

9:30-11:00			11:30-13:00		
Session I	Session Name	Session Chair	Session V	Session Name	Session Chair
	Energy Efficient Buildings	TBD		Distributed Energy Generation and Renewable Energy Sources	
Paper no.	Paper title	Authors	Paper no.	Paper title	Authors
105	Energy scheduling in non-residential buildings integrating battery storage and renewable solutions	Lenos Hadjidemetriou, Lysandros Tziouvani, Panayiotis Kolios, Elias Kyriakides	137	Hardware-in-the-loop test bench for investigation of DER integration strategies within a multi-agent-based environment	Manswet Banka, Daniel Contreras, Krzysztof Rudion
135	Enhancing Storage Integration in Buildings with Photovoltaics (PV-ESTIA project)	Angelos Nousedilis, Georgios Kryonidis, Eleftherios Kontis, Grigoris Papagiannis, Georgios Christoforidis, Aggelos Bouhouras, George Georghiou, Stavros Afxentis, Ioannis Papageorgiou, Sanja Veleva, Marija Kacarska, Vlastimir	140	Efficiency of Photovoltaic Systems in Mountainous Areas	Sri Rama Phanindra Chitturi, Ekanki Sharma, Wilfried Elmenreich
98	Cost-Effective Optimization for an Energy Efficient Design of Electrical Installations of Buildings	Demetris Monoyios, Lenos Hadjidemetriou, Lazaros Zacharia, Elias Kyriakides	64	Stochastic Unit Commitment and Reserve Scheduling under Gas-Supply Disrupted Scenarios	Andrea Antenucci, Giovanni Sansavini
34	Optimal management of energy storage systems for residential customers with photovoltaic generation	Simone Paoletti, Antonio Giannitrapani, Antonio Vicino, Francesco Antonini	109	Leveraging Provision of Frequency Regulation Services from Wind Generation by Improving Day-Ahead Predictions using LSTM Neural Networks	J�r�mie Bottieau, Zacharie De Gr�ve, Fran�ois Vall�e, Jean-Fran�ois Toubeau
II Electricity Market			VI Monitoring and control of active distribution grid		
Paper no.	Paper title	Authors	Paper no.	Paper title	Authors
33	Energy Arbitrage of Hydrogen-Bromine Flow Battery Between the Day-Ahead and Imbalance Electricity Markets Considering Price Uncertainty	Yaser Tohidi, Madeleine Gibescu, Wiebrand Kout	162	Formulation of the Measurement Noise Covariance Matrix in Linear State Estimation	Styliani Sarri
47	Projecting solar photovoltaic efficiencies from lab to market	Iris van Beuzekom, Bri-Mathias Hodge, Han Slootweg	148	Utilizing Flexibility Resources in the Future Power System Operation: Alternative Approaches	Giulia De Zotti, Seyyed Ali Pourmousavi Kani, Henrik Madsen, Niels Kj�lstad Poulsen
6	Optimal coordinated bidding of a profit-maximizing EV aggregator under uncertainty	Yelena Vardanyan, Frederik Banis, S. Ali Pourmousavi, Henrik Madsen	132	Probabilistic Impact of the Connection of a New DG unit in a Power System Subject to Active Network Management	Juan SUN, Pierre-Etienne LABEAU, Arnaud Vergnol
97	A price decision approach for multiple multi-energy-supply microgrids considering demand response	Bei Li, Robin Roche, Damien Paire, Abdellatif Miraoui	96	A Conceptual Framework for Energy Loss Minimization in Meshed MV Networks	Georgios Kryonidis, Charis Demoulias, Grigoris Papagiannis
III Modelling of renewable energy sources and storage technologies			VII Energy Storage and Renewables III		
Paper no.	Paper title	Authors	Paper no.	Paper title	Authors
67	Estimating PV forecasting models from power data	Daniele Pepe, Gianni Bianchini, Antonio Vicino	124	Droop vs. Virtual Inertia: Comparison from the Perspective of Converter Operation Mode	Ron Ofir, Uros Markovic, Petros Aristidou, Gabriela Hug
100	Modeling of a photovoltaic system with different MPPT techniques using MATLAB/Simulink	Maria Argyrou, Paul Christodoulides, Soteris Kalogirou	129	On the Virtual Inertia Provision by BESS in Low Inertia Power Systems	Lucian Toma, Mihai Sanduleac, Stefan Andrei Baltac, Francesco Arrigo, Andrea Mazza, Aysar Musa, Ettore Bompard, Antonello Monti
104	Machine Learning Algorithms for Photovoltaic System Power Output Prediction	Spyros Theocharides, George Makrides, Andreas Kyprianou, George Georghiou	110	Leveraging Provision of Frequency Regulation Services from Wind Generation by Improving Day-Ahead Predictions using LSTM Neural Networks	J�r�mie Bottieau, Zacharie De Gr�ve, Fran�ois Vall�e, Jean-Fran�ois Toubeau
130	A modeling methodology to evaluate the impact of temperature on Solar Home Systems for rural electrification	Nishant Narayan, Victor Vega-Garita, Zian Qin, Jelena Popovic-Gerber, Pavol Bauer, Miroslav Zeman	89	Implementing Artificial Neural Networks in Energy Building Applications – A Review	Giorgos Georgiou, Paul Christodoulides, Soteris Kalogirou