

**2022 IEEE Global Conference on Computing, Power and Communication Technologies**  
**IEEE IAS GLOBCONPT 2022**

**100% Financial Sponsorship of IEEE Industry Applications Society USA**

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**Program Schedule**

**Day I: 23.09.2022**

**Opening and Award Session: 10.00 AM to 12.00 Noon**

**Silver Oak, India Habitat Centre**

**Chief Guest & Guest of Honours:**

1. **Minister Govt. of India Chief Guest\***
2. Dr. Arun Kumar Tripathi, Advisor to Ministry of New and Renewable Energy, Govt. of India.
3. Prof. Sri Niwas Singh Director, Atal Bihari Vajpayee- Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior, India.
4. Prof. Bhim Singh SERB National Science Chair & Emeritus Professor, Indian Institute of Technology Delhi New Delhi, India.
5. Prof. Saad Mekhilef, Distinguished Professor at the School of Science, Computing and Engineering Technologies, Swinburne University of Technology, Australia.
6. Prof. Akshay Rathore, Professor, Singapore Institute of Technology (SIT), Singapore and Awards Department Chair at the IEEE Industry Applications Society USA.
7. Dr. Abdulla Rasheed Ahmed, Minister of State for Education, Maldives

**Special Invitees:**

1. Prof. V. K. Jain Vice Chancellor Tezpur University.
2. Prof. P. Subrahmanya Yadapadithaya, Vice Chancellor, Mangalore University
3. Prof. Tankeshwar Kumar Vice-Chancellor Central University of Haryana
4. Prof. Prabha Shankar Shukla, Vice-Chancellor, North Eastern Hill University
5. Prof. Rajesh Singh Vice-Chancellor Deen Dayal Upadhyaya Gorakhpur University
6. Prof. K. N. Madhusoodanan Vice-Chancellor, Cochin University of Science and Technology
7. Prof. Saikat Maitra ,Vice Chancellor, Maulana Abul Kalam Azad University of Technology
8. Prof. Mahua Das Vice-Chancellor, West Bengal State University
9. Prof. Ajanta Borgohain Rajkonwar Vice Chancellor, Assam Women's University
10. Prof Rajbir Singh, Vice-Chancellor, Maharshi Dayanand University
11. Prof. Ashis Sharma, Vice Chancellor, Khangchendzonga State University, Sikkim
12. Prof. Paramjit S. Jaswal, Vice-Chancellor, SRM University Delhi-NCR
13. Prof. Akhilesh Kumar Vice-Chancellor Al-Karim University, Katihar
14. Prof. I K Bhat Vice Chancellor - Manav Rachna University
15. Prof. Dhruvajyoti Chattopadhyay Vice Chancellor, Sister Nivedita University
16. Prof Kuldeep K Raina, Vice Chancellor, MS Ramaiah University of Applied Sciences
17. Prof. Nupur Prakash Vice Chancellor, the NorthCap University
18. Prof. Deependra Kumar Jha Vice Chancellor, Adamas University
19. Prof. A K S Suryavanshi Vice Chancellor, Karnavati University
20. Prof. Prabhat Ranjan Vice Chancellor, D. Y. Patil International University
21. Prof. Padmakali Banerjee Vice Chancellor & President SPSU University
22. Prof. Raman Kr. Jha, Vice Chancellor, Amity University Jharkhand
23. Prof. S.S.Teotia Vice Chancellor NIILM University
24. Prof. Ranjit Singh Vice Chancellor, Shobhit University
25. Prof. K P Yadav Vice Chancellor MATS University
26. Prof. K.Prathapan Vice Chancellor DY Patil Agriculture and Technical University
27. Prof. P.R. Sodani President IIHMR University, Jaipur
28. Prof. Dagannath Patnaik Vice Chancellor ICFAI University Sikkim
29. Maj Gen G.K.Thapliyal, Vice-Chancellor, Swami Vivekanand Subharti University
30. Prof. P.Shyam Prasad, Vice-Chancellor, Dr.NTR University of Health Sciences
31. Brig (Dr) Bharat Singh Rawat Vice-Chancellor Mandsaur University
32. Prof. Ravindra Kumar Sinha Vice Chancellor Shri Mata Vaishno Devi University
33. Prof. Raghuvir Singh, Vice Chancellor TMU
34. Prof G. Raghurama, Vice Chancellor DIT University Dehradun

**Keynote Session I: 12.00 Noon to 12.40 PM****Silver Oak, India Habitat Centre**

Title: The role of power electronics in decarbonization our energy supply

BY

Prof. Saad Mekhilef, Distinguished Professor at the School of Science, Computing and Engineering Technologies, Swinburne University of Technology, Australia.

**Keynote Session II: 12.40 PM to 1.20PM****Silver Oak, India Habitat Centre**

Title: Scenario of Battery and Hydrogen Electric Vehicles in India

BY

Prof. Akshay Rathore, Professor, Singapore Institute of Technology (SIT), Singapore and Awards Department Chair at the IEEE Industry Applications Society USA.

**Lunch: 1. 20 PM to 2.00 PM Venue: Silver Oak, India Habitat Centre****Technical Session I: 2.00 PM to 3.30 PM**

FD1: Venue Jacaranda-1, India Habitat Centre

FD2: Venue Jacaranda-2, India Habitat Centre

FD3: Venue Mahogany, India Habitat Centre

FD4: Venue Maple, India Habitat Centre

**Technical Session II: 3.30 PM to 5.00 PM**

FD5: Venue Jacaranda-1, India Habitat Centre

FD6: Venue Jacaranda-2, India Habitat Centre

FD7: Venue Mahogany, India Habitat Centre

FD8: Venue Maple, India Habitat Centre

**MATLAB workshop Session I: 2. 00 PM to 3.00 PM****Silver Oak, India Habitat Centre**

Title: Designing End-to-End Communication Systems

**MATLAB workshop Session II: 3. 00 PM to 4.00 PM****Silver Oak, India Habitat Centre**

Title: Building Intelligent Systems using Data Analytics, Machine Learning, and Deep Learning

**Keynote Session III: 5.00 PM to 6.00 PM****WebEx**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mb8e7cf12c67f860cc70ffac96088ae72> Meeting number: 2535 038 7305 Password: rFckduuV757

Title: Ambient Intelligence By

Prof. Vincenzo Piuri, Professor, University of Milan; IEEE Region 8 Director-Elect 2021-22

