

Session	9:30-11:00 Session Name	Session Chair	Session	14:00-15:30 Session Name	Session Chair	Session	16:00-17:30 Session Name	Session Chair
I	<b>Special Session IV: Advance concepts for large integration of EV (9:30-11:00)</b>	TBD	I	<b>Energy Conversion and Power Delivery</b>		I	<b>Demand response and Energy Management</b>	
<b>Paper</b>	<b>Paper title</b>	<b>Authors</b>	<b>Paper no.</b>	<b>Paper title</b>	<b>Authors</b>	<b>Paper no.</b>	<b>Paper title</b>	<b>Authors</b>
175	Optimal Sizing of Battery Storage Units Integrated into Fast Charging EV Stations	Vjekoslav Salapic, Mirna Gržanic, Tomislav Capuder	36	Concept Design of a Test Bench for Wind Energy Conversion Systems with PMSG Considering Electrical and Mechanical Interactions	Katharina Günther, Constantinos Sourkounis, Martin Oddey	25	Application of Multilevel Demand Subscription Pricing for Mobilizing Residential Demand Response in Belgium	Yuting Mou, Anthony Papavasiliou, Philippe Chevalier
176	Profit Margin of Electric Vehicle Battery Aggregator	Ivan Pavić, Hrvoje Pandžić, Tomislav Capuder	92	Controlling excitation of synchronous motors to provide constant reactive power despite varying load	Andreas Michaelides, Thanos Nicolaou	28	Balancing Energy Production and Consumption in Energy Efficient Neighbourhoods	Krzysztof Piotrowski, Marcel Geers, Daniel Garrido, Jaime Chen, Juan Jacobo Perálta, Augusto Casaca, Marco E. T. Gerards
177	Dissemination of the Electric Vehicle Battery Swapping Station (EVBASS) Project	Hrvoje Pandžić, Tomislav Capuder	62	Power Quality Challenges and Mitigation Measures in Grid Integration of Wind Energy Conversion Systems	Julius Gathua Ndirangu, MIEEE, John Nderu, Christopher Muriithi, Asaph Muhia	174	Real-time optimal scheduling for prosumers resilient to regulatory changes	Irina Ciornei
180	Survey on Electric Vehicles and Battery Swapping Stations: Expectations of Existing and Future EV Owners	Vedran Bobanac, Hrvoje Pandžić, Tomislav Capuder	94	Improved Synergetic Control in Multi-Terminal HVDC Grid for Offshore Wind Power Delivery	Aysar Musa, Lorenzo R. Sabug, Antonello Monti	80	Development of Real Time Energy Pricing Schemes that Incentivize Behavioral Changes	Konstantinos Steriotis, Georgios Tsaosoglou, Nikolaos Eftymiopoulos, Prodromos Makris, Emmanouel Varvarigos
II	<b>Modelling, Simulation, and Operation of microgrids or isolated</b>		II	<b>Power systems modelling and planning</b>		II	<b>Information and Communication Technologies in Power Systems II</b>	
<b>Paper</b>	<b>Paper title</b>	<b>Authors</b>	<b>Paper no.</b>	<b>Paper title</b>	<b>Authors</b>	<b>Paper no.</b>	<b>Paper title</b>	<b>Authors</b>
63	Computation of Electrical Equipment Load Behavior Regarding to Frequency Variations in Isolated Grids	Christoph J. Steinhart, Simon Kreutmayr, Michael Finkel, Rolf Witzmann	2	Tools for Validation and Calibration of Very Large Power System Models	stijn cole, François Promel	26	eCHDNA: Continuous Data Validation in Advanced Metering Infrastructures	Joris van Rooij, Marina Papatriantafyllou, Vincenzo Gulisano, Magnus Almgren, Johan Swetén
142	Smart Grid Modeling and Simulation - Comparing GridLAB-D and RAPSIm via two Case Studies	Midhat Jideed, Ekanki Sharma, Christoph Klemenjak, Wilfried Elmenreich	53	Planning Criteria Benchmarking and Voltage Stability Study for Marafiq's Yanbu Network	stijn cole, François Deplierreux, Mohammad Asmal Mandili, Ali Ahmad Mohammed Shubaili	136	Spatial services for decentralised smart green energy management	houssen ben mahfoudh, Giovanna Di Marzo Serugendoo, Nabil Abdennadher, Andreas Rumpf, Andres Upegui
