

**List of the presented papers at the 2025 IEEE 7<sup>th</sup> Global Power, Energy and Communication Conference (IEEE GPECOM2025), 11-13 June 2025, Bochum - Germany**

#	Title	Authors	Decision	Presented	Presenter's Country
	<b>Keynote:</b> Standardization in Protection Systems: Developments in IEC 61850 and the Emerging Role of Digital Twins	Andrea Bonetti, Nicias Wetterstrand		YES	Sweden
	<b>Keynote:</b> The 6G Networks for a New Smart Energy	Alessandro Vizzari		YES	Italy
	<b>Keynote:</b> Ultra-Fast Charging and Ubiquitous Infrastructure	Don Tan		YES	USA
	<b>Keynote:</b> Advanced Computation for Power Systems	Peter Palensky		YES	Netherlands
	<b>Keynote:</b> Grid Forming Control at IBR Based Power Systems	Tobias Geyer		YES	Switzerland
	<b>Keynote:</b> Analysis of the local and inter-area oscillations before the blackout on the Iberian Peninsula	Lijun Cai		YES	Germany
	<b>Keynote:</b> Modeling, Analysis, and Discontinuous Control Methods of Power Electronics Systems	Jianxing Liu		YES	China
	<b>Industry Forum:</b> Using Smart Grid Sensors to Improve Network Performance, Safety & Staff Productivity	Robert Wilcox		YES	Germany
	<b>Industry Forum:</b> Novel, Smart and Sustainable Actuation Technologies for Electrification	Arda Tuysuz		YES	Germany
	<b>Industry Forum:</b> How to Accelerate Power Electronics R&D Cycle with PELab & Opal-RT Real-Time Simulators	François Tempez		YES	Germany
	<b>Industry Forum:</b> Practical Methodologies for Testing and Commissioning IEC 61850-9-2LE Based Digital Substations	K N Dinesh Babu		YES	Germany
	<b>Industry Forum:</b> Powering AI Server Applications	Lukas Lohaus		YES	Germany

No	ID	PROCEEDINGS				
1	7	Harnessing Diverse Data for Hourly Electricity Demand Forecasting in Türkiye: Comparative Analysis of AI-Based Methods	Semanur Sancar (Yildiz Technical University)*; Meryem Açıyaya Kasapoğlu (Yildiz Technical University); Ayşe Kubra Tatar (Yıldız Technical University); Ozan Erdiç (Yıldız Technical University)	ACCEPT	YES	Turkiye
2	11	Hydrogen Production and Storage by Utilising Waste Heat from Ships	Tuna Gökberk ÇOKLU (Marmara University)*; Murat PEKER (Marmara University); Onur AKAR (Marmara University)	ACCEPT	YES	Turkiye
3	23	Optimized Intelligent Energy Management for Isolated Smart Homes with Solar, Hydrogen, and V2H Integration	Nouha Mansouri (ESPRIT), Sihem Nasri (ATSSEE), Aymen Mnasri (ESPRIT), Adnane Cherif (ATSSEE)	ACCEPT	YES	Morocco
4	24	V2G-Enabled Smart Energy Management for Sustainable Home Electrification	Sihem Nasri (ATSSEE), Nouha Mansouri (ESPRIT), Aymen Mnasri (ESPRIT), Adnane Cherif (ATSSEE)	ACCEPT	YES	Morocco
5	29	Analytical Application of Cross Quadrature Amplitude Modulation for Lomax Fading Conditions	Mehmet Bilim (Niğde Ömer Halisdemir University)*	ACCEPT	YES	Turkiye
6	31	Energy Efficiency Analysis of MW/CNT/Water Nanofluids in a Double Pipe Heat Exchanger: Artificial Neural Network Predictions	Lingala Syam Sundar (Prince Mohammad Bin Fahd University) *	ACCEPT	YES	Saudi Arabia
7	33	Enhancement of Grid Sustainability by Integrating Renewable Energy Sources and Power-to-Gas (P2G) Facilities	Abdulah Aktar (Muğla Sıtkı Koçman University)*; Murat Karakılıç (İğdir University)	ACCEPT	YES	Turkiye
8	37	Determination of the Degradation Equation for Medium Voltage XLPE Cable at 22 kV	Edisson Inga (Politécnica Salesiana University), Patricio Sanango (Politécnica Salesiana University), Flavio Quizhpi (Politécnica Salesiana University)	ACCEPT	YES	Ecuador
9	38	Digital Twin-Enabled Resilient Network Reconfiguration for Cybersecurity of Decarbonized Power Distribution Systems	Ehsan Naderi (Arkansas State University)*; Arash Asrari (Purdue University Northwest); Mohsen Saffari (Purdue University Northwest)	ACCEPT	YES	USA
10	41	Compensation of Defective Power Transistors of Cascaded High-Voltage Inverters in Dynamic Modes Using "Fractional" Cell Method	Kamal Khandakji (Tafila Technical University), Victor Busher (National University "Odessa Maritime Academy"), Oksana Glazeva (National University "Odessa Maritime Academy"), Anatoly Shestaka (National University "Odessa Maritime Academy"), Lubov Melnikova (Odessa Polytechnic National University), Reema Dawud (DAMS, Ministry of Education)	ACCEPT	YES	Jordan
11	42	An Energy-Aware Optimal Electric Taxi Dispatching Solution Using Deep Reinforcement Learning	Maram Helmy (American University of Sharjah), Eiman ElGhanam (American University of Sharjah), Ahmed M. Benaya (American University of Sharjah), Mohamed S. Hassan (American University of Sharjah), Ahmed Osman (American University of Sharjah)	ACCEPT	YES	UAE
12	49	Solar System Topologies Used in Producing Green Hydrogen: A Comprehensive Review	Salima Handa (Sidi Mohamed Ben Abdelah Uni.), Yassine Chalbi (Sidi Mohamed Ben Abdelah University), Zakaria Chalh (Sidi Mohamed Ben Abdelah University)	ACCEPT	YES	Morocco
13	50	An Electronically Reconfigurable/Tunable Dual Band Bandstop Filter for Cognitive Radio Applications	Elif Gönülürkan Şahin (Niğde Ömer Halisdemir Üniversitesi)*	ACCEPT	YES	Turkiye
14	52	Lyapunov Energy Function-Based Control for Boost PFC System	Ozan Gulbudak (Karabuk University)*; Mustafa Gökdağ (Karabuk University); Esmenur Kuru (Karabuk University)	ACCEPT	YES	Turkiye
15	53	Enhancing SOC Estimation Hybrid RNN Models for Li-Ion Batteries Under Various Temperatures	Ertuğrul Sert (Ankara University), Bera Küçükkurt (Ankara University), Atalay Bektaş (Ankara University), Umur Baran Ekinci (Istanbul Technical University), Fatih Ekinci (Ankara University), Koray Açıcı (Ankara University)	ACCEPT	YES	Turkiye
16	54	Simple Model Assemblages for Website Identification	Charles Hu (College of William & Mary), Yen-Hung Hu (Norfolk State University)*	ACCEPT	YES	USA
17	57	Design of a Rectangular Slotted Microstrip Patch Antenna for C Band Radar Applications	Elif Firat (Istanbul Yeni Yüzyıl University), Asli Oral (Istanbul Yeni Yüzyıl University), Cihan Doğuşgen Erbaş (Istanbul Yeni Yüzyıl University)	ACCEPT	YES	Turkiye
18	63	Powertrain Improvement by Adjustment of Inverter Switching Frequency	Julia Tscherniewski (University of Wuppertal)*; Stefan Butzmann (University of Wuppertal)	ACCEPT	YES	Germany
19	70	Solar and Wind Forecasting Models for Efficient Renewable Energy Integration	Zineb Taddaoui (Sidi Mohamed Ben Abdelah University), Badr El Kari (Euromed University), Yassine Chalbi (Sidi Mohamed Ben Abdelah University), Mohamed Benslimane (Sidi Mohamed Ben Abdelah University), Zakaria Chalh (Sidi Mohamed Ben Abdelah University)	ACCEPT	YES	Morocco
20	75	Enhancing BTMS for Lithium-Ion Batteries: Applications and Comparative Analysis of Intelligent Algorithms	Hajar El Yassini (Ibn Tofail University), Kenza Oufaska (International University of Rabat), Khalid El Yassini (Moulay Ismail University), Rachid Bannari (Ibn Tofail University)	ACCEPT	YES	Morocco
21	76	Enhancing Adaptive Protection for Microgrids through Digital Twin Technology and a Game Theory Based Approach	Ayoub Zarka (Mohammed V University in Rabat), Mohammed Ouassaid (Mohammed V University in Rabat)	ACCEPT	YES	Morocco
22	77	An optimal site and size of DG Units by Using An Advanced ABC Algorithm	Meriem M'doud (Ibn Tofail University), Abdelfettah Bannari (Sultan Moulay Slimane University), Yousef Er-Rays (Abdelmalek Essassi University), Ismail El Kafazi (Sultan Moulay Slimane University), Rachid Bannari (Ibn Tofail University)	ACCEPT	YES	Morocco