**Day II: 24.09.2022****Keynote Session IV: 9.00 AM to 10.00 AM****WebEx**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m32499c4f2ef82be7dd47b789b1abae12> Meeting number: 2538 044 7195 Password: tsV89wah3EZ

Title: Develop a New Generation of Battery Management Systems for the Future Solid-State Lithium-ion Batteries BY

Prof. Chris Chunting Mi, Distinguished Professor & Chair, Electrical & Computer Engineering, San Diego State University

**Technical Session III: 10.00 AM to 1.00 PM**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m32499c4f2ef82be7dd47b789b1abae12> Meeting number: 2538 044 7195 Password: tsV89wah3EZ

SD1: WebEx

SD2: WebEx

SD3: WebEx

SD4: WebEx

SD5: WebEx

**Technical Session IV: 2. 00 PM to 5.00 PM**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m32499c4f2ef82be7dd47b789b1abae12> Meeting number: 2538 044 7195 Password: tsV89wah3EZ

SD6: WebEx

SD7: WebEx

SD8: WebEx

SD9: WebEx

SD10: WebEx

**Keynote Session V: 5.00 PM to 6.00 PM**  
**WebEx**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m32499c4f2ef82be7dd47b789b1abae12>

Meeting number: 2538 044 7195 Password: tsV89wah3EZ

Title: Computational Behaviour Analysis for User-centred Smart Cyber-Physical Systems By  
Prof Liming Luke Chen , Research Director for the School of Computing, Ulster University, England,

**Day III: 25.09.2022**

**Keynote Session VI: 9.00 AM to 10.00 AM**  
**WebEx**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mf8cc1c1ea9356796bad985747f6f74ad> Meeting number:  
2536 415 1446 Password: KhDNZEUU366

Title: Modern Power system fault diagnosis with Analytical Models and Optimization-based Methods  
BY

Prof Fushuan Wen, IEEE Fellow, Zhejiang University, China

**Technical Session III: 10.00 AM to 1.00 PM**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mf8cc1c1ea9356796bad985747f6f74ad> Meeting number:  
2536 415 1446 Password: KhDNZEUU366

TD1: WebEx

TD2: WebEx

TD3: WebEx

TD4: WebEx

TD5: WebEx

**Technical Session IV: 2. 00 PM to 5.00 PM**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mf8cc1c1ea9356796bad985747f6f74ad> Meeting number:  
2536 415 1446 Password: KhDNZEUU366

TD6: WebEx

TD7: WebEx

TD8: WebEx

TD9: WebEx

TD10: WebEx

**Closing Session V: 5.00 PM to 6.00 PM**

**WebEx**

Link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mf8cc1c1ea9356796bad985747f6f74ad> Meeting number:  
2536 415 1446 Password: KhDNZEUU366

**IEEE IAS GlobConPT 2022- Technical Session Details**

**FD1-FD8: 23rd September 2022, SD1-SD10: 24th September 2022, TD1-TD10: 25th September 2022**

#	Paper Title	Primary Author	Track	Mode	ID
14	Resilient Operation of BESS in a Cooperative DC Microgrid under Data Manipulation Attacks	SATABDY JENA	Track 4: Power, Energy and Power Electronics	Virtual	SD1
19	Active Power Loss Diminution by Caulerpa Lentillifera Algorithm	Dr Lenin Kanagasabai	Track 3: Computational Intelligence	Virtual	SD4
28	Reduced Switch MLI Based Single Phase Induction Motor for Standalone Water Pump Application	Shubhajit Pal	Track 4: Power, Energy and Power Electronics	Virtual	SD1
54	Low Noise Amplifier for the Wearable IoT Sensing System	Mitradip Bhattacharjee	Track 8: RF Circuits, Systems and Antennas	Virtual	SD3
65	Islanding Detection and Resynchronization with Anti-Islanding in Distributed Generation	Aryaputra Animesh	Track 4: Power, Energy and Power Electronics	Virtual	SD1
84	Applied Single Image Super-Resolution for Aerial Imagery Enhancement	Aboli R Marathe	Track 8: RF Circuits, Systems and Antennas	Virtual	SD3
133	Quantum based Northern Rockhopper Penguin Optimization Algorithm for Power Loss Diminution	Dr Lenin Kanagasabai	Track 3: Computational Intelligence	Virtual	SD4
135	LTspice Simulation Analysis for Loss Estimation of GaN MOSFET based Class E Resonant Inverter	Dr. KUNDAN KUMAR	Track 4: Power, Energy and Power Electronics	Virtual	SD1

172	Brain Tumour diagnosis and classification based on AutoML and traditional techniques	Sindhu Menon	Track 2: Computing	Physical	FD3
181	A Novel Feeding Technique for Gap Coupled Suspended UWB Microstrip Antennas	Pradeep Reddy	Track 8: RF Circuits, Systems and Antennas	Virtual	SD3
182	Scalability in Blockchain – Hyperledger Fabric and Hierarchical Model	Lipsa Sadath	Track 3: Computational Intelligence	Virtual	SD4
187	A Multi-Functional, 3P4W Utility Integrated Single- Stage Distributed Generating System With DROGI Based Control Approach	Ritesh Gupta	Track 4: Power, Energy and Power Electronics	Virtual	SD1
189	Accurate compensation of heavily saturated and distorted Current Transformer output using Unscented Kalman Filter Algorithm	ANJU THOMAS	Track 4: Power, Energy and Power Electronics	Virtual	SD1
191	Grid Forming Converter Having Power Sharing and Synchronization Capability With DFIG Based WECS	Shalvi Tyagi	Track 4: Power, Energy and Power Electronics	Virtual	SD2
193	POWER FACTOR IMPROVEMENT IN A DISTRIBUTION SYSTEM BY IMPLEMENTING ADAPTIVE CONTROL FOR REACTIVE POWER FILTERS	Manuel Dario Jaramillo	Track 4: Power, Energy and Power Electronics	Virtual	SD2
197	Peak Shaving and Duck Curve Mitigation With BES Based Ramp Rate Limit Strategy and MATOIGI Control for Improving PQ of SPV-BES Microgrid	Subhadip Chakraborty	Track 4: Power, Energy and Power Electronics	Virtual	SD2
198	Robust Control for Rooftop Solar PV-BES Microgrid and its Seamless Grid Synchronization	ANKIT KUMAR	Track 4: Power, Energy and Power Electronics	Virtual	SD2
201	Safe Routes Recommendation for Drivers by Real-Time Prediction of Accident Risk Scores	Akshat Bhat	Track 2: Computing	Virtual	SD4
203	Power Management in a PV Integrated Electric Vehicle Charging System	Anindya Bharatee	Track 4: Power, Energy and Power Electronics	Virtual	SD2
208	Parametric Output Function based Path Following Controller For Nonholonomic Robotic Systems	Suman Mondal	Track 6: Robotics, Control, Instrumentation and Automation	Virtual	SD2
209	Design, Development and Testing of a Support Vector Machine based relay for Islanding Detection	Meera A	Track 3: Computational Intelligence	Virtual	SD4
210	Virtual Intelligent Assistant: A Support for Elderly People	Sameena Naaz	Track 6: Robotics, Control, Instrumentation and Automation	Virtual	SD5
212	Green Energy Based Multipurpose EVs Charging Station with Flexible DC Charging Functionality for Residential/Commercial Building Applications	Kumar Manas	Track 4: Power, Energy and Power Electronics	Virtual	SD5
216	Investigation of Oscillatory Mode Damping Following the Displacement of Synchronous Generators in Power Grids	Thomas Philpott	Track 4: Power, Energy and Power Electronics	Virtual	SD5
218	A Novel Secondary based Control Scheme for Voltage and Frequency in an Autonomous Microgrid	Uzair Malik	Track 4: Power, Energy and Power Electronics	Virtual	SD5
220	Comparative Fault Ride Through Assessment between Grid-following and Grid-forming Control for Weak Grids Integration	Minyang Wang	Track 4: Power, Energy and Power Electronics	Virtual	SD5