153	A study in microgrid ownership effects on investment risk in comparison to underground cabling	Tony Rosqvist, Sanna Uski, Janne Sarsama	147	An Outline of an Active Power Reserve Sharing Process Across Continental Europe	Marc Scherer, Göran Andersson	70	Future Perspectives of Co-Simulation in the Smart Grid Domain	Cornelius Steinbrink, Florian Schlägl, Davood Babazadeh, Sebastian Lehnhoff, Sebastian Rohjans, Anand Narayan
143	Decentralized coordination for mutual rescue in microgrid clusters	Jin WEI, ROBIN ROCHE	74	Unified Power Flow Controller Modeling and Analysis Technique on the GCC Power Grid	Tariq Masood, Muhammad Chughtai, Suhail Aftab Qureshi, Ghulam Hashmi, sameer Karim Shah, DP Kothari, Nasir Jameel	161	Smart Grid Applications using Conic Optimization	George Korres
III	<b>Power system protection</b>		III	<b>Information and Communication Technologies for Smart Grids</b>		III	<b>Special Session III: Digitization era for the smart energy grid: Innovative S/W platforms, services, applications and business models (16:00-17:30)</b>	
<b>Paper</b>	<b>Paper title</b>	<b>Authors</b>	<b>Paper no.</b>	<b>Paper title</b>	<b>Authors</b>	<b>Paper no.</b>	<b>Paper title</b>	<b>Authors</b>
65	Time Delay Aspect for Basic Line Protection Functions with Synchronphasor in WAMPAC System	Igor vankovic	24	Standardized Communication Systems for Distributed Energy Resources in Micro Grids	Heinz Frank, Ajit Toradmal	21	SOCIALENERGY: A Gaming and Social Network Platform for Evolving Energy Markets' Operation and Educating Virtual Energy Communities	Prodromos Makris, Nikolaos Eftymiopoulos, Dimitrios J. Vergados, Emmanouel Varvarigos, Vassilis Nikolopoulos, John Papagiannis, Andrew Pomazanskiy, Boris Irmscher, Krassen Stefanov, Katina Pancheva, Atanas Georgiev
103	Application of Shunt Busbar Capacitor Installations For Protection of VSC-MTDC Grids	Mani Ashouri, Claus Leth Bak, Filipe Faria da Silva	31	Predicting Communication Delays in Open Networks for Frequency Control of Smart Grids	Huadong Mo, Giovanni Sansavini	83	A Novel Pricing Scheme for Virtual Communities Towards Energy Efficiency	Ioannis Mamounakis, Nikolaos Eftymiopoulos, Georgios Tsaosoglou, Dimitrios Vergados, Prodromos Makris, Emmanouel Varvarigos
115	Hierarchically Coordinated Protection: A Key Element in Improving Power System Resilience	Mohammad Tasdighi, Mladen Kezunovic	126	An Integrated NAN Architecture for Smart Energy Grid	Nikolaos Angelis, Nikolaos Archontos, Demosthenes Vouvloukas, Nikolaos Nomikos,	99	Facilitating Integration and Interplay in the DSOs' IT Ecosystem	Illias Lamprinos
20	Under-Frequency Load Shedding in the European Interconnection System- A multi-country model for UFLS analyzation under the impact of renewables	Andre Richter, Martin Wolter	41	The Method of Narrow Band PLC Channels Throughput Increase	Anton Merkulov	112	ChArGED: Improving energy efficiency in public buildings through IoT-enabled energy disaggregation and serious games	Nikos Dimitriou, Anastasia Garbi, Thanasis Papaioannou
						150	Data-driven utility consumer engagement case-studies: understanding the end consumer's behavioral journey	Vassilis NIKOLOPOULOS, John Papagiannis
						163	A Sensor-Enabled Rule Engine for Changing Energy-Wasting Behaviours in Public Buildings	Thanasis Papaioannou, Kostas Vasilakis, Nikos Dimitriou, Anthony Schoofs, Anastasia Garbi