NO	ID	Title	Authors	PRESENTED	NON-PRESENTED	
1	9	Design of Fault-Tolerant Cascaded H-Bridge Multilevel Inverter with Output-Side Transformers Using Bidirectional Switches	Muhammet Biberoglu, Kayhan Ince, Filiz Karaosmanoglu	PRESENTED		PAID
2	11	Application of Brushless Excitation System in Wind Power Generation	Sarmistha Mishra, Akshay Kumar	PRESENTED		PAID
3	13	Distributed Control of Photovoltaic- Based Microgrid	Khalid Ateea, Ashraf Khalil		NON-PRESENTED	PAID
4	14	Single Phase Multilevel String Inverter for Solar Applications	Ersan Kabalci, Yasin Kabalci, Ridvan Canbaz, Goksel Gokkus	PRESENTED		PAID
5	15	Dual DC-DC Converter Design for String Inverters Used in Solar Plants	Ersan Kabalci,Yasin Kabalci, Goksel Gokkus	PRESENTED		PAID
6	17	Impact of Fill Factor on Input Current Ripple of Photovoltaic System	Ahmad El Khateb, Nasrudin Abd Rahim, Barry Williams	PRESENTED		PAID
7	22	Analytical Estimation in APF Sizing for Networks of Analogous Loads	Mohamed Tarnini, Alaaeddine Abdallah	PRESENTED		NOT PAID
8	23	Substation switching arrangements using Compact Hybrid Modules	Jorge Quintina, Benjamin Marin	PRESENTED		PAID
9	24	Impact of Photovoltaic Integration on Voltage Variation of Brazilian Secondary Network Distribution System	Leonardo Bitencourt, Annelys Schetinger, Bruno Borba, Daniel Dias, Rena Maciel	PRESENTED		PAID
10	28	Determination the Relation Between the Target Regulations about End of Life Vehicles, (Elvs) and Greenhouse Gas Emissions in Turkey	Burcu Onat	PRESENTED		PAID
11	29	Extending Flight Endurance of Electric Unmanned Aerial Vehicles through Photovoltaic System Integration	Gustavo Bertoli, Gefeson Pacheco, Geraldo Adabo	PRESENTED		PAID
12	30	A Straight Forward Method: Biochemical Methane Potential Assay	Vedat Yilmaz	PRESENTED		PAID
13	35	An Investigation of Physical and Energy Properties of Briquette Fuel Mixed with Cotton Dust (CD) and Carbonized Cotton Dust (CCD)	Borvorn Israngkura Na Ayudhya, Boonsri Kusuktham, Siripol Suvunnapob		NON-PRESENTED	PAID
14	37	Design and Development of Canal Ship Based on Overhead Wires	Jianglong Wan, Xinping Yan, Qizhi Yin, Yupeng Yuan, Kai Wang, Qizhen Jiang	PRESENTED		PAID
15	40	Local Demand Response and Load Planning System for Intelligent Domestic Appliances	Karl Stephan Stille, Joachim Böcker	PRESENTED		PAID
16	43	Electro Thermal Model of IGBT Three-Level Neutral-Point-Clamped Rectifier for Synchronous Reluctance Generator in Wind Power Application	Mohammed Alnajjar, Dieter Gerling	PRESENTED		PAID
17	46	Neural-Network Based Vector Control of VSCHVDC Transmission Systems	Eduardo Alonso	PRESENTED		PAID
18	52	Hydropower Plants Tail Water Energy Production and Optimization	Kerim Mehmet Murat Tunc	PRESENTED		PAID
19	54	Improvement of Transient Response to Islanding Control of Microgrid with Bidirectional Inverter	Hsiang Lin Huang, Yih-Der	PRESENTED		PAID

NO PARTICIPATION

			Lee, Yung-Ruei Chang		
20	55	A Hybrid Low-Power System Used to Supply a Local Consumer	Dan Gabriel Stanescu, Mircea Emilian Ardeleanu, Remus Constantin Popescu	PRESENTED	PAID
21	56	Analysis of Solar Inverter THD According to PWM's Carrier Frequency	Hasan Cangi, Suleyman Adak	PRESENTED	PAID
22	57	Power Monitoring Based Photovoltaic Installation Fault Detection	Yves Stauffer, Andreas Hutter, Damien Ferrario, Emmanuel Onillon	PRESENTED	PAID
23	59	Markov Process Reliability Model for Photovoltaic Module Encapsulation Failures	Mohamed Khalil, Loredana Cristaldi, Marco Faifer, Payam Soulatiantork	PRESENTED	PAID
24	60	Multi-Time Series and -Time Scale Modeling for Wind Speed and Wind Power Forecasting Part I: Statistical Methods, Very Short-Term and Short-Term Applications	Ilhami Colak, Seref Sagiroglu, Mehmet Yesilbudak, Ersan Kabalci, Halil Ibrahim Bulbul	PRESENTED	PAID
25	61	Multi-Time Series and -Time Scale Modeling for Wind Speed and Wind Power Forecasting Part II: Medium- Term and Long-Term Applications	Ilhami Colak, Seref Sagiroglu, Mehmet Yesilbudak, Ersan Kabalci, Halil Ibrahim Bulbul	PRESENTED	PAID
26	62	Electric and Magnetic Emission in Near Field Region and Thermal Behaviour of Power Module for Photovoltaic Application	Giovanni Tine, Antonio Cataliotti, Rosario Miceli, Dario Di Cara, Giuseppe Marsala, Antonino Pecoraro, Antonella Ragusa	PRESENTED	PAID
27	63	State Estimation on Stand-Alone DC Microgrids through Distributed Intelligence	Wesley Doorsamy, Willem Cronje	PRESENTED	PAID
28	64	Contact-Less Electromagnetic Recharging System for Heavy-Duty Bus Flywheel Storage	Andrea Tortella, Mauro Andriollo, Fabio Graziottin	PRESENTED	PAID
29	65	Overvoltage Mitigation in Open Winding AC Motor Drives	Giacomo Scelba, Giuseppe Scarcella, Antonio Testa, Salvatore Foti, Mario Cacciato, Salvatore De Caro	PRESENTED	PAID
30	68	Evaluating Method of Effectiveness of Light Energy's Utilization Based on Service Requirement	Bingzhuo Zhong, Xiaolong Li, Ziyan Zou	PRESENTED	PAID
31	69	Hybrid Solar Gas Reliability Optimization Using Cat Swarm Optimization under Performance and Cost Constraints	Meziane Rachid	PRESENTED	PAID
32	70	Distributed Renewable Generation and Storage Systems Sizing in Deregulated Energy Markets	Raji Atia, Noboru Yamada	PRESENTED	PAID
33	73	Influence of Axial Direction on Performance of Biomimetic Sealing System	Yoshitaka Nakanishi, Jason Sanderson, Takuro Honda, Keiji Kasamura, Yuta Nakashima, Hidehiko Higaki	PRESENTED	PAID