221	A Reduced Switch High Step Down Gain Bridgeless Coupled Switched Inductor SEPIC HPF AC-DC Converter for LVEVs Charging Applications	Aswin Dilip Kumar	Track 4: Power, Energy and Power Electronics	Virtual	SD5
223	Adaptive Virtual Impedance Droop Control for AC Microgrid Based on Voltage and Current Deviations	Rohit Nandi	Track 4: Power, Energy and Power Electronics	Physical	FD4
226	An Enhanced Soft Charging Switched-Capacitor Multi-Level Inverter for HFAC applications	Patriot SHER Dash	Track 4: Power, Energy and Power Electronics	Virtual	SD6
227	Improved Adaptive GI Based Multimode Operational Control of Weak Grid Connected Single Stage SPV-BES-BDDC System	Dhairya Dave	Track 4: Power, Energy and Power Electronics	Virtual	SD6
229	Robust Nonadaptive Three-Phase Quasi-Type-I PLL Approach under Distorted Grid Voltage Conditions	Anant Kumar Verma	Track 4: Power, Energy and Power Electronics	Physical	FD4
233	Forecasting GDP of India and its neighbouring countries using Time Series	Sunil Kumar Singh	Track 3: Computational Intelligence	Virtual	SD4
234	A Deep Learning approach to estimate Air Pollutants concentration levels in Delhi's Aerosphere	Sunil Kumar Singh	Track 3: Computational Intelligence	Virtual	SD4
238	Novel Hierarchical Control Strategy for AC Isolated Microgrid System	Wilson Pavon	Track 4: Power, Energy and Power Electronics	Virtual	SD6
239	Data Analysis of Non Fungible Tokens (NFTs) Pricing using Brokerage Firm data	Priyanka Kumar	Track 1: Data Science & Engineering	Virtual	SD10
240	Real-Time Simulation Models for Power Electronic Converters	Nitheesh R	Track 4: Power, Energy and Power Electronics	Virtual	SD6
242	ADMM-based Optimal Energy Flow of Unbalance Distribution Networks Integrated with Natural Gas Distribution Systems	Abhimanyu Sharma	Track 3: Computational Intelligence	Physical	FD1
243	FLOOD MAPPING OF AMPHAN DISASTER USING SENTINEL-1 IMAGES	Prachi Kaushik	Track 3: Computational Intelligence	Virtual	SD10
246	Minimization of Active Power Losses in a Multi-Terminal HVDC Grid: Alternative Approach Using Meta-Heuristics Algorithms	Carlos Barrera-Singaña	Track 4: Power, Energy and Power Electronics	Virtual	SD6
247	Resource Allocation in Edge Computing: A Game-Theoretic Perspective	Sumit Kumar	Track 2: Computing	Virtual	SD10
254	Automated Classification of CTG signals using Deep Learning based Scalogram Analysis	Kanchana Devanathan	Track 3: Computational Intelligence	Virtual	SD10
259	Air Quality Forecasting Using Deep Learning and Transfer Learning: A survey	Junzi Yang	Track 3: Computational Intelligence	Virtual	SD10
261	Impedance Based Differential Protection for Zonal DC Microgrid	kesava gade rao	Track 4: Power, Energy and Power Electronics	Virtual	SD6
265	Performance Evaluation of Power Quality in Shipboard Microgrid under Different Working Conditions	Purusharth Semwal	Track 4: Power, Energy and Power Electronics	Virtual	SD7
266	Model Predictive Control for Magnetic Linked Multiport Converter	MD ASHIB RAHMAN	Track 4: Power, Energy and Power Electronics	Virtual	SD7
267	Electromagnetic Characterization of Multi-winding High Frequency Magnetic Link Under Non-sinusoidal Excitations	Mahbubur Rahman Mr Kiran	Track 4: Power, Energy and Power Electronics	Virtual	SD7
269	Open-Switch Fault Detection and Classification in Five-Level Neutral-	Vikram Singh	Track 4: Power, Energy and Power Electronics	Virtual	SD7