23	79	Energy Trading Optimization for a Hydrogen-Powered Railway Microgrid Using Deep Reinforcement Learning	Amine Drissi (Mohammed V University in Rabat), Mohammed Ouassaid (Mohammed V University in Rabat)	ACCEPT	YES	Morocco
24	82	Wind Turbine MPPT Control Under Varying Wind Conditions: Comparative Study of Backstepping and Sliding Mode Strategies	Sohayla El Ouardi (Sidi Mohamed Ben Abdelah University), Mourad Yessif (Sidi Mohamed Ben Abdelah University), Yassine Chalbi (Sidi Mohamed Ben Abdelah University), Zakaria Chalh (Sidi Mohamed Ben Abdelah University)	ACCEPT	YES	Morocco
25	84	A Modified ABC Algorithm For The Best Placement Of DG Units	Meriem M'doud (Ibn Tofail University), Abdelfettah Bannari (Sultan Moulay Slimane University), Yousef Er-Rays (Abdelmalek Essassi University), Rachid Bannari (Ibn Tofail University), Ismail El Kafazi (Sultan Moulay Slimane University)	ACCEPT	YES	Morocco
26	86	Enhancing Bearing Fault Diagnosis Using Random Forest Optimized by Metaheuristic Algorithms	Muhammed Duran Yazar (Bolu Abant İzzet Baysal University)*; Kemal Polat (Bolu Abant İzzet Baysal University)	ACCEPT	YES	Turkiye
27	87	Effect of Long-Term Aging of Polyimide at Sub-Operating Temperature	Sumit Kumar Shukla (Kiroskar Brothers Limited), Santosh Ghosh (Kiroskar Brothers Limited), Harshal Landage (Kiroskar Brothers Limited), Ravindra Brajdar (Kiroskar Brothers Ltd)	ACCEPT	YES	India
28	91	Transformer Fault Detection Using DGA Based on IEC Method and KNN Classifiers	Maria Cristina Nitu (ICMET Craiova), Anca-Mihaela Acliu (ICMET Craiova), Claudiu-Ionel Nicola (ICMET Craiova, University of Craiova), Marcel Nicola (ICMET Craiova, University of Craiova)	ACCEPT	YES	Romania
29	93	Optimised Energy Management for Vehicle-to-Building Integration in Public Buildings	Luiz Almeida (University of Coimbra), Ana Soares (University of Coimbra), Pedro Moura (University of Coimbra)	ACCEPT	YES	Portugal
30	94	Three-Dimensional Time-Domain Modelling of Impedance-Source Inverters for Extended Modulation Range without Baseband Distortion	Alexis Kwasinski (University of Pittsburgh)*	ACCEPT	YES	USA
31	95	Fault Detection using a Reduced Order Filter for Active Suspension Systems Represented by Takagi-Sugeno Fuzzy Models	Khalid Badie (Cadi Ayyad University), Naoufal El Youssfi (Sidi Mohamed Ben Abdelah), Zakaria Chalh (Sidi Mohamed Ben Abdelah), Laila Dami (Cadi Ayyad University)	ACCEPT	YES	Morocco
32	96	Development and Experimental Testing of a Mahogany Seed-Inspired (S. macrophylla King) Centimeter-Scale Wind Turbine (CSWT)	Cris Dave E. Baluaog (University of the Philippines Los Baños), Gabriela Monica M. Gonzales (University of the Philippines Los Baños), Ma. Danica Lebosada (University of the Philippines Los Baños), Alvin G. Maghirang (University of the Philippines Los Baños), John Paul P. Manzano (University of the Philippines Los Baños)	ACCEPT	YES	Philippines
33	99	Frequency and Angular Stability Assessment of An Evolved Dutch Power System under Hypothetical Dynamic Properties for 2050 Energy Transition	Sander Skogen (Delft University of Technology), Jose Luis Rueda Torres (Delft University of Technology), Peter Palensky (Delft University of Technology)	ACCEPT	YES	Netherlands
34	100	Enhanced Single Switch Ultra High Step-Up DC-DC Converter with Soft-Switching Capability	Sohrab Abbasian (Tampere University), Siros Jalilvan (Kermanshah Uni. of Technology), Haniye Kairaei (Roudehen Branch Islamic Azad University), Hossein Hafezi (Tampere University), Tomi Roinla (Tampere University)	ACCEPT	YES	Finland
35	101	Implementation and Validation of a Corona Effect Model in ATPDraw	Alexis Labanda Garcia (Universidad Politécnica Salesiana), Santiago Reinoso Gallardo (Universidad Politécnica Salesiana), Flavio Quizhpi Palomeque (Universidad Politécnica Salesiana), Mateo Quizhpi Cuesta (Universidad Politécnica Salesiana)	ACCEPT	YES	Ecuador
36	102	An Overview of Gate Oxide Degradation Monitoring Techniques in SiC MOSFETs	Mohammad Vedadi (Onsemi), Philipp Rehlender (Onsemi)	ACCEPT	YES	Germany

37	103	Building Energy Management System Using RB-NMPC: Modeling, validation, and test methods	Imene Benrabia (University of Duisburg-Essen), Dirk Söffker (University of Duisburg-Essen)	ACCEPT	YES	Germany
38	104	Predicting the biogas production in an electrical voltage-applied reactor using real-time data monitoring and deep learning	Ali Ashraf Jolani (Inha University), Om Prakash (Inha University), Masoud Makian (Inha University), Mohamadali Mohit (Inha University), Yoon Sun (Inha University), Hyungjun Ra (Inha University), ChungMan Moon (Daejeon Sejong Research Institute), Dong-Hoon Kim (Inha University)	ACCEPT	YES	South Korea
39	116	HIL Simulation of Load Frequency Control for Two Area Power System Using RT-OPAL	Marcel Nicola (ICMET Craiova, University of Craiova), Claudiu-Ionel Nicola (ICMET Craiova, University of Craiova), Cosmin Ionete (University of Craiova), Monica Roman (University of Craiova)	ACCEPT	YES	Romania
40	117	Comparative Performance for Multi-Motor PMSM Control Structure Based on PI-Retarded and Predictive-PI Controllers	Claudiu NICOLA (University of Craiova)*, Marcel NICOLA (University of Craiova), Dan SELISTEANU (University of Craiova), Gheorghe BUGOI (University of Craiova)	ACCEPT	YES	Romania
41	121	Thermal efficiency analysis of graphene oxide/water nanofluids in a thermosyphon solar flat plate collector	Lingala Syam Sundar (Prince Mohammad Bin Fahd University), Hiren Mewada (Prince Mohammad Bin Fahd University)	ACCEPT	YES	Saudi Arabia
42	124	Federated Multi-Task AI for Fire Detection and Risk Assessment with Edge Deployment and Explainability	Francia Chettiar (NMIMS University)	ACCEPT	YES	India
43	126	Laboratory setup for reproducing Non-Intentional Emissions of the LV distribution grid between 1.1 and 10 MHz	Javier Vildósola (University of the Basque Country (UPV/EHU)), Itziar Angulo (University of the Basque Country (UPV/EHU)), Igor Fernández (University of the Basque Country (UPV/EHU)), Jon González-Ramos (University of the Basque Country (UPV/EHU)), Alexander Gallarreta (University of the Basque Country (UPV/EHU)), David De La Vega (Univ. of the Basque Country (UPV/EHU))	ACCEPT	YES	Spain
44	128	Matrix transformer with integrated leakage inductance used in a DAB converter	Sanae Mensouri (Claude Bernard University Lyon 1), Fabien Sixdenier (Claude Bernard University Lyon 1), Christian Martin (Claude Bernard University Lyon 1)	ACCEPT	YES	France
45	129	Validation study of an open source extra-high voltage power grid model for Germany	Thorben Steiger (Fraunhofer ISE), Robert John (Fraunhofer ISE)*	ACCEPT	YES	Germany
46	130	Design and Implementation of a Kalman Filter-Based Frequency-Adaptive Differentiator for a Wide Frequency Range	Tiago Davi, Curi Busarello (Federal University of Santa Catarina)*; Newton da Silva (State University of Londrina)	ACCEPT	YES	Brazil
47	131	Energy and Power Management System Design for Hotel Loads on Ships Using Renewable Energy and Biofuel-Based Fuel Cell Systems	Batuhan Çakan (Elkon), İhsan Pehlivan (Sakarya University of Applied Sciences)	ACCEPT	YES	Turkiye
48	132	Characterization of a Reconstructed Low Voltage Grid as Propagation Medium for Narrowband Power Line Communications	Idurre Larrucea (University of the Basque Country (UPV/EHU)), Jon González-Ramos (University of the Basque Country (UPV/EHU)), Itziar Angulo (University of the Basque Country (UPV/EHU)), Igor Fernández (University of the Basque Country (UPV/EHU)), Javier Vildósola (University of the Basque Country (UPV/EHU)), Bernhard Grasel (University of Applied Sciences Technikum Vienna)	ACCEPT	YES	Spain