34	74	A Novel Topology and Its Control of Single-Phase Electric Springs	Wang Qingsong, Ming Cheng, Zhe Chen, Giuseppe Buja	PRESENTED	PAID
35	77	An Aerodynamic Modelling Methodology for an Offshore Floating Vertical Axis Wind Turbine	Brian Hand, Andrew Cashman, Ger Kelly	PRESENTED	PAID
36	79	Validation of Hydroelectric Power Plant Model for Speed Governor Development Studies	Derya Murat, Ilhan Koşalay, Dogan Gezer, Cem Şahin	PRESENTED	PAID
37	81	Strategy Photovoltaic Pumping System in Scattered Area	Moulay-Idriss Chergui	PRESENTED	NOT PAID
38	86	Feasibility of Heat Recovery for District Heating Based on Cloud Computing Industrial Park	Feng Huang, Jun Lu, Jie Zheng, Jean-Michel Baleynaud	PRESENTED	PAID
39	88	Harvesting Electric Power with a Cane for Radio Communications	Hiroki Sato, Toshiaki Yachi	PRESENTED	PAID
40	89	SM-MRAS Based Sensorless MPPT Control for Dual Power Flow Wind Energy Conversion System	Ying Zhu, Ming Cheng, Wang Qingsong	PRESENTED	PAID
41	90	Design of an Energy Storage Converter for Microgrid Applications	Li Yuan Liu, Ming Chih Tsai, Chia Lun Hsu, Kuo Yuan Lo, Yung- Ruei Chang	PRESENTED	PAID
42	91	Performance of a DC-Based Microgrid System in Okinawa	Taichiro Sakagami, Yoshiyuki Asai, Annette Werth, Daisuke Kawamoto, Mario Tokoro, Hiroaki Kitano	PRESENTED	PAID
43	93	Analysis of Fuel Supply in Zigzag- Type DMFC with Channels by Three-Dimensional Simulation	Mio lijima, Toshiaki Yachi	PRESENTED	PAID
44	95	Winding Reconstruction Based on Magnetic Flux Density in Air-Gap of IM	Radoslav Cipin, Petr Prochazka, Ivo Pazdera	PRESENTED	PAID
45	97	Battery-Supercapacitor Hybrid Energy Storage System with Reduced Low Frequency Input Current Ripple	Damith Wickramasighe Abeywardana, Branislav Hredzak, Vassilios Agelidis	PRESENTED	PAID
46	99	Smart Net Metering Models for Smart Grid in India	Jagruti Thakur, Basab Chakraborty	PRESENTED	PAID
47	101	Experimental Investigation of Two Modified Energy-Saving Constructions of Solar Greenhouses	Vladimir Ermuratskii, Valentin Oleschuk, Frede Blaabjerg	PRESENTED	PAID
48	102	Analysis and Optimization on a Novel High-Temperature Thermoelectric Generator System	Haoyu Xu, Xiaolong Gou, Shaowei Qing, Huifeng Ping	PRESENTED	PAID
49	104	Class-E^2 Inductive Power Transfer System with Pre- and Post- Regulators	Tomoharu Nagashima, Xiuqin Wei, Hiroo Sekiya	PRESENTED	PAID
50	105	A DP Based Scheme for Real-Time Reconfiguration of Solar Cell Arrays Exposed to Dynamic Changing Inhomogeneous Illuminations	Liping Shi, Robert Brehm	PRESENTED	PAID
51	108	The Proposed Design of Co- Combustion Stoker for Şırnak Agricultural Biomass Waste and Şırnak Asphaltite in 35MW Electricty Production	Yildirim Tosun	PRESENTED	PAID

52	110	Comparison of Different Carbon- Free Near Surface Heating and Cooling Sources Usability in Low Energy Network	Anne Mäkiranta, Birgitta Martinkauppi, Erkki Hiltunen, Mauri Lieskoski	PRESENTED	PAID
53	112	A Switched Reluctance Motor Drive Using Photovoltaic Transistors: Principle, Prototype, Experimental and Numerical Results	Loic Queval, Alain Coty, Lionel Vido, Raimund Gottkehaskamp, Bernard Multon	PRESENTED	PAID
54	113	Green Energy from the Ocean	Stefan Balluff, Jörg Bendfeld, Stefan Krauter	PRESENTED	PAID
55	114	Short Term Wind And Energy Prediction for Offshore Wind Farms Using Neural Networks	Stefan Balluff, Jörg Bendfeld, Stefan Krauter	PRESENTED	PAID
56	115	Multi-Agent Based Power and Energy Management System for Hybrid Ships	Daogui Tang, Xinping Yan, Yupeng Yuan, Kai Wang, Liqiang Qiu	PRESENTED	PAID
57	119	Study on Effect of Ship Low Frequency Vibration on the Output Characteristics of PV Cells under Different Solar Irradiation	Yan Zhang, Yuwei Sun, Hu Luo, Yang Wang	PRESENTED	PAID
58	120	Design, Implementation and Testing of Theft and Maintenance Monitoring of Batteries of Stand- Alone SPV Systems	Dakshayani Jangamshetti, Suresh Jangamshetti	PRESENTED	PAID
59	121	Research on the Transient Characteristic of Photovotaics-Ship Power System Based on PSCAD/EMTDC	Yuwei Sun, Yuanchao Qiu, Chengqing Yuan, Xujing Tang, Yang Wang, Qizhen Jiang	PRESENTED	PAID
60	122	The I-V Characteristics of Solar Cell under the Marine Environment: Experimental Research	Yuwei Sun, Xinping Yan, Chenqing Yuan, Hu Luo, Qizhen Jiang	PRESENTED	PAID
61	124	Optimal Placement and Sizing of Active In-Line Voltage Regulators in Flemish LV Distribution Grids	Nikolaos Efkarpidis, Tom De Rybel, Johan Driesen	PRESENTED	PAID
62	125	A Constant-Current Constant- Voltage Charging Based Control and Design Approach for the Parallel Resonant Converter	Taha Gucin, Muhammet Biberoglu, Bekir Fincan	PRESENTED	PAID
63	127	Experimental Noise and Vibration Analysis of Switched Reluctance Machines - Comparison of Soft and Hard Chopping in Transient Conditions	Yves Mollet, Mathieu Sarrazin, Herman Van Der Auweraer, Johan Gyselinck	PRESENTED	PAID
64	128	Energy Storage Sizing by Stochastic Optimization for a Combined Wind- Wave-Diesel Supplied System	Héctor Marañón Ledesma, Elisabetta Tedeschi	PRESENTED	PAID
65	129	Effect of Damping Coefficient on Power Generated & Comfort Index in Energy Regenerative Damper for Automobile Suspension System	Prashant Todmal, Stefano Melzi	PRESENTED	PAID
66	131	Hybrid AC-DC Electrical Installations on Low- Voltage Level	Abdulah Aksamovic	PRESENTED	PAID
67	132	Research on Power Load Flow Calculation for Photovoltaic-Ship Power System Based on PSAT	Chang Guo, Yuwei Sun, Chengqing Yuan, Xinping Yan, Yang Wang, Qizhen Jiang	PRESENTED	PAID
68	133	Modelling and Experimentation of Grid-Forming Inverters for Standalone Hybrid Wind-Battery Systems	Leong Kit Gan, Jonathan K.H. Shek, Markus Mueller	PRESENTED	PAID

76	142	Planning of the Optimal Distribution of Renewable Energy in Hokkaido, Japan	Shin'ya Obara, Okada Masaki, Yuji Ito Kyosuke Ishikawa, Shin'ya	PRESENTED	PAID
76	142		Okada Masaki, Yuji Ito Kyosuke	PRESENTED	PAID
		Exchangers Research on Reduction of Fuel	Masamitsu Takabatake, Ryo Kawai Takuya Kanai,		PAID
78	145	Consumption in the Showa Base Microgrid by Using Distributed Diesel Generators	Shin'ya Obara, Kenji Ishizawa, Taiki Ouchi, Ryo Hamanaka	PRESENTED	PAID
79	146	Contribution of a Hydrogen Storage- Transportation System to the Frequency Regulation of a Microgrid	Jorge Morel, Shin'ya obara, Katsuaki Sato, Daisuke Mikawa, Hiroshi Watanabe, Tsunashi Tanaka	PRESENTED	PAID
80	147	Six-Phase Vehicular Drive with Renewable DC Sources and Hybrid PWM Control of Four Inverters	Valentin Oleschuk, Vladimir Ermuratskii, Frede Blaabjerg	PRESENTED	PAID
81	149	New Approaches in Street Lightings in Turkey	Erdeniz Erol, Emrah Kalkan, Deren Atli	PRESENTED	PAID
82	150	A Novel Topology for Improved DC Bus Utilization in PMSG Based Wind Energy Generation System	Ramachandra Sekhar Kondapalli, Rohan Barot, Prashant Patel, Vinoth Kumar N	PRESENTED	PAID
83	151	Effects of Low and High-Frequency Current Ripple on Proton Exchange Membrane Fuel Cells: State-of-the- art and Remaining Challenges	Damien Guilbert, Abdoul N'diaye, Arnaud Gaillard, Abdesslem Djerdir	PRESENTED	NOT PAID
		Stator Current Signature Analysis in	Luigi Pio Di Noia,		

