

SUNDAY 1/10	
Registration	17.00-18.00
Opening of the conference_Maria K. Daletou	18.00-18.30
Plenary talk - Takeo Yamaguchi	18.30-19.20
Welcome Reception	20.00-22.00

MONDAY 2/10	
Registration	8.15-9.15
Keynote talk - Isotta Cerri Toyota beyond zero strategy: relentlessly towards H2 mobility	9.15-9.50
Large-Area Polymer Electrolyte Membranes for High Temperature PEM Fuel Cells, Georgios Charalampopoulos, Charalampos Anastasopoulos, <u>Alkaterini K. Andreopoulou</u> , Ioannis K. Kallitsis	9.50-10.10
PVDF-based aromatic hydrocarbon-containing proton exchange membranes with high performance in the hydrogen fuel cell, <u>Tamas Nemeth</u> , Zongyi Han, Lorenz Gubler	10.10-10.30
Improving Fuel Cell Electrode Ionomer Function Through Processing and Chemistry <u>Ahmet Kusoglu</u> , Ashley Bird, Kevin Espinet, Margaret Shen	10.30-10.50
Coffee Break	11.00-11.30
Electrocatalyst Layers containing Fluorine-Free Hydrocarbon Ionomers, Emmanuel Balogun, Peter Mardle, Simon Cassegrain, <u>Steven Holdcroft</u>	11.30-12.05
High capacity printing as an efficient tool for PEM fuel cell electrode production – Impact on the catalytic layer transport properties, Miroslav Hala, Martin Prokop, Martin Veselý, Pavel Čapek, Tatiana Zubkova, Kathleen Heinrich, Dana Mitra, Ralf Zichner, Andreas Willert, <u>Karel Bouzek</u>	12.05-12.25
Development of Non-PGM ORR electrocatalysts <u>Georgios Charalampopoulos</u> , Ilias Maniatis, Maria K. Daletou	12.25-12.45
The origin of ORR overpotential in HTPEMFCs <u>Panagiotis I. Giotakos</u> , Stylianos G. Neophytides	12.45-13.05
Lunch Time	13.15-15.30
Keynote talk - Peter Strasser Materials Science and Electrocatalysis of Hydrogen Production and Use in Polymer Electrolyte Membrane-based Devices	15.30-16.05
Evaluation of Iridium and Iridium oxide-based supported catalyst syntheses for oxygen evolution in PEM water electrolysis, <u>Marius Gollasch</u> , Jasmin Schmeling, Corinna Harms, Michael Wark	16.05-16.25
Spark ablation for the fabrication of PEM water electrolysis catalysts, Marek Lavorenti, Diwakar Kashyap, Erdem Irtem, Tobias V. Pfeiffer, <u>Mihalis N. Tsampas</u>	16.25-16.45
Development of supported Iridium-based OER electrocatalysts on titanium substrates for polymer electrolyte membrane water electrolysis (PEMWE) systems, <u>Nikoleta Stratakis</u> , Elpidia Zeza, Nikolaos Vasileiou, Stella Balomenou, Dimitrios Tsiplakides	16.45-17.05
Coffee Break	17.05-17.30
Electrochemically synthesized phosphide-based catalysts for hydrogen evolution reaction in alkaline environment, <u>Jaromír Hnat</u> , Martin Durovič, Karel Bouzek	17.30-17.50
Stability of microporous layer on the anode of PEM water electrolyser, <u>Martin Prokop</u> , Vojtech Drobny, Tomas Bystron, Martin Paidar, Karel Bouzek	17.50-18.10
Study of PEMs based on chloro-alkali electrolyzer for EDEN® technology, Iñaki Requena, <u>Mahmoud M. Goma</u> , Manuel A. Rodrigo, Justo Lobato	18.10-18.30
Corrosion study of Mo/SS bipolar plates for PEM electrolyzers, <u>Eirini Zagoraiou</u> , Jorge Torrero, Anastasia Maria Moschovi, Daniel Garcia-Sanchez, Iakovos Yakoumis	18.30-18.50

TUESDAY 3/10	
Keynote talk-Joris Proost or Blue Hydrogen : (much) more than a matter of colors !	Green 9.00-9.35
Fueling the Future of Aviation: Multiphysics Modeling for Evaluating the Efficiency of Next-Generation PEM Fuel Cells, <u>Maria Chiara Massaro</u> , Alessandro Hugo Antonio Monteverde	9.35-9.55
LT-PEMFC remaining useful life prediction for predictive maintenance, <u>Gaullier Gibey</u> , Elodie Pahon, Noureddine Zerhouni, Daniel Hissel	9.55-10.15
Multiscale, Multiphysics Modeling of Fuel-Cell Catalyst-Layer Phenomena, Shiyi Wang, Hailey Boyer, <u>Adam Z. Weber</u>	10.15-10.35
Excursion to Ionian Islands, with BBQ	11.00-18.00
Poster Session	18.30-19.30