49	133	Static Modeling and Synchronization of Diesel Generators for Shore Power Integration in Bulk Carriers	Alireza Zabih (University of Coimbra), João Pedro F. Trovão (University of Sherbrooke), Carlos Henggeler Antunes (University of Coimbra), Ana Soares (University of Coimbra)	ACCEPT	YES	Portugal
50	134	Data-Driven Insights-A Machine Learning based EV Charging Behavior Prediction with Heterogeneous Users	Razan Habeeb (TU Dresden)*, Syed Irtaza Haider (TU Dresden), Shiwei Shen (TU Dresden), Rico Rajdke (TU Dresden), Frank H. P. Fitzke (TU Dresden)	ACCEPT	YES	Germany
51	137	A Novel Coenergy Based Torque Calculation Method for the Reluctance Motor Drives of Electric Vehicles	Richard Csaba Kovács (Széchenyi István University), Vilmos Páisz (Széchenyi István University), Tibor Vajsz (Robert Bosch Kft.), Csongor Horváth (Robert Bosch Kft.), István Szász (Széchenyi István University)	ACCEPT	YES	Hungary
52	140	A Novel Motor Modelling Method for Reluctance Motor Electric Vehicle Drive Systems	Vilmos Páisz (Széchenyi István University), Richard Csaba Kovács (Széchenyi István University), Tibor Vajsz (Robert Bosch Kft.), Csongor Horváth (Robert Bosch Kft.), István Szász (Széchenyi István University)	ACCEPT	YES	Hungary
53	143	Active Distribution Networks State Estimation Under Variable Generation and Load Conditions	Umut Emre Uzun (Zonguldak Bulent Ecevit University), Alper Kağan Candan (Manisa Celal Bayar University), Ali Rifat Boynuergi (Yildiz Technical University), Nihat Pamuk (Zonguldak Bulent Ecevit University)	ACCEPT	YES	Turkiye
54	144	An Access Control with Face Recognition Based on LBPH Algorithm	Salih Emre Bakan (University of Firat), Merve Yildirim (University of Firat)	ACCEPT	YES	Turkiye
55	145	Water Desalination Plant Utilizing Direct Normal Radiation by Means of PTC	Safwan Al-Qawabeh (Al-Zaytoonah University of Jordan), Nabeel Abu Shaban (Al-Zaytoonah University of Jordan), Ahmad Al-Salaymeh (The University of Jordan), Ayman Al-Maaitah (Wahaj Solar)	ACCEPT	YES	Jordan
56	147	A Comprehensive Study of Indoor Temperature Prediction of a Transpired Solar Collector Using Machine Learning	Nabeel Abu Shaban (Al-Zaytoonah University of Jordan), Rafiq Manna (Al-Zaytoonah University of Jordan), Abdelrahman Manna (Princess Sumaya University for Technology), Eman Abdelhafez (Al-Zaytoonah University of Jordan), Mohammad Fawair (Budapest University of Technology and Economics)	ACCEPT	YES	Jordan
57	149	Advanced Control Strategies for Mobile Robots Using Artificial Intelligence	Hamza Tahiri (Sidi Mohamed Ben Abdellah University), Ismail Mchichou (Sidi Mohamed Ben Abdellah University), Mohammed Ouabou (Moulay Ismail University), Mhamed Sayyouri (Sidi Mohamed Ben Abdellah University)	ACCEPT	YES	Morocco
58	150	Design a Hybrid FSO/RF Communication System and Its Performance Evaluation	Rasha Al-Dabbagh (Al-Nahrain University)*	ACCEPT	YES	Iraq
59	151	Design and Impact of a PV System in The UPS Administrative Building Under Construction in Cuenca	Jose Fernando Prieto Poggio (Universidad Politécnica Salesiana), Adrian Fernando Maldonado Mogrovejo (Universidad Politécnica Salesiana), Flavio Quiquiz Palomeque (Universidad Politécnica Salesiana)	ACCEPT	YES	Ecuador
60	152	IoT System for Logging Electrical Parameters of Nonsinusoidal Regime	Catalin Ichim-Burlacu (Politehnica University of Timisoara), Raluca Rob (Politehnica University of Timisoara), Cezara-Liliana Rat (Politehnica University of Timisoara), Adela-Diana Berdie (Politehnica University of Timisoara)	ACCEPT	YES	Romania
61	153	Lyapunov Function-Based Control for Two-Stage Point of Load Converter	Esmannur Kuru (Karabuk University)*; Ozan Gulbudak (Karabuk University); Mustafa Gökdağ (Karabuk University)	ACCEPT	YES	Turkiye
62	155	Reliability Analysis of an Archipelagic Region With a Grid-Connected Solar PV and Battery Energy Storage System Using Monte Carlo Simulation	Alina Quiñones (University of the Philippines Los Baños), Nathanael E. Silava (University of the Philippines Los Baños), Rodolfo A. Aguirre (University of the Philippines Los Baños)	ACCEPT	YES	Philippines
63	166	MILP based HEMS to Enhance Resiliency of Households' Considering Well-Being in Post-Disasters	Emir Kaan Tutus (Manisa Celal Bayar University), Alper Kağan Candan (Manisa Celal Bayar University), Ali Rifat Boynuergi (Yildiz Technical University), Nevzat Onat (Manisa Celal Bayar University)	ACCEPT	YES	Turkiye
64	168	Smart Grid Enabled Indoor Farming: A New Recipe for Energy Management Using Lighting Control	Mohammadjavad Abbaspour (University of New Brunswick); Mukund Shukla (University of Guelph); Praveen Saxena (University of Guelph); Shivam Saxena (University of New Brunswick)*	ACCEPT	YES	Canada
65	170	Provision of Frequency Containment Reserve from Lithium-Ion Batteries in a Low Inertia Grid	Nicklas Fuglsang (Ramboll Danmark A/S), Ashraf Khalil (Technical University of Denmark)	ACCEPT	YES	Denmark
66	171	Provision of Frequency Containment Reserve from PXC Plant in a Low Inertia Grid	Nuri Sezer Sahar (Technical University of Denmark), Ashraf Khalil (Technical University of Denmark)	ACCEPT	YES	Denmark
67	173	Wound Field Synchronous Motor Design for Electric Vehicles	Mehmet Demirdağ (Yildiz Technical University)*; Sibel Zorlu Partal (Yildiz Technical University)	ACCEPT	YES	Turkiye
68	174	Robust Stability Analysis of Time-Delayed LFC Systems Considering Variable-Speed Wind Turbines with De-loading Operation	Kübra Nur Gül (Niğde Ömer Halisdemir Üniversitesi)*; Sahin Sönmez (Malatya Turgut Özal University); Saffet AYASUN (Gazi Universitesi)	ACCEPT	YES	Turkiye
69	175	A Comparative Study on the Thermal Behavior of Second-Life and New Batteries under Realistic Operating Conditions	Ali Rifat Boynuergi (Yildiz Technical University)*; Feyza Turan (Istanbul Topkapi University); Ozlem Ozdemir (Yildiz Technical University); Yavuz Ates (Yildiz Technical University)	ACCEPT	YES	Turkiye
70	176	Voltage Regulation in Distribution Network Using Consensus-Based Algorithm: Impact of Different Communication Topologies and DG Power Variations	Jailro Giacomini (São Paulo State University), Juan Carlos Cebrian (University of São Paulo), Helmo Kalis Moraes Parades (São Paulo State University)	ACCEPT	YES	Brazil
71	177	Indirect Field Oriented Control of Induction Motors using Adaptive Differential Evolution Technique	Walid A. Omran (German University in Cairo), Amr W. Aboelwafaa (German University in Cairo), Amr W. Aboelwafaa (German University in Cairo), Khaled O. Alkotob (German University in Cairo), Walid A. Omran (German University in Cairo)	ACCEPT	YES	Egypt
72	178	Robust PMSM Speed Control Based on a Novel Logarithmic Reaching Law and Generalized Discontinuous PWM	Amr W. Aboelwafaa (German University in Cairo), Khaled O. Alkotob (German University in Cairo), Walid A. Omran (German University in Cairo)	ACCEPT	YES	Egypt
73	180	Effects of Fusion Techniques on Sparse Sampled Frames on 3D CNN Video Classifiers	Mohammad Rasras (National University of Science and Technology Politehnica), Iuliana Marin (National University of Science and Technology Politehnica), Serban Radu (National University of Science and Technology Politehnica), Irina Mocanu (National University of Science and Technology Politehnica)	ACCEPT	YES	Romania
74	183	Financial Viability of Hybrid AC-DC Power System for Buildings with EV and DC Loads	Adlan Pradana (University of Queensland), Mithulanathan Nadarajah (University of Queensland), Md. Mejbahul Haque (University of Queensland), Pinto Anugrah (University of Queensland)	ACCEPT	YES	Australia