85	153	The Compliant Integration of (Renewable) Power Sources in MV or LV Grids and the Impact on Grid Reliability	Florian Javernik, Elisabeth Hufnagl, Maria Aigner, Ernst Schmautzer	PRESENTED		PAID
86	154	Enhanced Carrier Extraction in Bandgap Engineered Quantum Dot Solar Cells	Sohee Jeong, Won Seok Chang, Seung Jae Baik		NON-PRESENTED	PAID
87	156	The Effect of Technological Innovations on the Cost of the Photovoltaic Electricity	Girolamo Di Francia	PRESENTED		PAID
88	157	An Analysis on Smart Grid Applications and Grid Integration of Renewable Energy Systems in Smart Cities	Hulya Akinc, Tugrul Atasoy, Ozden Ercin	PRESENTED		PAID
89	158	Simulation and Design of a Fast Charging Battery Station in a Parking Lot of an E-Carsharing System	Konstantinos Genikomsakis, Ignacio Angulo Gutierrez, Dimitrios Thomas, Christos Ioakimidis	PRESENTED		PAID
90	160	Evaluation of Hydrogen Energy Production of Mining Waste Waters and Pools	Oyku Bilgin	PRESENTED		PAID
91	162	OLTC Selection and Switching Reduction in Multiple-Feeder LV Distribution Networks	Louis Gevaert, Tine Vandoorn, Christof Deckmyn, Jan Van De Vyver, Lieven Vandevelde	PRESENTED		PAID
92	164	Daily Global Solar Radiation Forecasting over a Desert Area Using NAR Neural Networks Comparison with Conventional Methods	Kacem Gairaa, Abdallah Khellaf, Farouk Chellali, Youcef Messlem, Said Benkaciali	PRESENTED		PAID
93	167	Implementation of an E-Bike Sharing System: The Effect on Low Voltage Network Using PV and Smart Charging Stations	Dimitrios Thomas, Vasiliki Klonari, Francois Vallee, Christos Ioakimidis	PRESENTED		PAID
94	168	Amelioration of a Greenhouse through Energy Storage System Case Study: Ghardaïa Region (Algeria)	Salah Bezari, Sidi Mohamed Elamine Bekkouche, Ahmed Benchatti, Hocine Benssaha	PRESENTED		PAID
95	170	5MW Power Generation Co-ORC with Agriculture and Forestry Biomass Waste Incineration in Stoker and Subsequent Solar Panel, (CSP) Station	Yildirim Tosun	PRESENTED		PAID
96	174	State Estimation of Exhaust Valve Position by Kalman Filter in PEM Fuel Cell Systems	Christian Hähnel, Vitali Aul, Martin Schultze, Joachim Horn	PRESENTED		PAID
97	175	An Ideal Generation System for Streamflow, Tidal and Ocean Currents -Installation of Biomimetic Sealing System-	Takuro Honda, Yoshitaka Nakanishi, Hidehiko Higaki	PRESENTED		PAID
98	179	Thermal Performance of a Hybrid Photovoltaic-Thermal Collector with a Modified Absorber	Sameer Simms, Jean-Francois Dorville	PRESENTED		PAID
99	180	Implementation of an Agent Based Distributed FLISR Algorithm Using IEC 61850 in Active Distribution Grids	Pouya Jamborsalamati, Abhinav Sadu, Ferdinanda Ponci, Antonello Monti	PRESENTED		PAID
100	181	Voltage Based Droop Control in an Islanded Microgrid with Wind Turbines and Battery Storage	Jan Van De Vyver, Thibaut Feremans, Tine Vandoorn, Jeroen De	PRESENTED		PAID

			Kooning, Lieven Vandevelde				
			variaevolae				
101	182	Estimation of Harvestable Energy from Vehicle Waste Heat	G Reddy, Utsav Maniyar, Vivek Venkatesan	PRESENTED		PAID	
102	184	Comparison of Thermal and Optical Performance of Linear Fresnel and Parabolic Trough Concentrator	Fabio Montagnino, Mohamed Ahmed, Mohamed Rady, Amr Amin, Filippo Paredes	PRESENTED		PAID	
103	185	A Day-a Head Real Net Transfer Capacity (NTC) Forecast Based on the Prediction of the Real Cooling Conditions for Interconnection Overhead Lines	Danka Todorović, Željko Đurišić, Jovana Tuševljak	PRESENTED		PAID	
104	187	A Review and Comparison of Renewable Energy Strategies or Policies of Some Countries	A. Ziya Aktas	PRESENTED		PAID	
105	188	Sustainability of Decentralized Renewable Energy Systems in Sub- Saharan Africa	Wesley Doorsamy, Willem Cronje	PRESENTED		PAID	
106	189	Trading of Pumped Storage Hydropower Plants on Energy Only and Ancillary Services Markets	Sebastian Braun, Michael Burkhardt	PRESENTED		PAID	
107	191	Coordination of Over Current Relay for Sudden Rise of Input Energy in Renewable Power System	Jaeho Choi, Yeonho Ok, Jaewon Kim	PRESENTED		PAID	
108	192	Solar Irradiance Forecasting Using Sequential Monte Carlo Method and GOES Satellite Images	Laurent Linguet, Jamal Atif		NON-PRESENTED	PAID	NO PARTICIPATION
109	195	Centralized Controller Tuning for MIMO Process with Time Delay	Thirunavukkarasu Indiran, Shanmugapriya Selvanathan, Vinayambika S Bhat, Majaaz Khan	PRESENTED		PAID	
110	196	Nonlinear Backstepping Control of a Double-Fed Induction Generator	M'hamed Doumi, Abdel Ghani Aissaoui, Ahmed Tahour, Mohamed Abid	PRESENTED		PAID	
111	198	Maximum Power Point Tracking of PMSG Based Grid Connected WECS Using Quadrature Axis Current	Damodharan P, Rajin Linus	PRESENTED		PAID	
112	200	Control System of Voltage Source Converter to Interconnect Offshore AC Hub with Multiple Onshore Grids	Muhammad Raza, Oriol Gomis-Bellmunt	PRESENTED		PAID	
113	202	Eco-Communal Management, Transition Engagement, and Connectedness a Moderated Mediation Model for the Performance of Renewable Energy Projects in Emerging Economies	Yohannes Haile, Christopher Laszlo, Kathleen Buse, James Gaskin, Roger Saillant	PRESENTED		PAID	
114	203	Fast and Cheap Stepper Motor Drive	Mohamed Tarnini	PRESENTED		PAID	
115	204	An Improved Dynamic Battery Model Suitable for Photovoltaic Applications	Samir Moulahoum, Sid- Ali Blaifi, Nadir Kabache, Ilhami Colak	PRESENTED		PAID	
116	209	A Generalized and Flexible Control Scheme for Photovoltaic Grid-Tie Microinverters	Serkan Ozturk, Isik Cadirci	PRESENTED		PAID	
117	210	Data Mining Based Performance Analysis for Solar PV Power System Data – UCAS Case Study	Mohamed Almadhoun		NON-PRESENTED	PAID	NO PARTICIPATION

