

PROGRAMME

TUESDAY - JUNE 5, 2018

9:30-11:00	SS2 Special Session 2: Micro-Grids: Modelling, Design, Management, and Control	OS7 Active distribution networks II	OS8 Energy Storage and Renewables II
Room	<i>Panorama</i>	<i>Atrium A</i>	<i>Atrium B</i>
Session Chair	<i>Lenos Hadjidemetriou, Leila Ghomri</i>	<i>Grigoris Papagiannis</i>	<i>Alexis Polycarpou</i>
	121 Improving the Controllability of Microgrids through DC-links <i>Jose L. Martinez-Ramos, Alejandro Marano-Marcolini, Francisco de Paula García-López, Jose María Maza-Ortega, Manuel Barragán-Villarejo</i>	127 Influence of Inaccurate Low Voltage Microgrid Synchronization on Synchronous Generators <i>Simon Eberlein, Krzysztof Rudion</i>	139 PV-Battery Integrated Module as a Solution for Off-Grid Applications in the Developing World <i>Victor Vega-Garita, Diego de Lucia, Nishant Narayan, Laura Ramirez-Elizondo, Pavel Bauer</i>
	164 Modeling and Real Time simulation of Microgrids in Algerian Saharian Area <i>Leila Ghomri, Mounir Khiat, Sid Ahmed Khiat</i>	146 Optimal Siting of BESS in Distribution Networks under High Wind Power Penetration <i>Georgios Christoforidis, Aggelos Bouhouras, Stefanos Ntomalis, Georgios Nakas, Paschalis Gkaidatzis, Dimitrios Labridis</i>	123 Provision of Frequency Control by a BESS in Combination with Flexible Units <i>Lakshmi Srinivasan, Uros Markovic, Marina González Vayá, Gabriela Hug</i>
	179 Design Factors for Developing a University Campus Microgrid <i>Lenos Hadjidemetriou, Lazaros Zacharia, Elias Kyriakides, Brian Azzopardi, Stefanos Azzopardi, Renata Mikalauskiene, Salem Al-Agtash, Mohammad Al-hashem, Apostolos Tsolakis, Dimitrios Tzovarvas, Demosthenis Ioannidis</i>	81 Estimation of Voltage Sensitivities to Power Injections using Smart Meter Data <i>Gustavo Valverde, Thierry Zufferey, Stavros Karagiannopoulos, Gabriela Hug</i>	107 Economic Viability of Battery Energy Storage System Applications <i>Christos Yianni, Michalis Florides, Stavros Afxentis</i>
	133 Fault Current Calculations for Interlinked Hybrid Microgrids <i>Ahmed Sallam, Magdy Salama, Mohammed Nassar</i>	60 Optimal Siting and Sizing of DG units for a MV Network Going Through Voltage Transition <i>Rene Prenc, Aleksandar Cuculić, Tomislav Capuder, Josep M. Guerrero</i>	51 ESTOR: A Versatile and Wide Spectrum Database for Energy STORAGE Technical Data <i>Fabien Perdu, Romain Tessard, Boris Berseneff, Lise Daniel, Sébastien Rosini</i>
11:00-11:30	Coffee Break		
11:30-12:30	Keynote Speech III: Shipboard and Seaport Microgrids: also going to DC? Prof. Josep M. Guerrero <i>Room: Panorama</i>		
12:30-14:00	Lunch		
15:00	Excursion / Conference Dinner		