75	184	Comparison of Control Indices in Evaluating Coordinated V2G-Fuel Cells for Frequency Support	Adlan Pradana (University of Queensland), Mithulanathan Nadarajah (University of Queensland), Baily Nuris Syifa (University of Queensland), Yuli Astriani (University of Queensland)	ACCEPT	YES	Australia
76	185	Mitigating Cyberattack Impacts on LFC-AVR Systems with High Renewable Penetration through Redundancy and Adaptive Kalman Filter	Adlan Pradana (University of Queensland), Mithulanathan Nadarajah (University of Queensland), Md. Mejbahul Haque (University of Queensland), Jiajie Feng (University of Queensland)	ACCEPT	YES	Australia
77	186	Optimal Dynamic Coordination of V2G and Fuel Cells as Frequency Control Ancillary Services	Adlan Pradana (University of Queensland), Yuli Astriani (University of Queensland), Mithulanathan Nadarajah (University of Queensland), Md. Mejbahul Haque (University of Queensland)	ACCEPT	YES	Australia
78	187	310MVA Power Transformer Condition Assessment and Fault Detection in a Power Plant: The Critical Role of DRM for OLTC Bouncing Contact Detection	Ir. Shamsudin Mohd Fuad (Petronas)*	ACCEPT	YES	Malaysia
79	188	Effect of Permanent Magnet Material Properties on Cogging Torque of PMSM	MERVE YILDIRIM (Firat University)*; Eyyup Oksuztepe (Firat University)	ACCEPT	YES	Turkiye
80	189	Prospects of using bladeless wind turbines for the urban environment	Cezara-Liliana Rat (Politehnica University of Timisoara), Adela Berdie (Politehnica University of Timisoara), Raluca Rob (Politehnica University of Timisoara), Catalin Ichim-Burlacu (Politehnica University of Timisoara)	ACCEPT	YES	Romania
81	190	Remote wind turbine monitoring using IoT	Cezara-Liliana Rat (Politehnica University of Timisoara), Raluca Rob (Politehnica University of Timisoara), Catalin Ichim-Burlacu (Politehnica Uni. of Timisoara), Caius Panouli (Politehnica Uni. of Timisoara)	ACCEPT	YES	Romania
82	191	Experimental platform for studying micro wind turbines	Catalin Ichim-Burlacu (Politehnica University of Timisoara), Cezara-Liliana Rat (Politehnica University of Timisoara), Raluca Rob (Politehnica University of Timisoara), Maria-Cristina Hoalga (Politehnica University of Timisoara)	ACCEPT	YES	Romania
83	194	Stability Improvement of Primary Frequency Control using Rate of Change of Frequency Signals	Ashraf Khalil (Technical University of Denmark)*	ACCEPT	YES	Denmark
84	195	A Multi-Mode Control Algorithm for Vehicle to X Considering Peak Demand, Emissions, and Outages	Farhan Tasnim (University of New Brunswick); Masoud Hasani (University of New Brunswick); Shivam Saxena (University of New Brunswick)*	ACCEPT	YES	Canada

85	197	Dynamic Bandwidth Allocation in Enterprise Network Architecture: A Real-Time Optimization Approach	Wickramasinghe TMLD (Sri Lanka Institute of Information Technology), Costa MMRS (Sri Lanka Institute of Information Technology), Dissanayake SCW (Sri Lanka Institute of Information Technology), Abayakoon AMWY (Sri Lanka Institute of Information Technology), Shashika Lokuliyana (Sri Lanka Institute of Information Technology), Narmada Ganage (Sri Lanka Inst. of Information Technology)	ACCEPT	YES	Sri Lanka
86	201	Forecasting Electricity Generation of a Geothermal Power Plant Using LSTM and GRU Networks	Kasim Zor (Adana Aparslan Turkes Science and Technology Uni.), Güzlar Gizem Tolun (Osmaniye Korkut Ata Uni.), Emine Şeker Zor (Çukurova Uni.)	ACCEPT	YES	Turkiye
87	206	270VDC Power Architecture for More Electric Aircraft: A Novel Approach to Modernizing Large Aircraft Electrical Systems	Ibrahim Hakyemez (Istanbul Technical University), Oğuz Kağan Keleş (Istanbul Technical University), Özcan Kalenderli (Istanbul Technical University), Mustafa Bağrıyanık (Istanbul Technical University)	ACCEPT	YES	Turkiye
88	207	Hydrogen Fuel Cell Based Emergency Power System Design for More Electric Aircraft Applications	Oğuz Kağan Keleş (Istanbul Technical University); Ibrahim Hakyemez (Istanbul Technical University); Mustafa Bağrıyanık (Istanbul Technical University); Özcan Kalenderli (Istanbul Technical University)	ACCEPT	YES	Turkiye
89	209	HF Pulse Signal Injection Based Method for Sensorless Control of PMSM with Cogging Torque Compensation	Viktor Petro (Technical University of Košice), Karol Kyslan (Technical University of Košice), Krisztián Horváth (Széchenyi István University), Karol Wróbel (Wrocław University of Science and Technology), Grzegorz Tarchala (Wrocław University of Science and Technology)	ACCEPT	YES	Slovak Republic
90	211	In-Pipe Electrical Machine Design for Smart Clean Water Grid Monitoring and Control Stations	Murat Erkan (Yıldız Technical University); Ali Rifat Boynuegri (Yıldız Technical University); Burak Tekgun (Yıldız Technical University)	ACCEPT	YES	Turkiye
91	212	Employing Modal Analysis for Computational Speed-up in Linear State-Space Systems	Noman Saied (University of Tennessee at Chattanooga); Abdelrahman Karrar (University of Tennessee Chattanooga)	ACCEPT	YES	USA
92	213	Interpolated Discrete Fourier Transform-Based Noise Extraction and Analysis in Power Distribution Systems	Rıvan Dogan (George Mason University), Mario Paolone (Ecole Polytechnique Fédérale de Lausanne), Liling Huang (George Mason University), Kenneth E. Martin (Electric Power Group)	ACCEPT	YES	USA
93	216	Novel Parametric Power Flow for Approximate Voltage Stability Assessment	Mariana Kamel (EnerNex), Abdelrahman Karrar (University of Tennessee at Chattanooga)	ACCEPT	YES	USA
94	217	Experimental Study on Breakdown Voltage Performance of Natural Ester and Mineral Oils	Murat Dinc (Kirkireli University), Oktay Arıkan (Yıldız Technical University), Firat Akin (Yıldız Technical University)	ACCEPT	YES	Turkiye
95	218	DG Optimization in Power Systems Considering Power Losses and CB Rating Violations	Firat Akin (Yıldız Technical University), Murat Dinc (Kirkireli University), Oktay Arıkan (Yıldız Technical University)	ACCEPT	YES	Turkiye
96	219	The prospects and challenges of making Romania energy efficient	Catalin Ichim-Burlacu (Politehnica University of Timisoara), Adela Berdie (Politehnica University of Timisoara), Cezara-Liliana Rat (Politehnica University of Timisoara), Panou Manuela (Politehnica University of Timisoara)	ACCEPT	YES	Romania
97	220	A systematic approach towards wind turbines: classification and performance analysis	Cezara-Liliana Rat (Politehnica University of Timisoara), Adela Berdie (Politehnica University of Timisoara), Catalin Ichim-Burlacu (Politehnica University of Timisoara), Panou Manuela (Politehnica University of Timisoara)	ACCEPT	YES	Romania
98	221	Modular Design of an Extendable DC-PD Measurement System for Research and Monitoring Applications	Markus Valtin (TU Berlin); Christian Brose (TU Berlin); Ronald Plath (TU Berlin)	ACCEPT	YES	Germany
99	222	Direct Interfacing of Admittance-Based Aggregated Models of Converter-Interfaced Resources in Nodal Analysis EMT Simulators	Arash Safavizadeh (University of British Columbia), Rahul Raman Ramesh (University of British Columbia), Seyyedmehdi Ebrahimi (Washington State University), Juri Jatskevich (University of British Columbia)	ACCEPT	YES	Canada
100	224	Performance Evaluation of FOC and FCS-MPC Controlled PMSM Drives for Electric Vehicles	Aydın Boyar (Neveşehir Hacı Bektaş Veli University); Ersan Kabalcı (Neveşehir Hacı Bektaş Veli University)	ACCEPT	YES	Turkiye