118	211	H2020 STORM Project: Self- Organising Thermal Operational Resource Management	Dirk Vanhoudt, Johan Desmedt, Bert Claessens, Christian	PRESENTED		
119	212	High Power Density STATCOM with Extended Reactive Power Control Range	Johansson Peng Li, Grain Adam, Derrick Holliday, Barry Williams	PRESENTED		PAID
120	214	Parallel-Input Series-Output Interleaved Flyback Based Solar PV Module Integrated Micro-Inverter	Nataraj Pragallapati, Tirthasarathi Lodh, Vivek Agarwal	PRESENTED		PAID
121	215	Stochastic Optimization of an Electric Vehicle Fleet Charging with Uncertain Photovoltaic Production	Roman Le Goff Latimier, Bernard Multon, Hamid Ben Ahmed, Franck Baraer, Mickael Acquitter	PRESENTED		PAID
122	217	CFD Based Wind Assessment in West of Turkey	Melike Ayaz, Ilhami Colak, Kurtulus Boran	PRESENTED		PAID
123	218	Compensator Design Considerations for the LED Driver Circuits with PWM Dimming Capability	Chen-Wei Yeh, Dan Chen, Sheng-Fu Hsiao, Frank Shih	PRESENTED		PAID
124	219	Disc-Type PM Machine for the Electromagnetic Conversion/Suspension of a Flywheel System	Andrea Tortella, Mauro Andriollo, Franco Bortot	PRESENTED		PAID
125	220	the Chances and Challenges for Renewable Energy in Libya	Ashraf Khalil, Ali Asheibi		NON-PRESENTED	PAID
126	223	Novel Power Generation from Microalgae: Application of Different Gasification Technologies	Aziz Muhammad, Takuya Oda, Takao Kashiwagi	PRESENTED		PAID
127	226	Daily Cost Minimization for an Off- Grid Renewable Microhybrid System Installed to a Residential Home	Nedim Tutkun, Ozay Can, Ender San	PRESENTED		PAID
128	227	Parameter Extraction from a Typical PV Module Using a Metaheuristic Technique	Nedim Tutkun, Erdem Elibol, Melih Aktas	PRESENTED		PAID
129	228	Energy Performance of Concentrator and Flat Plate Photovoltaics in The Mediterranean Area	Alfonso Damiano, Carla Sanna, Malgorzata Gawronska	PRESENTED		PAID
130	232	Effect of Voltage Deviations on Power Distribution Losses in Presence of DG Technology	Jaser Sa'ed, Nasser Ismail, Salvatore Favuzza, Fabio Massaro, Mariano Ippolito	PRESENTED		PAID
131	233	Development of Simple Estimation Model for Aggregated Residential Load by Using Temperature Data in Multi-Region	Eiki Arai, Yuzuru Ueda	PRESENTED		PAID
132	234	A Fuzzy Tracking Control Design Strategy for Wind Energy Conversion System	Djamel Ounnas, Messaoud Ramdani, Salah Chenikher, Tarek Bouktir	PRESENTED		PAID
133	235	Dual Input-Dual Output Single Inductor DC-DC Converter for Renewable Energy Applications	Zubair Rehman, Ibrahim Al Bahadly, Subhas Mukhopadhyay	PRESENTED		PAID
134	239	Improvement Of Solar Radiation Model Based On Physical Parametrization	Yuji Mizuno, Yoshito Tanaka, Koji Kiyoyama, Tadahiro Kishikawa, Makoto Shimojima, Nobumasa Matsui, Haruo Hinata, Ken Oyama	PRESENTED		PAID

NO PARTICIPATION

			Frank Kardan				ı
135	241	Assessment of the Effects of Medium Composition on Growth, Lipid Accumulation and Lipid Profile of Chlorella Vulgaris as a Biodiesel Feedstock	Ecem Kaplan, Ceren Gencoglu, Dogan Can Kirman, Orkun Pinar, Dilek Kazan, Ahmet Alp Sayar	PRESENTED		PAID	
136	242	Combination of Input/Output Control Using Matrix Converter for Islanded Operation for AC Generator	Jun-Ichi Itoh, Takuya Kataoka, Hiroki Takahashi	PRESENTED		PAID	
137	243	Experimental Validation of a Dynamic Energy Model of a Battery Electric Vehicle	Alfonso Damiano, Claudia Musio, Ignazio Marongiu	PRESENTED		PAID	
138	247	High Step-Up Interleaved Converter for Renewable Energy and Automotive Applications	Wilmar Martinez, Jun Imaoka, Masayoshi Yamamoto, Kazuhiro Umetani	PRESENTED		PAID	
139	249	Socioeconomic Return on Community Biogas Investment	Apichart Kongpann		NON-PRESENTED	2412	
140	250	An Optimized Fuzzy Controller To Capture Optimal Power From Wind Turbine	Hadjer Dari, Lamine Mehenaoui, Messaoud Ramdani	PRESENTED		PAID	NO PARTICIPATION
141	251	Performance Enhancement of Vapor Compression Cycle Using Nano Materials	Aly Soliman, Ali Abdel-Rahman , Sherif Taher, Shinichi Ookawara	PRESENTED		PAID	
142	252	Voltage Control of Microgrid Systems Based on 3L-NPC Inverters with LCL-Filter in Islanding Operation	Rosa Anna Mastromauro, Francesco Antonio Gervasio, Silvio Stasi, Emilio Bueno, Marco Liserre	PRESENTED		PAID	
143	253	Design, Optimization and Analysis of the Axial C-Core Switched Reluctance Generator for Wind Power Application	Vanessa Teixeira, Adson Moreira, Tárcio Barros, Ernesto Ruppert Filho	PRESENTED		PAID	
144	256	Model-Based Analysis of a High Temperature Proton Exchange Membrane Fuel Cell Micro- Cogeneration System	Myalelo Nomnqa, Daniel Ikhu- Omoregbe, Ademola Rabiu		NON-PRESENTED	PAID	
145	257	Design and Experimental Implementation of Single Phase Power Factor Correction Converter Based on Fuzzy Logic Controls Techniques	Samir Moulahoum, Abderrahmen Benyamina, Ilhami Colak, Nadir Kabache, Hamza Houassine	PRESENTED		PAID	
146	258	Technical and Economic Analysis of Energy Storage Systems Integration into the Distribuition Network with Photovoltaic Generation	Annelys Schetinger, Daniel Dias, Bruno Borba	PRESENTED		PAID	
147	259	Behavior of a Photovoltaic Inverter Under Sudden Increase in Irradiance due to Reflection in Clouds	Ruben Inzunza, Yoshihiro Tawada, Motoko Furukawa, Takeshi Sumiya, Tsuguhiro Tanaka, Masahiro Kinoshita, Naoya Shibata	PRESENTED		PAID	
148	260	Energy Management of Hybrid Microgrid with Hybrid Energy Storage System	Srikanth Kotra, Mahesh Mishra	PRESENTED		PAID	
149	261	Mixed-Integer Linear Program for an Optimal Hybrid Energy Network Topology	Wiet Mazairac, Robbe Salenbien, Bauke De Vries	PRESENTED		PAID	

