la distribution du courrier**
9:40-10:20	Prof. Omar El Kadim **Stockage solide de d'hydrogène : application aux intermétalliques élaborés par mécanosynthèse**
10:20-10:40	**Coffee break**
10:40-11:20	**Poster session 3**

	Thematic session	
	Session V	**Session VI**
11:20-12:20	• Hakima Kebaili, Mostefa Kameche and Mustapha Charef, "**Testing the electroactivity of waste water of lake "ED DAYA" in Oran: application for microbial fuel cell**" • Khalil Benmouiza and Ali Cheknane, "**Analysis of Proton Exchange Membrane Fuel Cells Losses for Different Operating Parameters**" • Hadjadj Razika and Kaabar Wahiba, "**A Three-Dimensional Numerical Simulation of Proton Exchange Membrane at Different Channel Shapes**" • Kerkoub Youcef, Benzaoui Ahmed and Kerboua Ziari Yasmina, "**Channel geometric scales effect on performance and optimization for multiple serpentine proton exchange membrane fuel cell PEMFC**" • Salha Faleh Essghaier, Tahar Khir and Ammar Ben Brahim, "**Energetic and Exergetic Optimizations of a SOFC-GT Hybrid power plant**"	• Mohamed Salah Boulahlib, Florence Medaerts and Mourad Boukhalfa, "**Experimental study on combustion performances and emissions of a spark ignition cogeneration engine fuelled by natural gas, methane and methane-hydrogen blend in lean operating conditions**" • Alliche Mounir and Chikh Salah, "**Study of Non-Premixed Turbulent Flame of Hydrogen/Air Downstream Co-Current Injector**" • Mameri Abdelbaki and Tabet Fouzi, "**Flameless combustion of a hydrogenated biogas in opposed flow configuration**" • Khadidja Safer, Ahmed Ouadha and Fouzi Tabet, "**Entropy generation in turbulent syngas counter-flow diffusion flames**" • Amar Hadef, Nour-Eddine Benouda, Abdelbaki Mameri and Zeroual Aouahria, "**Effet de l'addition de H2 et H2O sur la structure interne et les espèces polluantes d'une flamme de diffusion laminaire à contre-courant d'un biogaz**"
12:30-13:00	**Closing ceremony**	
13:00-14:15	**Lunch**	
14:15-16:00	**Cultural event**	