101	225	Field-Assisted Photon Emission in Single-Electron Quantum Dot Structures	Nihad A. A. Elhag (Gezira University), Raga Ahmed (University of Tennessee at Chattanooga), Sharief Babikir (University of Tennessee at Chattanooga)	ACCEPT	YES	USA
102	227	Designing an IGBT-Based Active Front-End Rectifier with Voltage Oriented-based Control for Power-to-Hydrogen Electrolyzers	Arman Fathollahi (Aarhus University), Torsten Wildenradt Nielsen (Aarhus University), Björn Andresen (Aarhus University), Christian Dannesboe (Haldrup Topsoe A/S)	ACCEPT	YES	Denmark
103	228	Detection and Mitigation of Bad Data Injection Attack using Deep Reinforcement Learning in a Virtual Power Plant	Richard Wieniec (Tennessee State University); Sagnika Ghosh (Tennessee State University)*	ACCEPT	YES	USA
104	238	Robust Online Parameter Estimation of M2PC-Controlled IM Using Unscented Kalman Filter	Uğur Körpe (Kirsehir Ahi Evran University); Mustafa Gökdağ (Karabuk University); Ozan Gülbudak (Karabuk University)	ACCEPT	YES	Turkiye
105	248	Design, Implementation, and Performance Analysis of an High-Efficiency Single-Stage Inverter Architecture with Integrated Battery Storage for On-Grid and Off-Grid Solar PV Applications	Uğur Anuk (RENPRO Energy), Ükü Esra Okuyan (RENPRO Energy), Yusuf Domyal (RENPRO Energy), Mustafa Gökhan Ergin (RENPRO Energy)	ACCEPT	YES	Turkiye
106	249	A New Communication-Enabled Feeder Monitoring Device for Smart Distribution Grids	Uğur Anuk (RENPRO Energy), Ükü Esra Okuyan (RENPRO Energy), Yusuf Domyal (RENPRO Energy), Mustafa Gökhan Ergin (RENPRO Energy)	ACCEPT	YES	Turkiye
107	255	Towards Unified Wireless Systems: ISAC Technologies in the 6G Era	Alperen Cengiz (Nigde Ömer Halisdemir Uni.); Yasin KABALCI (Nigde Ömer Halisdemir Uni.)*	ACCEPT	YES	Turkiye
108	257	Distribution-Aware Chemistry-Informed Reliability Modeling of Lithium-Ion Batteries with ReAI-Net	Sahar Qaadan (German Jordanian University), Aiman Alshare (German Jordanian University), Rami Alazrai (German Jordanian University), Adam Alkhalaf (German Jordanian University), Mohammad I. Daoud (German Jordanian University), Mustafa Z. Ali (Jordan University of Science and Technology), Alexander Popp (University of Wuppertal), Benedikt Schmuelling (University of Wuppertal)	ACCEPT	YES	Jordan
109	264	Universal Fuzzy Controller Producing Correction Signal that Damps Mechanical System Oscillations	Stanimir Valtchev (University NOVA of Lisbon), Alexey Sinyukov (Lipetsk State Technical University), Tatyana Sinyukova (Lipetsk State Technical University), Viktor Meshcheryakov (Lipetsk State Technical University), Elena Gracheva (Kazan State Power Engineering University), Rosario Miceli (University of Palermo)	ACCEPT	YES	Portugal
110	268	Comparative Analysis of Fixed-Parameter and UKF-Based Adaptive M2PC-Controlled Induction Machines Under Parameter Variations	Uğur Körpe (Kirsehir Ahi Evran University); Mustafa Gökdağ (Karabuk University); Ozan Gülbudak (Karabuk University)	ACCEPT	YES	Turkiye
111	270	An Adaptive E-Learning Platform for Individuals with Down Syndrome	Sandaruwan U.V.S. (Sri Lanka Institute of Information Technology), Janithya Dias (Sri Lanka Institute of Information Technology), Shamindi Hettisinghe (Sri Lanka Institute of Information Technology), Dilshan Priyawansa (Sri Lanka Institute of Information Technology), Sanjeev Chandrasiri (Sri Lanka Institute of Information Technology), Buddhima Attanayaka (Sri Lanka Institute of Information Technology)	ACCEPT	YES	Sri Lanka
112	272	A Novel Multilevel Triple Interline Bidirectional DC Power Flow Controller	Ehsan Najafi (University College Dublin), Hossein Tavakoli (Qom University of Technology), Seyyed Fariborz Zarei (Qom University of Technology)	ACCEPT	YES	Ireland
113	277	Online Optimization using Distributed Algorithm for Power System Stability	Ghayur Hassan (Skolkovo Institute of Science and Technology), Liang Liang (Harbin Institute of Technology), Elena Gryazina (Skolkovo Institute of Science and Technology)	ACCEPT	YES	Russia
114	279	Importance of Efficient MPPT Techniques for Optimizing Photovoltaic Systems with P&O Algorithm and Boost Converter	Mohamed Ayoubi (SMBU University), Mourad Yessif (SMBU University), Youness Hakam (Moroccan School of Engineering Sciences), Mohamed Tabaa (Moroccan School of Engineering Sciences), Yassine Chabi (SMBU University), Zakaria Chalh (SMBU University)	ACCEPT	YES	Morocco
115	281	PARS Latch: A Power-Efficient and Resilient Latch for Mitigating Single-Event Multiple Upsets in Cyber-Physical Environments	Ali Zarei (Amirkabir University of Technology)*	ACCEPT	YES	Iran
116	282	Intelligent Classifiers for Islanding Detection in Microgrids and Modern Power Systems	Rukiye Gök (Gazi University); Erdal İrmak (Gazi University)*	ACCEPT	YES	Turkiye
117	283	Life cycle improvement of battery including sizing of PV/Wind/Fuel cell and Diesel Generator in DC microgrid using Catch Fish Optimization	Manoj B. Lonkar (Fr. Conceicao Rodrigues Institute of Technology), Sushil S. Thale (Fr. Conceicao Rodrigues Institute of Technology)	ACCEPT	YES	India
118	284	Thermal efficiency of Parabolic Trough Collector Working with Al2O3/water Nanofluid: Experimental and Machine Learning Analysis	Lingala Syam Sundar (Prince Mohammad Bin Fahd Uni.), Hiren Kumar Mewada (Prince Mohammad Bin Fahd Uni.)	ACCEPT	YES	Saudi Arabia
119	287	Self-Balancing Control for Stackable Multi-Phase DC-DC converter with Ripple-Based Inductor Mismatch Compensation	Narayanan Seetharaman (Texas Instruments GmbH), Puneet Sareen (Texas Instruments GmbH)	ACCEPT	YES	Germany
120	288	Conventional vs Renewable Energy: A Case Study	Natasa Zivic (University of Applied Sciences Liepzig), Tamara Cvijanovic (NBC Univerzng), Marjan Ivanov (CRE International)	ACCEPT	YES	Germany
121	289	A Comparative Study of FPGA Implementation of PSO and AOA for Real-Time Optimization	Mohamed Aymen Zermani (Tunis El Manar University), Elyes Feki (Tunis El Manar University), Abdelkader Mami (Tunis El Manar University)	ACCEPT	YES	Tunisia
122	291	Frequency Response Measurement of the Loop Gains of Digitally Controlled Converters by Disturbing Digital Circuits	Kristians Gaspersons (Riga Technical University); Kaspars Kroics (Riga Technical University)*	ACCEPT	YES	Latvia
123	292	More Accurate Reliability Estimation of Electric Devices Operated at Voltages Up to 1 kV	Stanimir Valtchev (University NOVA of Lisbon), Elena Ivanova Gracheva (Kazan State Power Engineering University), Almaz Radikovich Petrov (Kazan State Power Engineering University), Viktor Meshcheryakov (Lipetsk State Technical University), Tatyana Sinyukova (Lipetsk State Technical University), Rosario Miceli (University of Palermo)	ACCEPT	YES	Portugal
124	293	Electrical Supply Reliability of Circuits with Transformer Substations in Technical and Economic Decisions	Stanimir Valtchev (FCT/UNL)*; Renata Petrova (Kazan State Energy University); Elena Gracheva (Kazan State Energy University); Dilyana Gospodinova (Technical University of Sofia); Tatyana Sinyukova (Lipetsk State Technical University); Rosario Miceli (University of Palermo)	ACCEPT	YES	Portugal
125	297	Assessment of Switching-Wear Endurance of Industrial Low-Voltage Devices	Stanimir Valtchev (University NOVA of Lisbon), Elena Ivanova Gracheva (Kazan State Power Engineering University), Almaz Radikovich Petrov (Kazan State Power Engineering University), Dilyana Gospodinova (Technical University of Sofia), Tatyana Sinyukova (Lipetsk State Technical University), Rosario Miceli (University of Palermo)	ACCEPT	YES	Portugal