150	264	Design of the Solar Energy System in ITU Faculty of Electric and Electronics	Aydin Isik, Sule Erden, Murat Imeryuz	PRESENTED	PAID
151	265	A Non-Linear Dynamic Electrical Model of Sodium-Nickel Chloride Batteries	Maura Musio, Alfonso Damiano	PRESENTED	PAID
152	266	A Microgrid Energy Management System Supported by a Hysteresis Vehicle to Grid Controller	Alfonso Damiano, Claudia Musio, Carla Sanna, Malgorzata Gawronska	PRESENTED	PAID
153	269	Electrostatic Synchronous Generator Model of an Inverter- Based Distributed Generators	Hakam Shehadeh, Salvatore Favuzza, Eleonora Riva Sanseverino	PRESENTED	PAID
154	270	Design of Series Inductances for High-Power DC-DC Converters	Nils Soltau, Zhan Shen, Rik De Doncker	PRESENTED	PAID
155	271	Experts Agents in PEM Fuel Cell Control	Wilton Edixon Agila Galvez, Ricardo Alfredo Cajo Diaz, Douglas Antonio Plaza Guingla	PRESENTED	PAID
156	272	Graphical Analysis Method to Identify Power -Balanced Grid Areas for Intended Islanding Operation	Maik Plenz, Florian Grumm, Gesa Kaatz	PRESENTED	PAID
157	273	Optimal Design of Cascaded Control Scheme for PV System Using BFO Algorithm	Rahila Naseeha, Muyeen S.M., Hany Hasenien, Khaled Al Wahedi, Ahamed Al Durra	PRESENTED	PAID
158	274	Predicting the Thermal Impact of Light Pipe on Air Temperature Using Ordinary Least Squared Regression	Dudley Williams, Jean-Francois Dorville	PRESENTED	PAID
159	276	Parallelization of Medium Voltage Generator-Side Converters for Multi- MW Wind Turbines: Comparison of Two Topological Alternatives	Luca Costanzo, Ignacio Zubimendi, Abel Taffese, Elisabetta Tedeschi	PRESENTED	PAID
160	278	Combined Hydrogen Production and Power Generation from Microalgae	Aziz Muhammad, Takuya Oda, Takashi Mitani, Atsuki Uetsuji, Takao Kashiwagi	PRESENTED	PAID
161	279	A PV Panel Simulator Based on a Two Quadrant DC/DC Power Converter with a Sliding Mode Controller	Armando Cordeiro, Daniel Foito, V. Fernao Pires	PRESENTED	PAID
162	280	Fault Detection and Diagnosis in a PV Grid Connected T-Type Three Level Inverter	V. Fernao Pires, Daniel Foito, Tito Amaral	PRESENTED	PAID
163	281	Seamless Star-Delta Winding Changeover Circuit for AC Generators	Jun-Ichi Itoh, Kazuma Tanimukai	PRESENTED	PAID
164	282	Class-D Inverter with MOSFET Nonlinear Parasitic Capacitance	Koyo Yonekura, Xiuqin Wei, Tomoharu Nagashima, Hiroo Sekiya, Tadashi Suetsugu	PRESENTED	PAID
165	283	Low-Loss, High-Compression of Energy Profiles	Anna Clements, Malcolm Mcculloch, Kenneth Nixon	PRESENTED	PAID
166	284	A Case Study on the Investigation of Solar Regime in Van, Turkey	Naci Genc, Mehmet Yesilbudak, Medine Colak	PRESENTED	PAID
167	286	Wind Energy Conversion System Control Using Distinct Controllers for Different Operating Regions	Carla Viveiros, Rui Melicio, Jose	PRESENTED	PAID

			Igreja, Victor Mendes			
168	287	One Day Ahead Prediction of Wind Speed Class	Silvia Nunnari, Luigi Fortuna, Giorgio Guariso	PRESENTED		PAID
169	288	A New FPGA Based Green Controller Using FBD and HLS	Kenichi Morimoto, Fujio Kurokawa	PRESENTED		PAID
170	289	Dynamic Diagnostic and Reconfiguration for a New FPGA Based Green Controller	Kenichi Morimoto, Fujio Kurokawa	PRESENTED		PAID
171	290	Operation of Rural Distribution Grids with Intermittent Generation in Connected and Island Mode Using the Open Source EMS Solver SCIP	Francesc Girbau- Llistuella, Andreas Sumper, Volker Buehner, Ramon Gallart- Fernandez	PRESENTED		PAID
172	292	Frequency-Dependent Modeling of Grounding System in EMTP for Lightning Transient Studies of Grid- Connected PV Systems	Adel Nasiri, Hesam Sadeghi	PRESENTED		PAID
173	293	Development of a Real-Time Hardware-in-the-loop Platform for Complex Microgrids	Adel Nasiri, Abedalsalam Bani-Ahmed	PRESENTED		PAID
174	295	Design and Simulation of Solar and Wind Energy Conversion System in Isolated Mode of Operation	Ciji Pearl Kurian, Lakshman Rao Paragond, B.K. Singh	PRESENTED		PAID
175	296	Experimental Performances of a DMPPT Multitopology Converter	Giorgio Graditi, Giovanna Adinolfi, Antonio Del Giudice		NON-PRESENTED	PAID
176	297	An Advanced Measurement Equipment for the Tracing of Photovoltaic Panel I-V Curves	Francesco Riganti Fulginei, Alessandro Salvini, Antonino Laudani, Stefano Gaiotto	PRESENTED		PAID
177	298	Control of Generator- and Grid-Side Converter for the Interior Permanent Magnet Synchronous Generator	Tin Bariša, Damir Sumina, Martina Kutija	PRESENTED		PAID
178	299	Battery Energy Storage System with Isolated Single-Phase Matrix Converter Using Center-Tapped Transformer for Power Decoupling Capability	Nagisa Takaoka, Jun-Ichi Itoh	PRESENTED		PAID
179	300	Input-Current-Harmonics Suppression of a Matrix Converter under High Load-Power-Factor	Shinya Takida, Takaharu Takeshita	PRESENTED		PAID
180	301	A Comprehensive Data Processing Approach to the Future Smart Grid	Jiro Yamazaki, Daishi Yoshino, Hideyuki Fukuhara, Takafumi Hayashi	PRESENTED		PAID
181	302	Optimal Cost Analysis of Wind-Solar Hybrid System Powered AC and DC Irrigation Pumps Using HOMER	Basanagouda Ronad, Suresh Jangamshetti	PRESENTED		PAID
182	303	Digital Peak Current Mode DC-DC Converter with Overcurrent Limitation Function	Kazuhiro Kajiwara, Tatsuya Ueki, Yuichiro Shibata, Fujio Kurokawa	PRESENTED		PAID
183	304	Integral Gain Switchover Digital Control Boost Converter to Improve Light Load Characteristics	Kazuhiro Kajiwara, Hidenobu Tajima, Fujio Kurokawa	PRESENTED		PAID
184	305	Power Curve Modelling of a Wind Turbine for Monitoring Its Behaviour	Miguel Angel Sanz Bobi, Rodrigo Jose Andrade Vieira	PRESENTED		PAID
185	306	Improvement of Current Balanced Parallel Soft-Start Operation for DC- DC Converters with Current Prediction	Hidenori Maruta, Tsutomu Sakai, Fujio Kurokawa	PRESENTED		PAID

186	309	Node Voltage Control and Line Loss Suppression Using Unified Power Flow Controller on Distribution System	Takuya Maekawa, Takaharu Takeshita, Yasuyuki Kunii	PRESENTED	PAID
187	310	Performance Evaluation of MPPT Techniques for PV Array Incorporated into Electric Vehicle Roof	Athanasios Sarigiannidis, Spyridon Stathis, Antonios Kladas	PRESENTED	PAID
188	312	Impact Of The Battery Depth Of Discharge On The Performance Of Photovoltaic Hydrogen Production Unit With Energy Management Strategy	Hammou Tebibel	PRESENTED	PAID
189	313	A New Quick Response Digital Control DC-DC Converter with Dynamic Unstable Gain	Yudai Furukawa, Takuya Shirakawa, Fujio Kurokawa, Haruhi Eto, Ilhami Colak	PRESENTED	PAID
190	314	Quantum Photovoltaic Effect: Two Photon Process in Solar Cell	Dilan Alp	PRESENTED	PAID
191	315	Green Data Centres Providing Ancillary Services to Power Grid	Diego Arnone, Antonino Barberi, Diego La Cascia, Eleonora Riva Sanseverino, Gaetano Zizzo	PRESENTED	PAID
192	317	Comparative Analysis of P&O, a Modified Hill-Climbing-FLC and Adaptive P&O-FLC Mppts for Microgrids Standalone PV System	Rachid Boukenoui, Rafik Bradai, Adel Mellit, Malek Ghanes, Hacen Salhi	PRESENTED	PAID
193	318	Miniaturization of Buck-Boost DC- DC Converter with Fast P Control	Yudai Furukawa, Ippei Sugimoto, Fujio Kurokawa, Haruhi Eto, Tsuyoshi Higuchi, Ilhami Colak	PRESENTED	PAID
194	319	Improvement in Transient Response of Fast P Control DC-DC Converter with Static Model	Yudai Furukawa, Shingo Watanabe, Fujio Kurokawa, Haruhi Eto, Nobumasa Matsui, Ilhami Colak	PRESENTED	PAID
195	320	Development of an Economical Model for a Hybrid System of Grid, PV and Energy Storage Systems	Adel Nasiri, Hamid Seifoddini, Mohammad Hassan Balalinarjes Nouri	PRESENTED	PAID
196	321	Suppression of the Switching Frequency Variation for Current Sensor-Less Hysteretic Current Mode Switching Supply	Kazuki Yoshimura, Fujio Kurokawa	PRESENTED	PAID
197	322	System Specification for a DC Community Microgrid and Living Laboratory Embedded in an Urban Environment	Robert Cuzner, Karthik Palaniappan, John Shen	PRESENTED	PAID
198	323	An Adaptive Repetitive Controller for Three-Phase PWM Regenerative Rectifiers	Rabia Nazir, Alan Wood, Hamish Laird, Neville Watson	PRESENTED	PAID
199	326	A Consideration of Signal Frequency Detector in Digital Peak Current Mode DC-DC Converter	Yudai Furukawa, Shusuke Maeda, Shunsuke Tsuruoka, Fujio Kurokawa, Haruhi Eto, Ilhami Colak	PRESENTED	PAID
200	327	A Consideration of Loss Component in Model Control DC-DC Converter	Yudai Furukawa, Shingo Watanabe, Nobumasa Matsui, Fujio Kurokawa, Ilhami Colak,	PRESENTED	PAID