	Point-Clamped Inverter by Using Fuzzy Interface System				
271	A Switched-Capacitor 11-Level Quintuple-Boost Inverter With Self Voltage Balancing Capability	AJIT KUMAR UPADHIYA	Track 4: Power, Energy and Power Electronics	Virtual	SD7
274	A Novel Ant Lion Optimization Algorithm for Planning and Operation of Local Energy System having Combined Heat and Power and Lithium Ion Battery Energy Storage	Sanchari Deb	Track 4: Power, Energy and Power Electronics	Virtual	SD7
275	Cross Layer Approach for Analysing the Performance of Mobile Ad hoc Networks	Nishitha T	Track 7: Communication & Networking	Virtual	SD3
285	Control of Three-Phase Parallel Inverters Based Solar PV-BES Microgrid	Abhishek Abhinav Nanda	Track 4: Power, Energy and Power Electronics	Virtual	SD8
287	A unified control strategy for improved performance of Totem-Pole Power Factor Correction Boost Converter	Kumaresan N.	Track 4: Power, Energy and Power Electronics	Virtual	SD8
290	Solar Powered Electric Drive-Train With Integrated Bidirectional DC/V2V Fast Charger Incorporating Switched Reluctance Motor	Vaibhav Shah	Track 4: Power, Energy and Power Electronics	Physical	FD4
293	Control of BES-Wind Driven DFIG based Microgrid with Synchronization to Grid using IFxLMK Algorithm	SANDEEP KUMAR SAHOO	Track 5. Renewable Energy technologies including hydrogen	Virtual	SD8
294	Identification of Sphere of Influence of single and multiple DG Units through Visualisation in Distribution Networks	Yasmin Nigar Abdul Rasheed	Track 7: Communication & Networking	Virtual	SD3
295	Finite State Model Predictive Thrust Control Based on Reduced Number of Predicted Voltage Vectors for Linear Induction Motor	Mahmoud F. Elmorshedy	Track 4: Power, Energy and Power Electronics	Virtual	SD8
297	Fault Ride-Through of Multiple Microgrid Clusters Based on Solid-State Transformers with Adaptive Current-Limiting Function	Lei Chen	Track 4: Power, Energy and Power Electronics	Virtual	SD8
298	Comparative Analysis of Matching Networks for Low Noise Amplifier Design using ASM GaN HEMT for Ka Band	Deergha Agarwal	Track 7: Communication & Networking	Physical	FD2
299	Intelligent Fault Classification of Motor Bearing by using Support Vector Machine	sujit kumar	Track 1: Data Science & Engineering	Virtual	SD10
302	Suspended Multiband Quasi-Yagi Antenna with Capacitive Feed for WLAN Applications	Sarala Shirabadagi	Track 7: Communication & Networking	Virtual	SD3
303	An Advanced Control Architecture of Three-phase Bidirectional Buck AC Voltage Controller	Mohammad Faisal	Track 4: Power, Energy and Power Electronics	Virtual	SD8
306	An AI based Formulated Feedback-System for interpreting conclusive Emotions for a group of people	ANKITA DIXIT	Track 3: Computational Intelligence	Physical	FD1
315	Design of an Isolated Gate Driver for Medium Voltage Cascaded H-Bridge (CHB) Based Solid State Transformer (SST)	Surja Sekhar Chakraborty	Track 4: Power, Energy and Power Electronics	Virtual	TD1
317	Design of High Frequency Transformer for a Dual Active Bridge (DAB) Converter	SHUVANKAR DEY	Track 4: Power, Energy and Power Electronics	Virtual	TD1

325	Pulse Splitting cum Width Control for Transient Handling in LLC Resonant Converter	Prajeet Shukla	Track 4: Power, Energy and Power Electronics	Virtual	TD1
326	Performance Analysis of Non-Ideal DC-DC Positive Output Elementary Super-lift Luo Converter	Ritambhara Katoch	Track 4: Power, Energy and Power Electronics	Physical	FD4
327	S-SEJAD through Steganography	Ahmed El Emine SEJAD	Track 7: Communication & Networking	Virtual	SD9
328	Artificial neural networks as a methodology for optimal location of static synchronous series compensator in transmission systems	Manuel Dario Jaramillo	Track 1: Data Science & Engineering	Virtual	SD10
329	Selection of Data Preprocessing techniques and its emergence towards Machine Learning Algorithms using HPI Dataset	Ghanta Sai Krishna	Track 1: Data Science & Engineering	Virtual	TD9
331	An Efficient Method to Localize and Quantify Axial Displacement in Transformer Winding Using Support Vector Machines	Parvathy Saji	Track 1: Data Science & Engineering	Virtual	TD9
333	Smooth Transition of a Grid Connected PV System to Standalone operation	vandana jain	Track 4: Power, Energy and Power Electronics	Physical	FD4
336	Recognition of Fricative Phoneme based Hindi Words in Speech-to-Text System using Wav2Vec2.0 Model	Spoorthy V	Track 7: Communication & Networking	Virtual	TD4
338	Analysis of Type-2 Fuzzy $\lambda D\mu$ -P Controller for LFC with Communication Delay	Pulakraj Aryan	Track 1: Data Science & Engineering	Virtual	TD9
339	Semi-Active Control of Structures with Magnetorheological Fluid Dampers	Sumathi P	Track 8: RF Circuits, Systems and Antennas	Virtual	TD4
341	An Object Detection Framework with Modified YOLOv3 for Camera Based Perception Systems	Sumathi P	Track 1: Data Science & Engineering	Physical	FD1
343	Experimental Study of Fault Impact on Grid Connected DFIG Driven Wind Turbine	sonam gupta	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD1
345	An Educational Data Mining Model based on Auto Machine Learning and Interpretable Machine Learning	Gabriel Novillo Rangone	Track 1: Data Science & Engineering	Virtual	TD9
346	Optimal Control Path for Dual Active Bridge based Solid-State Transformer	karthik singh parihar	Track 4: Power, Energy and Power Electronics	Physical	FD4
348	Single-Stage Isolated AC/AC Converter for Solid-State Transformer	Wajahat Khan	Track 4: Power, Energy and Power Electronics	Virtual	TD1
352	Vehicle-to-Grid Technology with Virtual Inertia Control for Enhanced Frequency Regulation in Smart Grid	ABHISHEK SAXENA	Track 4: Power, Energy and Power Electronics	Virtual	TD1
353	Single-phase Inverter with Common Ground and Voltage Boost Operation	Ajay Kumar Sahu	Track 4: Power, Energy and Power Electronics	Physical	FD5
354	A Robust Vision-based Lane Detection using RANSAC Algorithm	Sumathi P	Track 1: Data Science & Engineering	Physical	FD1
355	A New Symmetrical Multilevel Inverter with Reduced Components Using Carrier Based PWM Technique	Amrita Singh	Track 4: Power, Energy and Power Electronics	Virtual	TD2
357	Exploration of EV Fleet role in Frequency Regulation using an Aggregate Model including Communication Delay	Sariki Murali	Track 7: Communication & Networking	Virtual	TD4