126	298	Employing the Static Electric Field in Diagnosing the Burial Depth of Grounding Grid	Hamid Ali (COMSATS University Islamabad), Amir Qamar (COMSATS University Islamabad), Belawal Behram (COMSATS University Islamabad)	ACCEPT	YES	Pakistan
127	299	The Effect of the Reference Generator Utilization on the LSTM Based Speed and Load Torque Estimation of IMS	Mehmet Muzaffer Kosten (Koç Bilgi ve Savunma Teknolojileri A.Ş.), Alper Emlek (Nigde Ömer Halisdemir University), Recep Yıldız (Nigde Ömer Halisdemir University); Murat Barut (Nigde Ömer Halisdemir University)	ACCEPT	YES	Turkiye
128	301	Cybersecurity in Electric Vehicle Infrastructure and the Impacts of Post-Quantum Encryption	Zeynep Ebru İşık (Gazi University); Erdal İrmak (Gazi University)*	ACCEPT	YES	Turkiye
129	303	A Hybrid ML-Digital Twin Framework for Differentiating Cyberattacks from Legitimate Price Fluctuations in Electricity Markets	Muhammad Arbab Khan (Purdue University Northwest), Arash Asrari (Purdue University Northwest), Ehsan Naderi (Arkansas State University), Poria Fajri (University of Nevada)	ACCEPT	YES	USA
130	307	Advancing Onboard SOC Estimation: Transfer-Learning-Enabled Transformer Models Trained on Stock EV CAN Datasets	Masood Shahverdi (California State University), David Robertson (Argonne National Laboratory), Brian Castillo (California State University)	ACCEPT	YES	USA
131	309	Modeling of a Two-Level Inverter with an SPMSM as Part of a Load Sided Resonant Inverter Under Fundamental Frequency Switching	Jan Loos (Hochschule Ruhr West), Kerstin Siebert (Hochschule Ruhr West), Holger Hirsch (Duisburg University)	ACCEPT	YES	Germany
132	311	Optimal Torque Sharing-Based Direct Instantaneous Torque Control Strategy for Torque Ripple Reduction in Switched Reluctance Motors	Ameer L. Saleh (Budapest University of Technology and Economics), László Számel (Budapest University of Technology and Economics)	ACCEPT	YES	Hungary

133	312	Dynamic Grid Buffering with Second-Life EV Batteries: A Reinforcement Learning Optimization Approach	Md Nafeez Rahman (Ufa University of Science and Technology), Akhtyamov Roman Rinatovich (Ufa University of Science and Technology), Md. Siddikur Rahman (Universiti Teknologi PETRONAS), Md Maulid Islam (Asian Institute of Technology), Viacheslav Vavlov (Ufa University of Science and Technology), Jai Govind Singh (Asian Institute of Technology)	ACCEPT	YES	Russia
134	313	Influence of Unbalanced Load and PV Integration on Low-Voltage Distribution Networks in Determining Rooftop PV Hosting Capacity Allocation: A Case Study in Indonesia	Guntur Chandra Prasito (Institut Teknologi Bandung), Kevin Marojahan Banjar-Nahor (Institut Teknologi Bandung), Nanang Hariyanto (Institut Teknologi Bandung)	ACCEPT	YES	Indonesia
135	317	Assessment of Solar PV Integration and Converter Control Strategy in MTDC-AC Hybrid Networks Using the Flexible Universal Branch Model	Baseem Nasir Al_Sinayyid (Gazi University), Nihat Ozturk (Gazi University)*	ACCEPT	YES	Turkiye
136	320	A Spatial Data-Driven Approach to Managing Electrical Infrastructure: A Case Study at USTP Campus	Daxter William L. Gulben (Southern Taiwan University of Science and Technology), Ellen Jane G. Gulben (Southern Taiwan University of Science and Technology), Bryan M. Pining (Southern Taiwan University of Science and Technology), Jeong-Min Ling (Southern Taiwan University of Science and Technology)	ACCEPT	YES	Taiwan
137	322	Hybrid PSO-DNN Framework for Improved Relay Coordination in AC Microgrids under High-Impedance Faults	Pratibha Singh (Motilal Nehru National Institute of Technology Allahabad), Arash Safavizadeh (University of British Columbia), Juri Jatskevich (University of British Columbia), Niraj Kumar Choudhary (Motilal Nehru National Institute of Technology Allahabad), Nitin Singh (Motilal Nehru National Institute of Technology Allahabad)	ACCEPT	YES	Canada
138	324	Delay-Dependent Analysis of MG GF-M-VSG Using Rekasius Substitution	Israhim O. Mohamed (Gazi University), Mohammed Zaki (Gazi University), Saffet Ayasun (Gazi University)*	ACCEPT	YES	Turkiye
139	325	Microcontroller Implementation of Lookup-Table-based Hall Sensor Correction for Improving Dynamic Performance for Brushless DC Motors	Matthew Hasman (University of British Columbia)*, Juri Jatskevich (University of British Columbia), Mark Phung (University of British Columbia), Ziliang Feng (University of British Columbia)	ACCEPT	YES	Canada
140	326	Techno-Economic Optimization of Off-Grid Hybrid Systems in Tagoloan, Misamis Oriental Using the Artificial Bee Colony Algorithm	Ellen Jane G. Gulben (Southern Taiwan University of Science and Technology), Daxter William L. Gulben (Southern Taiwan University of Science and Technology), Anthony Joe Casifio (Southern Taiwan University of Science and Technology), Jeong-Min Ling (Southern Taiwan University of Science and Technology)	ACCEPT	YES	Taiwan
141	328	Assessment of Wind Energy Potential in Ethiopia: A Case Study of the Sela Dengay Wind Farm	Mahshid Javdsharifi (Aalborg University), Hamoun Pourroshanfekr Arabani (Lund University), Solomon Feleke Akilu (Debre Berhan University), Degarege Anteneh (Debre Berhan University), Juan C. Vasquez (Aalborg University), Josep M. Guerrero (Valladolid University), Yajuan Guan (Aalborg University)	ACCEPT	YES	Denmark
142	329	A Novel Fractal Metamaterial-Based Antenna for Wireless Communications in C-Band and X-Band	Ahmed Salem (The University of Jordan), Ammar Aziz (The University of Jordan), Nouredin Abdallah (The University of Jordan), Yanal Fauri (The University of Jordan)*	ACCEPT	YES	Jordan
143	330	Double Negative Reconfigurable Multilayered Imaging Metamaterial Antenna	Ammar Aziz Ahmed (The University of Jordan), Ahmed A. Salem (The University of Jordan), Nouredin B. Abdallah (The University of Jordan), Yanal S. Fauri (The University of Jordan)	ACCEPT	YES	Jordan
144	336	Effect of Temperature on Frequency Domain Spectroscopy Measurements on Stator Bar Insulation through Triangular Excitation	Honey Susan Eldo (National Institute of Technology, Calicut), Nasirul Haque (National Institute of Technology, Calicut), Sindhu T.K (National Institute of Technology, Calicut)	ACCEPT	YES	India
145	338	Oxygen Transport Mechanisms in Double Peroxide Oxides for Advanced Metal-Air Battery Applications	Nilüfer Ertekin (Yalova University)	ACCEPT	YES	Turkiye
146	339	Flexible Transmit Power Reconfiguration in Private 5G Networks using the Asset Administration Shell	Hasal Kulasekara Pallewaththe Kankanamge (Technische Universität Dresden), Parva Yazdani (Institut für Automation und Kommunikation), Takashi Shiba (Tohoku Uni.), Gustavo Pedrosa Cainelli (Institut für Automation und Kommunikation), Santiago Soler Perez Olaya (Technische Universität Dresden), Martin Wolschlaeger (Technische Universität Dresden), Noriharu Suematsu (Tohoku Uni.)	ACCEPT	YES	Germany
147	341	Experimental and Artificial Neural Network Predictions of Thermal Efficiency of Flat Plate Collector with SiO <sub>2</sub> /Glycerol+Water Nanofluids	Lingala Syam Sundar (Prince Mohammad Bin Fahd University), Feroz Shaik (Prince Mohammad Bin Fahd University)	ACCEPT	YES	Saudi Arabia
148	344	Floating Solar Photovoltaics: Design Classifications and Technological Trends	Mohammad Saleh Goharian (Shahid Beheshti University), Mahdi Gandomzadeh (Shahid Beheshti University), Aslan Gholami (Shahid Beheshti University), Roghayeh Gavagsaz-Ghoachani (Shahid Beheshti University), Mathepot Phattanarak (King Mongkut's University of Technology)	ACCEPT	YES	Thailand