201	328	Accurate Modelling of Hysteretic Systems for an Efficient Energetic Conversion	Pietro Burrascano, Stafano Laureti, Marco Ricci, Luca Senni	PRESENTED	PAID
202	329	Artificial Neural Network Modelling for Performance Prediction of Solar Energy System	Wahiba Yaïci, Evgueniy Entchev, Michela Longo, Morris Brenna, Federica Foiadelli	PRESENTED	PAID
203	330	Performance Analysis and Simulation of Unbalanced Dc Sources Five Level Inverter Topology	Concettina Buccella, Carlo Cecati, M. Gabriella Cimoroni	PRESENTED	PAID
204	331	Electrotechnical Investigation of Zinc-Air Cells for Determination of Cell-Parameters for a Battery Management System	Erol Şanal, Philip Dost, Constantinos Sourkounis	PRESENTED	PAID
205	333	Charging Behaviour of Users Utilising Battery Electric Vehicles and Extended Range Electric Vehicles within the Scope of a Field Test	Philip Dost, Philipp Spichartz, Constantinos Sourkounis	PRESENTED	PAID
206	334	Utilisation of Battery Electric Vehicles and Extended Range Electric Vehicles in a Field Test	Philipp Spichartz, Philip Dost, Constantinos Sourkounis	PRESENTED	PAID
207	335	Development of a Testing Device for Electric Vehicles Chargers	Abdoulkarim Bouabana, Constantinos Sourkounis	PRESENTED	PAID
208	336	Reactive Current Control of a Multi- DC-Voltage Cascade STATCOM	Yu Sugahara, Takaharu Takeshita	PRESENTED	PAID
209	338	Design of Power Control Unit for Heat Recovery Device Used in Renewable Energy System	Mehmet Akif Senol, Fulya Solak, Haluk Gozde, Cengiz Taplamacioglu	PRESENTED	PAID
210	339	Hedging Strategies for Risk Reduction through Weather Derivatives in Renewable Energy Markets	Saptarshi Bhattacharya, Aparna Gupta, Koushik Kar	PRESENTED	PAID
211	340	Preliminary Study on a Fabric- Covered Wind Turbine Blade	Jae-Sung Bae, Dong-Guk Choi, Soo-Yong Lee, Dae-Jin Kim, Cheol Yoo	PRESENTED	PAID
212	341	Comparative Study of Two Control Methods for a Boost Converter with LC Input Filter: Indirect Sliding-Mode and Flatness Based Control	Matheepot Phattanasak, Roghayeh Gavagsaz- Ghoachani , Jean-Philippe Martin, Babak Nahid- Mobarakeh, Serge Pierfederici	PRESENTED	PAID
213	343	Shape Optimization of Cantilever Beam for Wind Energy Harvesting	Giuseppe Acciani, Filomena Di Modugno, Giancarlo Gelao, Ernesto Mininno	PRESENTED	PAID
214	344	Performance Comparison Between Scheduling Strategies for Pevs Charging in Smart Grids	Giuseppe Graber, Giovanni Massa, Vincenzo Galdi, Vito Calderaro, Antonio Piccolo	PRESENTED	PAID
215	345	FPGA Implementation of a Lead- Acid Battery for Photovoltaic Applications	Nadir Kabache, Samir Moulahoum, Amine Laidi, Mohamed	PRESENTED	PAID

			Bouaissa, Hamza		
			Houassine		
216	346	Energy Management of Auxiliary Battery Substation Supporting High- Speed Train on 3 Kv DC Systems	Vito Calderaro, Vincenzo Galdi, Giuseppe Graber, Antonio Piccolo, Regina Lamedica, Alfonso Capasso, Alessandro Ruvio	PRESENTED	PAID
217	347	A Day-Ahead Wind Speed Forecasting Using Data-Mining Model - A Feed-Forward Nn Algorithm	Antonella Rosalia Finamore, Vito Calderaro, Vincenzo Galdi, Antonio Piccolo, Gaspare Conio, Salvatore Grasso	PRESENTED	PAID
218	348	Methodology for the Volume Minimization in Non-Isolated Sic Based PV Inverters	Wei Fu, Qianqian Jiao, Rasoul Hosseini, Robert Cuzner, Andrew Lemmon	PRESENTED	PAID
219	350	Load and Short-Circuit Analyses of the Electricity Transmission System for Industry Regions in Ankara	Ramazan Bayindir, Mehmet Yesilbudak, Umut Cetinkaya	PRESENTED	PAID
220	351	Short-Circuit Fault Analysis on Microgrid	Ramazan Bayindir, Erdal Irmak, Fatih Issi, Naki Guler	PRESENTED	PAID
221	355	A Techno-Economical Analysis of Charge Management in Electrical Vehicles	Luigi Schirone, Michele Macellari	PRESENTED	PAID
222	357	Comparison of Current Control Strategies Applied to a Boost- Rectifier Connected to a Direct Drive Wave Energy Converter	Hugo Mendonça, Sergio Martinez, Dionisio Ramirez	PRESENTED	PAID
223	359	Peak and Energy Contributions of Distributed PV to PJM	Philip Diefenderfer, Edward Prescott, Peter Mark Jansson	PRESENTED	PAID
224	362	Robust UDE Controller for Energy Storage Application	Ilan Aharon, Doron Shmilovitz, Alon Kuperman	PRESENTED	PAID
225	364	Optimal Energy Management of Smart Grids with Plug-In Hybrid Electric Vehicles	Rosario Miceli, Valeria Boscaino, Marco Caruso, Maurizio Cellura, Ciro Spataro	PRESENTED	PAID
226	365	Grid Connected High Power Medium Voltage Wind Energy Conversion System with Reduced Line Harmonics	Mostafa Hamad, Khaled Ahmed, Ayman Abdel- Khalik	PRESENTED	PAID
227	366	Improvement of Optimizing Operation Method for Energy Saving of Large Electric Machine in Combined Heat and Power Plant	Nobumasa Matsui	PRESENTED	PAID
228	367	LCOE for Zero-Energy Greenhouse	Silvano Vergura, Giuliano Patrono, Alessandro Massi Pavan	PRESENTED	PAID
229	368	Switching Command Based on Lyapunov Function for a Boost Converter with an LC Input Filter in Dc Microgrid Application	Matheepot Phattanasak, Roghayeh Gavagsaz- Ghoachani, Jean-Philippe Martin, Babak Nahid- Mobarakeh, Serge	PRESENTED	PAID