358	MeDiFakeD: Medical Deepfake Detection using Convolutional Reservoir Networks	Sanjeev Singh	Track 7: Communication & Networking	Physical	FD2
360	An improved hybrid global maximum power point tracking approach for PV systems based on partial shading detection	karam khairullah	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD2
361	Hybrid Sensor Fault Tolerant Control of Low Voltage DC Microgrid	Sankarsan Mohapatro	Track 4: Power, Energy and Power Electronics	Virtual	TD2
363	Indian peak power demand forecasting : Transformer based implementation of temporal architecture	Vishvadiya Luhach	Track 4: Power, Energy and Power Electronics	Virtual	TD2
367	An Alternating Direction Method of Multipliers (ADMM) Based Optimal Electric Vehicle Fleets Charging In Active Electric Distribution Network	Sukumar Kamalasan	Track 4: Power, Energy and Power Electronics	Virtual	TD2
369	An IoT-based Multifunctional Fire Extinguishing Robot for Industrial & Residential Safety	Aparna Das Pias	Track 6: Robotics, Control, Instrumentation and Automation	Virtual	TD2
371	An Optimized Hybrid approach to Detect Cataract	Urmila Pilania	Track 3: Computational Intelligence	Physical	FD1
372	Model Reference Adaptive System Based Sensorless Vector Control of Induction Motor Using Fuzzy PID Controller	Abhinandan Routray	Track 4: Power, Energy and Power Electronics	Virtual	TD3
383	Machine Learning based Detection and Classification of Power Quality Disturbances in Smart Grid System	AMIT KUMAR THAKUR	Track 4: Power, Energy and Power Electronics	Virtual	TD3
403	HARMONIC ESTIMATION OF PV-INTEGRATED MICROGRID USING KALMAN FILTER	Pravati K Nayak	Track 4: Power, Energy and Power Electronics	Virtual	TD3
405	A Novel Software Architecture of Self-Managed, Reusable, Interoperable IoT Asset Whitelisting and Trust Management	Hiren Dutta	Track 10. Industry 4.0	Virtual	TD9
408	Multi-Objective Butterfly Optimization for Feature and classifier parameter's selection in Diagnosis of Heart Failure types Using CMR images	Muthulakshmi M	Track 3: Computational Intelligence	Physical	FD1
421	Optical coherence tomography classification through Deep Learning	Rishabh Shukla	Track 2: Computing	Physical	FD3
425	PERFORMANCE ANALYSIS OF SWITCHED-INDUCTOR ACTIVE SWITCHED BOOST INVERTER	Vadthya Jagan	Track 4: Power, Energy and Power Electronics	Virtual	TD3
426	Determination of Measurement based Load Model of Air Conditioners	AMIT KUMAR THAKUR	Track 4: Power, Energy and Power Electronics	Virtual	TD3
428	A new Machine Learning based Approach for Power System State Forecasting	AMIT KUMAR THAKUR	Track 4: Power, Energy and Power Electronics	Virtual	TD3
429	Performance Enhancement and Comparative analysis for Credit Approval Using XGBoost, SVM and Multi-Layer Perceptron	Paul J Maddala	Track 1: Data Science & Engineering	Virtual	TD9
431	Modelling and Experimental Assessment of High-Frequency Oscillation in DC Microgrid	Rakibuzzaman Shah	Track 4: Power, Energy and Power Electronics	Virtual	TD5
432	A novel high-impedance fault recognition method for Multi-terminal HVDC system	QING HUAI	Track 4: Power, Energy and Power Electronics	Virtual	TD5
433	Downlink Performance Analysis of 5G PD-NOMA System	Parameswaran Ramesh	Track 9. 5G Technology	Virtual	TD4
434	A COMPARITIVE ANALYSIS OF RADIO FREQUENCY BAND PASS	Cheena Singhal	Track 7: Communication & Networking	Virtual	TD4



	FILTERS FOR WIRELESS COMMUNICATION APPLICATION				
435	Modified Protection Algorithm for Shunt Compensated Doubly-fed Line against Phase-to-ground Fault	Abhishri Jani	Track 7: Communication & Networking	Virtual	TD4
436	Risk and Resiliency Assessments of Renewable Dominated Edge of Grid Under High-Impact Low-Probability Events —A Review	Rakibuzzaman Shah	Track 4: Power, Energy and Power Electronics	Virtual	TD5
441	Data-centric Cyber-attack Detection in Community Microgrids Using ML Techniques	Rohit Trivedi	Track 7: Communication & Networking	Virtual	SD3
444	Coupled Inductor Based Soft-Switched Ultra High-Gain Converter with Voltage Quadrupler cell	Manikant Kumar	Track 4: Power, Energy and Power Electronics	Physical	FD5
447	Power Quality Enhancement of Smart Reconfigurable Grids by Integrating Renewable Energy Sources	Khalil Gholami	Track 4: Power, Energy and Power Electronics	Virtual	TD5
448	Physical Design Flow Considerations for Medical Applications Systems	Misael Yerena	Track 1: Data Science & Engineering	Physical	FD3
450	Ethereum Blockchain Based Logistics Application for Smart Supply Chain Management	Tejdeep Sai Iddum	Track 7: Communication & Networking	Physical	FD2
452	Design and Performance Analysis of A Novel Fuzzy Logic Based Fast Converging MPPT Algorithm for Solar Panel	Kazi Samira S Huq	Track 4: Power, Energy and Power Electronics	Virtual	TD5
454	An Enhanced Electric Vehicle with modified Predictive Direct Torque Control of Open Winding Permanent Magnet Synchronous Motor Drive	Ravi Eswar K.M	Track 4: Power, Energy and Power Electronics	Virtual	TD5
456	Agriphotovoltaic System to Improve Land Productivity and Revenue of Farmer	Nimay Chandra Giri	Track 6: Robotics, Control, Instrumentation and Automation	Virtual	TD6
458	Multi-Bias and Nonlinear Distortion Analysis for GaAs Nano-HEMT: Performance Projection	Jannatul Naima	Track 8: RF Circuits, Systems and Antennas	Virtual	SD9
459	Prediction Of Heart Disease using Dense Neural Network	akansha singh	Track 3: Computational Intelligence	Virtual	TD9
461	Forecast of Solar Photovoltaic Power Output Based on Polycrystalline Panel-based Employing Various Ensemble Machine Learning Methods	Shameem Ahmad	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD6
462	Prediction of Solar Photovoltaic Energy Output Based on Thin-Film Technology Utilizing Various Machine Learning Techniques	Shameem Ahmad	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD6
466	Towards A Maximum Efficiency Search for Wireless Power Transfer in Electric Vehicles (EVs): A Computer Simulation Study	DR. TUSHAR KANTI BERA	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD6
469	A Single-Phase Low Cost, Compact/High Power Density Portable EV Charger for High Voltage EV Battery Packs with Weak/Strong Grid Operation Capability	Saran Chaurasiya	Track 4: Power, Energy and Power Electronics	Physical	FD5
471	Differential protection of microgrid based on rate of change of apparent power	Ranjan Kumar Mallick	Track 4: Power, Energy and Power Electronics	Virtual	TD6
476	Robust MTPA based IPMSM Drive with Reduced Sensor for EV Application	MANAS RANJAN JENA	Track 4: Power, Energy and Power Electronics	Virtual	TD6