149	347	Optimizing Real-Time Data Analytics for Smart Grids via IoT Broker Extensions	Olamide Adeniyi (University of New Brunswick); Shivam Saxena (University of New Brunswick)*	ACCEPT	YES	Canada
150	352	Smart demand side management using battery SOC-based control for refrigeration appliances in a solar hybrid system	Josephine Nakato Kakande (Paderborn University)*, Godiana Hagle Philipo (Paderborn University), Stefan Krauter (Paderborn University)	ACCEPT	YES	Germany
151	353	Architecture, Instrumentation and Control of Liquid Piston Compressor for Energy Storage Applications	Angad Panesar (University of Brighton), Guillaume De Sercey (University of Brighton), Tom Preston (University of Brighton), Emily Pike-Wilson (University of Brighton)	ACCEPT	YES	UK
152	356	Different Solutions for Dynamic Wireless Power Transfer to Indoor Autonomous Mobile Robots Moving along Arbitrary Path	Deniss Stepiņš (Rīga Technical University), Janis Zakis (Rīga Technical University), Kirils Kolesnikovs (Polytechnic University of Turin), Kamal Khandajki (Tallia Technical Uni.), Endriu Derevlagin (Riga Technical Uni.)	ACCEPT	YES	Latvia
153	363	Model-Free Optimal Control of PV-DC Microgrid Integration Using Value Iteration Algorithm	Abdulrah Alsharief (North Carolina State University), Osamah Aljumah (North Carolina State University), Sulaman Alshammari (North Carolina State University), Frederick Livingston (North Carolina State University)	ACCEPT	YES	USA
154	364	A Dithered Carrier Level Shifted Sine Pulse Width Modulation Technique for EMI Reduction in Cascaded H-Bridge Multi-Level Inverters	Semih Unal (Abdullah Gül University); Burak Tekgun (Abdullah Gül University)*	ACCEPT	YES	Turkiye
155	365	Synthetic Digital Model for Stability Performance Assessment in the Future Dutch Power System	Midhuna Garapati (Delft University of Technology), Camilla Castrillon-Franco (Delft University of Technology), Jonathan Aviles-Cedeno (Delft University of Technology), Jose Luis Rueda-Torres (Delft University of Technology), Peter Palensky (Delft University of Technology)	ACCEPT	YES	Netherlands
156	366	High-Fidelity Drive-Cycle-Based Battery Discharge Modeling for Electric Scooters Using GPS-Derived Torque Dynamics	Ali TOPRAK (İstanbul Topkapı Üniversitesi)*; Ali Rifat Boynueğri (Yıldız Teknik Üniversitesi); Altuğ Bozkurt (Yıldız Teknik Üniversitesi)	ACCEPT	YES	Turkiye
157	367	Design of a New High-Gain Non-Isolated DC-DC Converter using single switch for Electric Vehicle Battery Charging	Natarajan Prabhakaran (SASTRA Deemed University), Arounaachalesvarar B (TATA Semiconductor Assembly and Test Ltd), Lavanya R (Schneider Electric), Vignesh R (SASTRA Deemed University), Sriam G (SASTRA Deemed University), Santhosh T.K (SASTRA Deemed University)	ACCEPT	YES	India
158	368	Influence of Eccentricity Faults on IPM Motor Equivalent Circuit Characteristics	Didem Tekgün (Abdullah Gül University)*	ACCEPT	YES	Turkiye
159	369	Power Factor Improvement of a Permanent-Magnet Vernier Machine With Harmonic Injected Excitation Currents	Hasan Can Karatepe (Abdullah Gül University); Didem Tekgün (Abdullah Gül University)*	ACCEPT	YES	Turkiye
160	370	Empowering Spiral Antennas with Metamaterials: A High-Efficiency Solution for C-Band Systems	Nouredin B. Abdallah (The University of Jordan), Ammar A. Ahmed (The University of Jordan), Ahmed A. Salem (The University of Jordan), Yanal S. Fauri (The University of Jordan)	ACCEPT	YES	Jordan
161	371	A DigSILENT-Based Comparative Study of Hydrogen Storage and Lithium-Ion Battery Technologies	Hulusi Faik Orhan (Firat University), Abuzer Çalıskan (Firat University), Kıvanç Doğan (Firat University)	ACCEPT	YES	Turkiye
162	374	Real-Time HIL Validation of PS-EKF Sensorless FOC Strategy with PI Controllers for PMSM Drive System	El-Houssine Bekkour (Sidi Mohamed Ben Abdellah University), Zakariae Sakrhi (Sidi Mohamed Ben Abdellah University), Badre Bossoufi (Sidi Mohamed Ben Abdellah University), Youness El Mourabit (Sidi Mohamed Ben Abdellah University), Safae Merzouk (Honoris United Universities), Said Mahfoud (Sultan Moulay Slimane University)	ACCEPT	YES	Morocco
163	378	Joint RIS Leasing and Energy Management for Delay-Tolerant 6G Networks	Zawar Hussain (Lahore University of Management Sciences), Naveed Ul Hassan (Lahore University of Management Sciences), Ijaz Haider Naqvi (Lahore University of Management Sciences)	ACCEPT	YES	Pakistan
164	380	Direct Power Control Based on Fractional Order Proportional Integral of DFIG: Real-Time Implementation on STM32F4	Yassine Seghrouchni (Sidi Mohamed Ben Abdellah University), Mourad Yessef (Sidi Mohamed Ben Abdellah University), Hatim Ameznine (Sultan Moulay Slimane University), Badre Bossoufi (Sidi Mohamed Ben Abdellah University)	ACCEPT	YES	Morocco
165	381	Enhancing Photovoltaic System Performance: An Artificial neural network-Based MPPT Inverter with Energy Storage	Mourad Yessef (SMB A University), Yassine Seghrouchni (SMB A University), Youness Hakam (EMS), Mohamed Tabaa (EMS), Mohamed Benslimane (SMB A University)	ACCEPT	YES	Morocco
166	382	Parameter Analysis Influencing Inductive Power Transfer: a review	Souad Beradi (Ibn Tofail University), Wiam Ayri (Ibn Tofail University), Mohamed Nabil Srfi (Ibn Tofail University)	ACCEPT	YES	Morocco
167	385	Timeseries Synthetic Load Data Generation for Forecasting and Power System Studies	Altan Unlu (University of Connecticut), Malaquias Peña (University of Connecticut)	ACCEPT	YES	USA
168	387	Dynamic Transmission Expansion Planning Under Progressive EV Adoption: Quantifying EV-Driven Reinforcement Needs	Himri Cihan Gökürüm (University of Castilla-La Mancha), Gregorio Munoz-Delgado (University of Castilla-La Mancha), Javier Contreras (University of Castilla-La Mancha), Ozan Erdinc (Yıldız Teknik University)	ACCEPT	YES	Spain
169	388	Overview of current limitation methods for Grid Forming Converters	Mohamed El Mahdi Bouaoud (University of Rostock); Loknadh Salagamsetty (University of Rostock); Lijun Cai (University of Rostock)*	ACCEPT	YES	Germany
170	389	Resonance Tracking Control at Fixed Frequency for Electromagnetic Induction-based Systems	Sachio KUBOTA (National Institute of Technology, Toba College, Japan)*	ACCEPT	YES	Japan
171	390	Design of Non-Isolated Bidirectional DC-DC Converter for Electric Vehicle Charging System	Sriam G (SASTRA Deemed University), Natarajan Prabhakaran (SASTRA Deemed University), Vignesh R (SASTRA Deemed University)	ACCEPT	YES	India
172	396	Optimal Operation of Mobile Charging Stations Serving Drones and Electric Vehicles	Zuhair Abdalmenem (American University of Sharjah), Ahmed M. Benaya (American University of Sharjah), Eiman ElCharam (American University of Sharjah), Mohamed S. Hassan (American University of Sharjah), Ahmed Osman (American University of Sharjah)	ACCEPT	YES	UAE
173	400	Hybrid Energy Storage System Controller Design for Electric Vehicles: Multi-verse Optimizer Algorithm Approach	Aydin Boyar (Neveshir Haci Bektas Vali University), Yasin Kabaçal (Niğde Ömer Halisdemir University), Ersan Kabaçal (Neveshir Haci Bektas Vali University)	ACCEPT	YES	Turkiye
174	401	Impact of High PV Penetration on Load Forecasting Accuracy in Smart Grid	Ronak Doshi (Marwadi University), Amit Ved (Marwadi University), Rajendrasinh Jadeja (Marwadi University)	ACCEPT	YES	India