			Pierfederici,		
			Pierre Riedinger		
230	369	A Study of Communication Protocols and Wireless Networking Systems for Lighting Control	Susan Varghese, George V. I., Ciji Pearl Kurian	PRESENTED	DAID
		Application A Study on Transient Response of	Hidenori Maruta,		PAID
231	370	Digital PID Control for DC-DC Converter with Weighted Predictions of Neural Network	Hironobu Taniguchi, Fujio Kurokawa	PRESENTED	PAID
232	373	Distribution Grid Analysis through PSAT Open Source Tools	Antonino Barberi, Luigi Francesco Solarino, Diego La Cascia, Rosario Miceli, Gaetano Zizzo	PRESENTED	PAID
			Andreea Busca-		1742
233	376	Efficiency Improvement of Pumped Storage System for MW Scale Off- Grid PV Plants	Forcos, Dezso Sera, Cristian Busca, Corneliu Marinescu, Remus Teodorescu	PRESENTED	PAID
		Optimization Design of Novel Zero-	Jizhe Wang,		PAID
234	377	Crossing Point Detection Method for Boundary Current Mode PFC Converter	Kazuki Yoshimura, Fujio Kurokawa	PRESENTED	PAID
235	378	A Multifunctional Current Source Inverter Control for Wind Turbine Grid Interfacing	Mostafa Hamad, Khaled Ahmed	PRESENTED	PAID
236	381	Grid Connected Solar Photovoltaic in Island States: Challenges, Opportunities & Waste Management	Ngalula Mubenga	PRESENTED	PAID
237	384	Processing Infrared Image of PV Modules for Defects Classification	Silvano Vergura, Francescomaria Marino, Mario Carpentieri	PRESENTED	PAID
238	385	Assessment of the Technical and Economic Potential of Offshore Wind Energy via a GIS Application: A Case Study for the Sicily Region	Marco Beccali, Jose Massimiliano Galletto, Leonardo Noto, Roberto Provenza	PRESENTED	PAID
239	386	The Energy System of Sicilian Region in Italy; 2014 Situation and Evolutionary Trends	Edoardo Moreci, Giuseppina Ciulla, Valerio Lo Brano	PRESENTED	PAID
240	388	Physiological Compatibility of Wireless Chargers for Electric Bicycles	Filippo Pellitteri, Guido Ala, Salvatore Ganci, Rosario Miceli, Massimo Caruso	PRESENTED	PAID
241	391	Dynamic Stator-Flux-Oriented Induction Machine Control for Electric Vehicle Application	Volker Staudt, Axel Rothstein, Daniel Meyer, Carsten Heising	PRESENTED	PAID
242	392	Dynamic Four-Quadrant Converter Control for Grid Connection of Renewable Energy Sources	Volker Staudt, Axel Rothstein, Daniel Meyer, Carsten Heising	PRESENTED	PAID
243	393	Simplified Feedback Linearization Control of a Single-Phase Photovoltaic NPC Converter in Direct-Quadrature Rotating Reference Frame	Sante Pugliese, Rosa Anna Mastromauro, Silvio Stasi	PRESENTED	PAID

			Fabio Genduso,			
244	394	A Review of Multiple Faults Diagnosis Methods in Voltage Source Inverters	Antonino Oscar Di Tommaso, Rosario Miceli, Giuseppe Ricco Galluzzo	PRESENTED		PAID
245	396	Control of a Grid Connected Photovoltaic System	Djamila Rekioua, Toufik Rekioua, Youcef Soufi	PRESENTED		PAID
246	397	A Laboratory Setup for the Evaluation of the Effects of BACS and TBM Systems on Lighting	Gaetano Zizzo, Mariano Ippolito, Marco Beccali, Marina Bonomolo, Alessandra Galatioto	PRESENTED		PAID
247	398	Assessment of Potential Energy Producible from Agricultural Biomass in the Municipalities of the Novara Plain	Mariapia Martino, Guglielmina Mutani, Ilaria Carlucci	PRESENTED		PAID
248	399	A Model for the Evaluation of Thermal and Electric Energy Consumptions in Residential Buildings	Michele Pastorelli, Guglielmina Mutani, Federico De Bosio	PRESENTED		PAID
249	400	Transient Behaviour and Active Damping of Vibrations in DFIG- Based Wind Turbines During Grid Disturbances	Alexander Broy, Pavlos Tourou, Constantinos Sourkounis	PRESENTED		PAID
250	401	Ring DC Node Configurations for Enhanced DC Fault Protection in Multiterminal HVDC Networks	Azmy Gowaid, Grain Adam, Barry Williams, John Fletcher	PRESENTED		PAID
251	402	Impact of PSS and STATCOM on Transient Stability of Multi-Machine Power System Connected to PV Generation	Selwa Fetissi, Djamel Labed, Imen Labed, Hassiba Serghine	PRESENTED		PAID
252	403	Optimal Power Flow Study Using Conventional and Neural Networks Methods	Labed Imen, Djamel Labed, Hassiba Serghine, Selwa Fetissi	PRESENTED		PAID
253	405	Automatic Solar Photovoltaic Panel Detection in Satellite Imagery	Jordan Malof, Rui Hou, Kyle Bradbury, Richard Newell, Leslie Collins	PRESENTED		PAID
254	406	Improved Control Strategy of Full- Bridge Modular Multilevel Converter	Grain Adam	PRESENTED		PAID
255	414	Power Management Based on the Operating Conditions of Grid, Mircogrid and Hybrid Storage	Nikhil Korada, Mahesh Mishra, Srikanth Kotra	PRESENTED		PAID
256	415	Design of Sensors for a Smart Power Substation	L.P. Di Noia, R. Rizzo, M. Vilaragut Llanes		NON-PRESENTED	PAID
257	416	An Advanced System for Power Supply and Power Quality Improvement of Isolated AC Passive Networks	Luigi Pio Di Noia, R. Rizzo		NON-PRESENTED	NOT PAID
258	419	A Comprehensive Model for the Optimal Design and Management of Distributed Generation Systems	Michele Anatone, Valentina Panone	PRESENTED		PAID
259	420	Smart Urban Electric Transport System: An Innovative Real Model	Luigi Mingrone, Gianbattista Pignataro, Mariacristina Roscia	PRESENTED		PAID
260	422	Solar Energy Potential of Konya and Architectural Design Criterias for Solar Energy Efficiency	Bilgehan Yilmaz Cakmak	PRESENTED		PAID
261	423	Multi-Criterion Design and 2D Cosimulation Model of 4 Kw PM Synchronous Generator for Standalone Run-of-the-river Stations	Yucel Cetinceviz, Durmus Uygun, Huseyin Demirel	PRESENTED		PAID