479	Maximum boost control technique to remove 6th frequency component from three phase Impedance source Inverter	Santosh Sonar	Track 4: Power, Energy and Power Electronics	Physical	FD6
481	Self-Balanced Switched Capacitor Based 7-Level Multilevel Inverter with Triple Voltage Gain and Reduced Switching Components	Zeeshan Sarwer	Track 4: Power, Energy and Power Electronics	Virtual	TD7
482	MR-MEET: Mixed Reality Collaborative Interface for HMD and Handheld Users	Shafina Abd Karim Ishigaki	Track 3: Computational Intelligence	Virtual	TD10
495	Techno-commercial Analysis of Optical Disaggregation	Girish Jere	Track 1: Data Science & Engineering	Virtual	TD10
502	Analysis and Modeling of DC power distribution for Platform Screen Door(PSD)	RAJNEESH .	Track 4: Power, Energy and Power Electronics	Physical	FD6
504	Multi/Swarm Drone surveillance and monitoring System using VR simulation	Sehaj Walia	Track 6: Robotics, Control, Instrumentation and Automation	Physical	FD6
505	Dual Input Common LLC-Resonant Tank based off-grid charger	Prajeet Shukla	Track 4: Power, Energy and Power Electronics	Virtual	TD7
508	Noise Detection Based Adaptive Control of Dual Staged Grid Interfaced PV System	PRAGNYASHREE RAY	Track 4: Power, Energy and Power Electronics	Virtual	TD7
510	Development of 6G web by Multilayer Perceptron in C-RAN for VANETs	Sasmita Padhy	Track 7: Communication & Networking	Virtual	SD9
511	Jaya Assisted Approximation of Sylvester Based Higher-Order MIMO Power System Model	Umesh Kumar Yadav	Track 4: Power, Energy and Power Electronics	Virtual	TD7
514	Cardiac Magnetic Resonance Imaging Segmentation using Ensemble of 2D and 3D Deep Residual U-Net	Kamal R Singh	Track 1: Data Science & Engineering	Physical	FD3
515	Model-Based Approach for On-Line Current Offset Compensation in SPMSM drive	Luigi Pio Di Noia	Track 1: Data Science & Engineering	Virtual	TD10
521	Implementation of secure communication system using chaotic masking	S Suchit	Track 7: Communication & Networking	Physical	FD6
522	Computational analysis of natural compounds as cyclin-dependent kinase-5 inhibitors for Alzheimer's and Parkinson's disease	Dia Advani	Track 3: Computational Intelligence	Virtual	TD10
526	Online Monitoring System for Pumped Hydro Storage Using RasPi Web Server	Syafii Syafii	Track 6: Robotics, Control, Instrumentation and Automation	Virtual	TD7
527	TIME DOMAIN ANALYSIS OF GRID SYNCHRONIZATION TECHNIQUES: A REVIEW	Ashutosh Chauhan	Track 4: Power, Energy and Power Electronics	Physical	FD6
532	Prepaid Electric Vehicle Charging System.	Jay Bhaskar Khardikar	Track 4: Power, Energy and Power Electronics	Virtual	TD7
533	Statistical and Spectral Signature of Historical Electrical Demand Data	Keerti Rawal	Track 4: Power, Energy and Power Electronics	Virtual	TD8
534	Medium Voltage Induction Motor Drive fed by Multi Pulse Converter and Asymmetric Multi Level Inverter with On-Line Angle Selection based Modulation	Rohit Kumar	Track 4: Power, Energy and Power Electronics	Physical	FD7
536	NiTiO3 Perovskite Nanoparticles for Highly Durable Hydrogen and Oxygen Evolution in Water Splitting	Suhriday Barman	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD8