175	402	Digital Twin Application in Monitoring Parametric Variation in Dual Input Hybrid Output Converter for Standalone Nano Grid	Vinodini Bhole (COEP Technological University Pune), Sanjay Dambhare (COEP Technological University Pune), Archana Thosar (COEP Technological University Pune)	ACCEPT	YES	India
176	403	Evaluating the Performance of Tier 2 Transformers with Copper and Aluminum Windings: Impact on Energy Efficiency and EU Regulation Compliance	Kamran Dawood (Astor Enerji)*; Furkan Gezer (Astor Enerji); Güven Kömürçöz (Istanbul Technical University); Semih Tursun (Astor Enerji)	ACCEPT	YES	Turkiye
177	411	A Novel Active Cell Balancing Method with Flyback Converter Topology for Fast Charge Capability of Electrical Vehicles	Abdusamet Pallaci (Assan Elektronik), Remzi İnan (Isparta University of Applied Sciences)	ACCEPT	YES	Turkiye
178	416	Enhance Hill Climbing algorithm for fast scanning detection under dynamic irradiation	Ali Jawad Alrubaie (Universiti Sains Malaysia), Mohamed Salem (Universiti Sains Malaysia), Khlid Ben Hamad (Fezzan University), Akrem Asmeida (College of Computer Technology Zawia), Mohamad Kamarol (Universiti Sains Malaysia), Yahya BenYahmed (University of Fezzan)	ACCEPT	YES	Malaysia
179	417	Lossy SCUC Energy-Reserves Co-Optimization: N-1 security under frequency regulation reserves depletion	Edwar A. Ramirez (University of Antioquia), Diego Mejia Giraldo (University of Antioquia), Esteban Veilla (University of Antioquia)	ACCEPT	YES	Colombia
180	418	Edge-AI Vision Surveillance Robot: Real-Time Object Detection and IoT-Driven Autonomous Navigation	Istak Ahammed (North South University), Md. Kawsar Ahammed Rakib (North South University), Jannatul Mawa (North South University), Md. Yousuf Rahman (North South University), Mr. Abu Obaidah (North South University)	ACCEPT	YES	Bangladesh

181	419	Battery Parameter Extraction and Real-Time State of Charge Estimation	Brian Castillo (California State University, Los Angeles)*; Masood Shahverdi (California State University, Los Angeles)	ACCEPT	YES	USA
182	421	Study on Numerical Calculation of Crosstalk in Multiwire Transmission Lines	Novella Rahayu (Institut Teknologi Bandung), Zulfi (Institut Teknologi Bandung), Achmad Munir (Institut Teknologi Bandung)	ACCEPT	YES	Indonesia
183	422	Compact Asymmetric-Slit Aperture Coupled Square Patch Antenna for V2X Communications	Mochamad Ananda Mario (UIN Sunan Gunung Djati), Muhammad Farhan Maulana (Universitas Sangga Buana), Budi Syihabuddin (Institut Teknologi Bandung), Nanang Ismail (UIN Sunan Gunung Djati), Mohammad Ridwan Effendi (Institut Teknologi Bandung), Achmad Munir (Institut Teknologi Bandung)	ACCEPT	YES	Indonesia
184	423	Remote Monitoring and Control of Distributed Energy Resources via 5G	Rezeq Direya (E.ON ERC - RWTH Aachen University), Ville Ollikainen (VTT Technical Research Centre of Finland), Ferdinanda Ponci (E.ON ERC - RWTH Aachen University), Antonello Monti (E.ON ERC - RWTH Aachen University)	ACCEPT	YES	Germany
185	424	Prototype Validation for Mobile Green Hydrogen Refueling Station Using Hardware-in-the-Loop	Andrés Felipe Sánchez Prisco (Universidad de Antioquia), John Anderson Gómez Múnera (Universidad de Antioquia), Juan Bernardo Cano Quintero (Universidad de Antioquia), Jaime A. Valencia V. (Universidad de Antioquia), Steven García Aristizábal (Universidad de Antioquia), Esteban Vellla Hernández (Universidad de Antioquia)	ACCEPT	YES	Colombia
186	425	Optimization Strategy for Flexible Operation of Integrated Multi-Energy Industrial Clusters	Iza Rian Zuijdenwijk (Delft University of Technology), José Luis Rueda Torres (Delft University of Technology), Peter Palensky (Delft University of Technology)	ACCEPT	YES	Netherlands
187	426	LPWAN Technologies Range Evaluation: LoRaWAN, NB-IoT, Sigfox, and LTE-M in Urban and Free-field Settings	Simeon Trendov (Anhalt University of Applied Sciences), Eduard Sarliev (Anhalt University of Applied Sciences), Khalid Bsheer Suliman Mukhtar (Anhalt University of Applied Sciences), Dmitry Kachan (Anhalt University of Applied Sciences), Eduard Siemens (Anhalt University of Applied Sciences)	ACCEPT	YES	Germany
188	427	Techno-Economic Feasibility and Optimization of Hybrid Solar-Wind-Biomass Energy Systems in Rural Timor-Leste: A Case Study of Liquiça Municipality	Geovania Garret Mouzinho Freitas (Sophia Uni.), Joao Victor Pinon Pereira Dias (Sophia Uni.), Masafumi Miyatake (Sophia Uni.), Jane Wambui Chege (Uni. of the Ryukyus)	ACCEPT	YES	Japan
189	430	Analytical and Simulation Comparisons of CLLC and DAB Bidirectional Converter Topologies	Abdulsamet Paltaci (Assan Elektronik), Samet Yağın (Isparta University of Applied Sciences)	ACCEPT	YES	Turkiye
190	433	Effect of temperature on EV charging under Time of Use pricing	Md. Ashkur Rahman (North South University), A S M Jahid Hasan (North South University), Jubair Yusuf (University of California), Md Shazid Islam (University of California), Md Saydur Rahman (University of California), Md Saiful Islam Sajol (Louisiana State University)	ACCEPT	YES	USA
191	435	Impact of Transformer Configuration on Cost, Efficiency, and Space Utilization: A Case Study	Kamran Dawood (Astor Enerji), Furkan Gezer (Astor Enerji), Güven Kömürçöz (Istanbul Technical University), Semih Tursun (Astor Enerji)	ACCEPT	YES	Turkiye
192	436	A Secure and Scalable Architecture for Virtual Power Plants Inspired by VPN Principles	Mahmood Sawlam (University of Glasgow), Burak Kizlikaya (University of Glasgow), David Flynn (University of Glasgow), Ahmad Taha (University of Glasgow), Muhammad Imran (University of Glasgow), Shuja Ansari (University of Glasgow)	ACCEPT	YES	UK
193	437	FPGA-in-the-Loop test of DPC based on PI Controller of Doubly-Fed Induction Generator	Mourad Yessaf (Sidi Mohamed Ben Abdellah University), Yassine Seghrouchni (Sidi Mohamed Ben Abdellah University), Hatim Ameziane (Sultan Moulay Slimane University), Badre Bossoufi (Sidi Mohamed Ben Abdellah University), Ahmed Lagrioui (Moulay Ismail University)	ACCEPT	YES	Morocco
194	438	Uplink Sensing and Localization in RIS-Assisted MISO-OFDM Systems via Newton-Refined MLE Estimation	Ural Mutlu (Niğde Ömer Halisdemir University)*; Yasin KABALCI (Niğde Ömer Halisdemir University)	ACCEPT	YES	Turkiye
195	439	Processor-in-the-Loop Validation Using STM32F4 of PI Controller-Based DPC of Wind Energy Conversion Systems	Mourad Yessaf (Sidi Mohamed Ben Abdellah University), Yassine Seghrouchni (Sidi Mohamed Ben Abdellah University), Hatim Ameziane (Sultan Moulay Slimane University), Badre Bossoufi (Sidi Mohamed Ben Abdellah University), Ahmed Lagrioui (Moulay Ismail University)	ACCEPT	YES	Morocco
196	440	Improved PID Controller using Archimedes' Optimization Algorithm to Control an Electric Wheelchair	Mohamed Kmich (Sidi Mohamed Ben Abdellah University), Hicham Karmouri (Cadi Ayyad University), Mhamed Sayyouri (Sidi Mohamed Ben Abdellah University)	ACCEPT	YES	Morocco
197	441	Influence of Longitudinal Driving Dynamics on Powertrain Efficiency and Vehicle Energy Consumption: Comparing EV and ICEV Technologies	Nicola Campagna (University of Palermo), Massimo Caruso (University of Palermo), Rosario Miceli (University of Palermo)	ACCEPT	YES	Italy
198	442	A cost-effective approach for reliable operation of sustainable industrial multi-energy systems	Coen Tonnaer (Delft University of Technology), Camila Castrillon-Franco (Delft University of Technology), Jose Luis Rueda-Torres (Delft University of Technology), Jonathan Aviles-Cedeno (Delft University of Technology), Peter Palensky (Delft University of Technology)	ACCEPT	YES	Netherlands