262	425	Grid Parity in the Italian Domestic PV Market: A Sensitivity Analysis	Francesco Pauli, Vanni Lughi, Giorgio Sulligoi, Alessandro Massi Pavan	PRESENTED		PAID
263	426	Overview of Small Scale Electric Energy Storage Systems Suitable for Dedicated Coupling with Renewable Micro Sources	Alessandro Fraleoni Morgera, Vanni Lughi	PRESENTED		PAID
264	430	Sizing and Simulation of an Inverter- Fed Permanent-Magnet Linear Synchronous Drive for Servo- Assistance of a Ship Steering Gear	Claudio Bruzzese, Damiano Zito, Andrea Raimo, Ezio Santini, Alberto Tessarolo	PRESENTED		PAID
265	431	Mobility Scenarios in the Valley of the Temples	Maurizio Cellura, Francesco Guarino, Sonia Longo, Rosario Miceli, Marina Mistretta	PRESENTED		PAID
266	432	Smart Campus-An Energy Integrated Approach	George Cristian Lazaroiu, Virgil Dumbrava, Mihnea Costoiu, Mihaela Teliceanu, Mariacristina Roscia	PRESENTED		NOT PAID
267	433	SCUOLA PROJECT: The "Hub of Smart Services" for Cities and Communities	Dario Zaninelli, Maurizio Delfanti, Valeria Olivieri, Giuseppe Esposito	PRESENTED		PAID
268	434	Building DC Microgrids - Planning of an Experimental Platform with Power Hardware in the Loop Features	Mario Pagano, Andrea Scalfati, Maurizio Fantauzzi, Diego Iannuzzi, Mariacristina Roscia	PRESENTED		PAID
269	437	A Semi-Analytical Model for the Analysis of a Permanent Magnet Tubular Linear Generator	R. Rizzo, Antonino Musolino, Marco Raugi	PRESENTED		PAID
270	438	Technical and Economical Comparison between Ndfeb and Hard Ferrites Linear Electrical Generators from Sea Waves	Marco Trapanese, G. Cipriani, M. Corpora, Vincenzo Di Dio, Rosario Miceli, Ciro Spataro	PRESENTED		PAID
271	439	An Electromagnetic Generator for MAGLEV Transportation Systems	G. Cipriani, M. Corpora, D. Curto, V. Di Dio, V. Franzitta, Marco Trapanese	PRESENTED		PAID
272	441	Comparison Four Topologies for Three-Phase Dynamic Voltage Restorer	Ebrahim Babaei, Mohammad Kangarlu	PRESENTED		PAID
273	444	Low Inductive Test Bench for Resonant Converters	Unnikrishnan Raveendran Nair, Pramod Kumar Prasobhu, Stig Munk-Nielsen, Ramkrishan Maheshwari		NON-PRESENTED	NOT PAID
274	446	Performance and Efficiency Improvements of a Hydraulic Ship Steering Gear by a Permanent Magnet Linear Synchronous Servo Motor	Claudio Bruzzese, Damiano Zito, Andrea Raimo, Ezio Santini, Alberto Tessarolo	PRESENTED		PAID
275	447	Reliability Assessment of Grid Connected Photovoltaic Generation Systems	Ahmed Mustafa	PRESENTED		PAID

276	448	Combination of Optimal DC Power Flow and Generalized Voltage Droop Control for Automation of Multi-Terminal DC Grids	Kumars Rouzbehi, Elyas Rakhshani, Alvaro Luna, Pedro Rodriguez	WITHDRAWN		PAID
277	449	Sensorless Load Monitoring and Management in Electric Power Grid through Energy Harvesting	Kaloyan Mihaylov, Stanimir Valtchev, Rumen Arnaudov	PRESENTED		PAID
278	450	Generalized Voltage Droop Control with Inertia Mimicry Capability – Step Towards Automation of Multi- Terminal HVDC Grid	Kumars Rouzbehi, Weiyi Zhang, G.B. Gharehpetian, Alvaro Luna, Pedro Rodriguez	PRESENTED		PAID
279	451	Study on the Hybrid GCHP System with a Desuperheater	Ping Cui	PRESENTED		PAID
280	455	Generalized Voltage Droop Strategy for Power Synchronization Control in Multi-Terminal DC Grids - An Analitical Approach	Kumars Rouzbehi, Weiyi Zhang, Jose Ignacio Candela, Alvaro Luna, Pedro Rodriguez	PRESENTED		PAID
281	456	Measurements and Verification of Ground-Based Lidar in Complex Terrain	Kyungnam Ko, Dae Young Kim	PRESENTED		PAID
282	457	Dual DC-DC Converter and Monitoring Interface for Asymmetrical String Inverters	Ersan Kabalci, Ramazan Bayindir, Goksel Gokkus, Yasin Kabalci	PRESENTED		PAID
283	460	Advanced Forecasting Method to the Optimal Management of a DC Microgrid in Presence of Uncertain Generation	Giorgio Graditi, Roberto Ciavarella, Maria Valenti, Antonio Bracale, Pierluigi Caramia		NON-PRESENTED	PAID
284	461	Joint Probability Distributions for Wind Speed and Direction: A Case Study in Sicily	Salvatore Basile, Riccardo Burlon, Francesca Morales	PRESENTED		PAID
285	462	Electrical Characterization of Low Power Cigsse Photovoltaic Modules	Alessandro Busacca, Fabio Cardona, Massimo Caruso, Maurizio Cellura, Alfonso Cino, Rosario Miceli, Antonino Parisi, Riccardo Pernice, Fabio Ricco Galluzzo, Fabio Viola	PRESENTED		PAID
286	463	Urban Morphology and Energy Consumption in Italian Residential Buildings	C. Delmastro, G. Mutani, M. Pastorelli, G. Vicentini	PRESENTED		PAID
287	464	On the Design of Observers Robust to Load Variations for Synchronous Converters	Rosario Miceli, Lucio Ciabattoni, Gionata Cimini, Francesco Ferracuti, Gianluca Ippoliti, Sauro Longhi, Giuseppe Orlando	PRESENTED		PAID
288	465	Energy Transport Modeling of PV/T Collectors	Istvan Ervin Haber	PRESENTED		PAID
289	466	Power Electronics – The Key Technology for Renewable Energy System Integration	Frede Blaabjerg, Yongheng Yang, Ke Ma, Xiongfei Wang	PRESENTED		PAID
290	467	ABB Smart Lab: Simulating Future Applications with Present Equipment	Diego Pagnoncelli, Paolo Perani, Enrico Ragaini	PRESENTED		PAID

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291	468	Choice of the Most Suitable Wind Turbine in the Installation Site: A Case Study	Filippo Spertino, Valeria Cocina, Paolo Di Leo, Michele Pastorelli	PRESENTED	PAID
292	469	A Back to Back Method for the Temperature Rise Test of Prefabricated Substations: A Case Study	Giovanni Cangemi, Giovanni Cipriani, Vincenzo Di Dio, Rosario Miceli, Salvatore Nuccio, Dario Di Cara, Giovanni Tinè, Mario Melodia	PRESENTED	PAID
293	470	Identification of the Parameters of the Equivalent Electric Circuit of Electromagnetic Harvesters	Marco Balato, Luigi Costanzo, Massimo Vitelli	PRESENTED	PAID
294	471	Multi-Objective Optimization of PV Arrays Performances by Means of the Dynamical Reconfiguration of PV Modules Connections	Marco Balato, Luigi Costanzo, Massimo Vitelli	PRESENTED	PAID
295	472	Comparison on the Use of PV Systems in the Vertical Walls	Rosario Miceli, Pietro Romano, Fabio Viola, Ciro Spataro, Giuseppe Schettino, Massimo Caruso, Alessandro Busacca, Antonino Parisi, Alfonso Cino	PRESENTED	PAID
296	473	Economic Benefits of the Use of a PV Plants Reconfiguration Systems	Fabio Viola, Pietro Romano, Rosario Miceli, Ciro Spataro, Giuseppe Schettino, Federico Fantò	PRESENTED	PAID
297	474	Experimentation of Sustainable Energy Microsystems: The DE.DU.ENER.T. Research Project	S. Ben Mabrouk, A. Ben Mabrouk, K. Harzli, D. La Cascia, H. Oueslati, G. Zizzo, L. Dusonchet, S. Favuzza, M.G. Ippolito, F. Massaro	PRESENTED	PAID
298	475	Survey on Power Increase of Power by Employment of PV Reconfigurator	Fabio Viola, Pietro Romano, Rosario Miceli, Ciro Spataro, Giuseppe Schettino	PRESENTED	PAID
299	476	Novel Energy Modelling and Forecasting Tools for Smart Energy Networks	Ganesh Sauba, Jos Van der Burgt, Anthony Schoofs, Ciro Spataro, Massimo Caruso, Fabio Viola, Rosario Miceli	PRESENTED	PAID