539	Mitigating SIoT attacks in Smart Medical Systems: A Machine Learning based Approach	Ishita Singhal	Track 1: Data Science & Engineering	Virtual	TD10
541	A Meta-heuristic Optimization based approach for Residential Demand-side Management	Uttamarani Pati	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD8
543	Simulation of Parallel-Series Converter in Open Loop and Closed Loop for Wireless Power Transfer	Mayank Mr Arora	Track 4: Power, Energy and Power Electronics	Physical	FD7
544	Smart Charging for Electric Vehicles (EVs): A Short Review	DR. TUSHAR KANTI BERA	Track 4: Power, Energy and Power Electronics	Virtual	TD8
547	SoC-based Decentralized Power Management in Multi BESS-PV for EVs Charging Applications	Mohd Khalid	Track 4: Power, Energy and Power Electronics	Physical	FD7
548	Implementation Of Various Modulation Techniques to a PV Fed Solar Inverter With High Gain Dc- Dc Converter in Standalone Applications	G I Kishore	Track 4: Power, Energy and Power Electronics	Virtual	TD8
550	Detection of Cyber Attacks: XSS, SQLI, Phishing Attacks and Detecting Intrusion Using Machine Learning Algorithms	Saheb Singh Chandok	Track 1: Data Science & Engineering	Virtual	TD10
552	A Quadruple Gain Fault-Tolerant Nine Level Cascaded Inverter	Rajesh J	Track 4: Power, Energy and Power Electronics	Virtual	TD8
553	Optimal Allocation of Charging Station in Distribution system to minimize the system Loss considering Vehicle Uncertainties	Rupali Brahmachary	Track 4: Power, Energy and Power Electronics	Physical	FD7
554	Next Word Prediction Using Deep Learning	Aditya Tiwari	Track 2: Computing	Virtual	TD10
556	Robust Wide-Area Damping Controller for Inter-Area Oscillation with AC/DC Tie-Line	Kundan Kumar	Track 4: Power, Energy and Power Electronics	Virtual	SD1
558	Design of LLC Resonant Converter for High Efficiency EV Charging	Sourav U K	Track 4: Power, Energy and Power Electronics	Virtual	SD2
561	96-Pulse VSC Based Large-Scale Grid Interfaced Solar PV Plant with Distributed MPPT and DC-Coupled Battery Energy Storage	subir karmakar	Track 4: Power, Energy and Power Electronics	Physical	FD7
565	Face Recognition Based Student Attendance System	ASHWINI KUMAR	Track 3: Computational Intelligence	Virtual	TD10
566	Design of a Nonlinear Controller for Bidirectional DC-DC Converter in DC Micro-grids	Sandipan Patra	Track 4: Power, Energy and Power Electronics	Physical	FD7
569	Double Demodulation Type Open-Loop Synchronization Method for Single-Phase System	Anant Kumar Verma	Track 4: Power, Energy and Power Electronics	Physical	FD8
573	Integration of Photovoltaic with Series/Parallel Connection of Batteries using Modified Johnson Converter	Shubham Agrawal	Track 4: Power, Energy and Power Electronics	Virtual	SD5
574	Obstacle Free Robot Motion Planning and Intelligent Maneuvering Controller	Suman Mondal	Track 6: Robotics, Control, Instrumentation and Automation	Virtual	SD6
576	VOLTAGE QUALITY IMPROVEMENT IN ISLANDED AC MICROGRID USING VIRTUAL IMPEDANCE BASED DROOP CONTROL METHOD	HELEN MARIYAM ALEX	Track 4: Power, Energy and Power Electronics	Virtual	SD7
577	A High Power-Density Bidirectional Half-Bridge Solid-State Transformer Architecture	karthik singh parihar	Track 4: Power, Energy and Power Electronics	Physical	FD8

578	Addressing Parameter Variation Of PMSM Drive With Multi Network Policy Based Control For Electric Vehicle Application	Dr. Sukanta Halder	Track 4: Power, Energy and Power Electronics	Virtual	SD8
579	Enhanced DV-Hop Algorithm using modified mutation factor based Differential Evolution	Maheshwari Niranjana	Track 7: Communication & Networking	Virtual	SD9
580	Regression based Prediction of Rainfall for Energy management in a Rural Islanded Micro-Hydro Grid in Kerala	Abhishek Sai	Track 5. Renewable Energy technologies including hydrogen	Physical	FD8
581	Obstacle Detection and Collision Avoidance on UAV using Rangefinder Sensor with Kalman Filter Technique	SanjuKumar N T	Track 6: Robotics, Control, Instrumentation and Automation	Physical	FD8
582	Effectiveness of Network Centrality for Improving Distribution System Resilience by Hardening	Puspendu Ghosh	Track 4: Power, Energy and Power Electronics	Virtual	TD1
583	A high speed method for loss of excitation detection	Soumesh Chatterjee	Track 4: Power, Energy and Power Electronics	Physical	FD8
585	Efficient Energy Management System for Open-Winding Motor Drive for Electrical Vehicle With Hybrid Energy Storage Systems	Dr. Sukanta Halder	Track 4: Power, Energy and Power Electronics	Virtual	TD2
587	Mobile Robot Terrain Mapping for Path Planning using Karto Slam and Gmapping Technique	SanjuKumar N T	Track 6: Robotics, Control, Instrumentation and Automation	Physical	FD6
588	ANALYSIS OF SEISMIC DATA USING PARTITION-BASED CLUSTERING TECHNIQUES	Rohan Alom	Track 1: Data Science & Engineering	Virtual	TD9
589	Impact Analysis of CVR on Distribution System Protection Scheme	Udit Prasad	Track 1: Data Science & Engineering	Virtual	TD9
591	Bioinspired Flapping Foil With Trailing Edge Flap For Remotely Operated Vehicles (ROVs)	NAGA PRAVEEN BABU MANNAM	Track 6: Robotics, Control, Instrumentation and Automation	Physical	FD7
594	Power Management Strategies for Islanding and Grid-Connected DC Microgrid Systems with Multiple Renewable Energy Resources	SUMANT KUMAR DALAI	Track 4: Power, Energy and Power Electronics	Physical	FD5
595	Linear Voltage Amplifier for High Voltage Applications	G Nithin Reddy	Track 4: Power, Energy and Power Electronics	Virtual	TD3
596	Determination of ADAS AEB Car to Car and Car to Pedestrian Scenarios for Autonomous Vehicles	NAGA PRAVEEN BABU MANNAM	Track 4: Power, Energy and Power Electronics	Virtual	TD5
598	DSTATCOM with Gradient Compared p-norm Least Mean Square Algorithm and Estimated PI Gains	Jayadeep Srikakolapu	Track 4: Power, Energy and Power Electronics	Virtual	TD6
600	Optimization of DER Integrated Distribution System by Sequential Quadratic Programming (SQP)	Sukumar Kamalasan	Track 4: Power, Energy and Power Electronics	Virtual	SD6
602	Electro-Mechanical Mode Identification of a BESS Integrated Grid System Through Subspace Identification Method	Sukumar Kamalasan	Track 4: Power, Energy and Power Electronics	Virtual	SD5
603	A State-Space Based Analysis of Synchronous Condenser Inter-parametric Variations in Wind Integrated Weak Power Grid	Sukumar Kamalasan	Track 4: Power, Energy and Power Electronics	Virtual	SD2
605	Hybrid Intelligent Optimization Technique (HIOT) Driven FOPID	Deepak Kumar Gupta	Track 4: Power, Energy and Power Electronics	Virtual	SD1