WEDNESDAY 4/10	
Keynote talk - Dimitrios Papageorgopoulos Fuel Cell Technologies: A U.S. Department of Energy Perspective	9.00-9.35
HT PEM's Role and Challenges in Application for Zero-Emission Aviation, <u>Victor Belousov</u> , Rhonda Staudt, Vladimir Guterma, Emerald Taylor, Denis Nikitin, Sergei Shubenkov	9.35-9.55
Regenerative fuel cell, <u>Stylianos Neophytides</u> , Maria Daletou, Dimitrios Niakolas, Charalampos Neofytidis, Fotios Paloukis, Stella Balomenou, Dimitrios Tsiplakides, Kalliopi M. Papazisi	9.55-10.15
Polyelectrolytes based on poly(pentafluorostyrene),Hyeongrea Cho, <u>Vladimir Atanasov</u>	10.15-10.35
Efficient high temperature PEMFC metallic stack with innovative two-phase liquid cooling, <u>Charalampos Neofytidis</u> , Fotios Paloukis, Nikolaos Athanasopoulos, Stylianos G. Neophytides, Maria K. Daletou	10.35-10.55
Coffee Break	10.55-11.30
Keynote talk - Emory De Castro given by Panagiotis Bexis When rejection is good: HT PEM and heat rejection for mobility applications	11.30-12.05
Providing Efficient Energy with the SereneU High Temperature PEM Fuel Cell Unit, <u>Søren Juul Andreasen</u> , Christian R. Andersen	12.05-12.25
Development of functional ion-exchange polymeric materials to prevent phosphoric acid poisoning of high-temperature polymer electrolyte membrane fuel cells (HT-PEMFCs), <u>Won Jae Choi</u> , Ah-Hyeon Park, Da-Hee Kwak, Hyounmyung Park, Songi Oh, Sung-Hee Shin, Kyung-Su Kim, Ji-Hoon Jang, Changsik Song	12.25-12.45
Water transport in PEMFCs at intermediate temperatures, <u>Björn Eriksson</u> , Nikola Nikolic, Martina Butori, Carina Lagergren, Rakel Wreland Lindström, Göran Lindbergh	12.45-13.05
Lunch Time	13.05-15.00
Keynote talk- Lars Nilausen Cleeman PBI based high-temperature PEM Fuel Cells – Performance and lifetime	15.00-15.35
Keynote talk- Brian C. Benicewicz - Polybenzimidazoles – New materials and applications,	15.35-16.10
HT-PEM fuel cell systems: current applications and perspectives, <u>Volker Harbusch</u> , Felix Hennesperger	16.10-16.30
Coffee Break	16.30-17.00
Advanced high-temperature ionomers for fuel cells and hydrogen pumps, <u>Christopher G. Arges</u> , Karthik Arunagiri, Deepra Bhattacharya, Gokul Venugopalan, Luis Briceño-Mena, Andrew Jark-Wah Wong, Jose Romagnoli, Michael Janik	17.00-17.20
Electrochemical Investigation of Different Gas Diffusion Layers and Electrodes for HT-PEM Fuel Cells, Nadine Piliński, <u>Dana Schonvogel</u> , Lisa M. Uhlig, Henrike Schmies, Julia Müller-Hülstede, Peter Wagner	17.20-17.40
Development of CCM Manufacturing Process for Improvement of High Temperature PEMFC Performance, <u>Sung-Hee Shio</u> , Da-Hee Kwak, Hyounmyung Park, Ah-hyeon Park, Songi Oh, Won Jae Choi, Ji-Hoon Jang	17.40-18.00
GALA DINNER	20.00

THURSDAY 5/10	
CDP based solid acid high temperature PEM fuel cell, <u>George Bandlamudji</u> , Jens Wartmann	9.30-9.50
Sulfonated poly(phenylene sulfones) for PEM-fuel cells and electrolyzers: reducing water-swelling and gas-crossover by controlling their sulfonation sequence, <u>Giorgio Titvinidze</u> , Klaus-Dieter Kreuer, Carolin Klose, Didem Yazili, Michael Schuster	9.50-10.10
Gas diffusion layer influences on water diffusion, drag and absorption in an anion-exchange membrane fuel cell, Henrik Grimler, <u>Nikola Nikolic</u> , Henrik Ekström, Carina Lagergren, Rakel Wreland Lindström, Göran Lindbergh	10.10-10.30
Anion exchange membranes based on chemical modification of PET, <u>Varun Donnakkatte Neelalochana</u> , Eleonora Tomasino, Paolo Scardi, Narges Ataollahi	10.30-10.50
Coffee Break	11.00-11.30
The production development process of an industrial scale alkaline electrolyzer system, <u>Georgios Neofytidis</u>	11.30 - 11.50
Novel Ion-Solvating and AEM Chemistries membranes for alkaline water electrolysis, <u>Valadoula Delmede</u> , Maria Makrygianni, E. Loukopoulou, Sara Goshi, S. Seselj, Ioannis K. Kallitsis	11.50-12.10
CLOSING REMARKS	12.10-12.40
Lunch Time	12.45