	Controller for Load Frequency Control of Deregulated Power System				
606	Dipeptide Constituting Oppositely Charged Amino Acids as Molecular Rectifier	Gaurav Sikri	Track 5. Renewable Energy technologies including hydrogen	Physical	FD4
609	A Non-Isolated Integrated Single-Stage Single-Switch Rectifier System for LED Application	VINOD KUMAR Mr YADAV	Track 4: Power, Energy and Power Electronics	Virtual	TD7
611	Flat Field Coupler with Reduced Ferrite for Wireless Power Transfer System	Dr. M. Veerachary	Track 4: Power, Energy and Power Electronics	Physical	FD4
614	Design of grid connected roof-top solar PV with battery system in islanded and grid connected mode	Dr .	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD8
616	Asymmetrical PWM Switching Scheme of Switched-Capacitor Based Buck- Boost Converter for Source Current Ripple Minimization	Dr. M. Veerachary	Track 4: Power, Energy and Power Electronics	Physical	FD5
619	An Approach for Clustering and Classification of Alumni Employment Information	Shlok P Doshi	Track 1: Data Science & Engineering	Virtual	SD3
624	A Comparison Between Screen-Return and Trace-Return PCB Rogowski Coils for SiC Power Modules	Sambeet Panigrahi	Track 8: RF Circuits, Systems and Antennas	Virtual	SD9
625	Comparative analysis of different machine learning techniques for condition monitoring of capacitors in a SEPIC converter	Saravanakumar Rajendran	Track 4: Power, Energy and Power Electronics	Virtual	TD8
626	Fast Terminal Integral Synergetic Control for Variable Speed Wind Turbine	Saravanakumar Rajendran	Track 4: Power, Energy and Power Electronics	Virtual	TD7
627	Multiple Converter Based AC Microgrid for PEV and Local loads	Kripa Tiwari	Track 4: Power, Energy and Power Electronics	Physical	FD5
631	Operation of Multiple Renewable Sources Equipped Remote-Area Standalone AC/DC Microgrid With Smooth Interconnection Functionality	Souvik Das	Track 4: Power, Energy and Power Electronics	Virtual	TD8
632	A Grid Interfaced Multiple PV Arrays Based Three Phase Microgrid With Battery Energy Storage	Syed Bilal Qaiser Naqvi	Track 5. Renewable Energy technologies including hydrogen	Physical	FD5
633	Sensorless Control of Induction Motor using MSTOGI based Super Twisting Sliding Mode Flux Observer for Electric Vehicle	KOUSALYA V	Track 4: Power, Energy and Power Electronics	Virtual	TD7
635	Modeling and experimental setup for noise pollution energy converter	Kriti -	Track 4: Power, Energy and Power Electronics	Physical	FD5
636	Bridgeless Modified High-Step-Up Gain SEPIC PFC Converter based Charger for Light EVs Battery	Alakshyender Singh	Track 4: Power, Energy and Power Electronics	Virtual	TD6
638	Implementation Study of AES Standard for IoT Systems	Anshuman Vishwakarma	Track 8: RF Circuits, Systems and Antennas	Virtual	SD9
639	Modified MPC Approach to Single-Phase Two-Stage AC-DC Converter for Reduced DC-link Capacitance	Muhammad Zarkab Farooqi	Track 4: Power, Energy and Power Electronics	Physical	FD6
640	A Bidirectional Charging System for Electric Two-Wheelers and Three Wheelers	Jitendra Gupta	Track 4: Power, Energy and Power Electronics	Virtual	TD5
644	Enhancing Data Hiding Security Using Modified S-CCR	El Veth SIDI	Track 1: Data Science & Engineering	Virtual	TD10
645	A Bidirectional Battery Charger for a Wide Range of Electric Vehicles	Utsav Sharma	Track 4: Power, Energy and Power Electronics	Physical	FD6



649	Power Quality Improvement with Seven Level Packed-E Cell for Renewable Applications	SHIVAM KUMAR YADAV	Track 4: Power, Energy and Power Electronics	Physical	FD7
650	SOGI- $\alpha\beta$ CDSC Quasi Type-1 PLL Control for Seamless Transition Between Grid Connected and Autonomous Operating Modes of Microgrid	GAURAV MODI	Track 4: Power, Energy and Power Electronics	Virtual	TD3
658	Privacy preserving and performance improvement in edge computing using Machine learning	Navneet Pratap Singh	Track 3: Computational Intelligence	Physical	FD3
659	Analysis of Current in CCM-DCM Modes for Hybridization of Multiple Energy Sources for Electric Vehicles Charging	Dr. KUNDAN KUMAR	Track 4: Power, Energy and Power Electronics	Physical	FD8
664	Modeling of Secure Authentication Schemes in Cloud Computing based on Hybrid Data Classification	Suresh K	Track 3: Computational Intelligence	Physical	FD3
665	Common DC Bus Charging System for EVs with Solar, Wind, Battery and Fuel Cell Sources	PAVITRA SHUKL	Track 5. Renewable Energy technologies including hydrogen	Virtual	TD2
666	Two-Stage 3- $\Phi$ Utility Interfaced PV-BES with Synchronization Capability	Sunaina Singh	Track 4: Power, Energy and Power Electronics	Virtual	TD1
671	A Novel Proportional Integral Controller Based Passive Cell Balancing for Battery Management System	DR. TUSHAR KANTI BERA	Track 4: Power, Energy and Power Electronics	Virtual	SD8
672	Evolution of Efficient On-Chip Interconnect Architecture for SOC: A Review	Naman Batra	Track 8: RF Circuits, Systems and Antennas	Virtual	SD9
673	Design of Generic Debug Infrastructure of SoC	ADITYA KUMAR SHARMA	Track 8: RF Circuits, Systems and Antennas	Virtual	SD9
675	Stock Split Analysis And Market Value Predictions By Using Enhanced Long Short-Term Memory	Suresh K	Track 1: Data Science & Engineering	Virtual	SD4
677	Circular polarized quasi-self-complementary antenna for spectrum sensing and IoT	Madhuri Sahal	Track 8: RF Circuits, Systems and Antennas	Physical	FD2
682	IEEE Fault Detection and Classification in Solar Photovoltaic Array	SANJOY DAS	Track 4: Power, Energy and Power Electronics	Virtual	SD7
683	A Hybrid Modulation for FBLLC Converter to Achieve Flattened Efficiency Profile Over Charging of Wide Categories of Electric Vehicles	Saran Chaurasiya	Track 4: Power, Energy and Power Electronics	Physical	FD8
684	Zero-Tracking SOGI Enabled Synchronization and Control of DFIG-BES based AC Microgrid	Suvom Roy	Track 4: Power, Energy and Power Electronics	Physical	FD8
685	Combined Use of Logarithmic Mean Divisia Index and Kaya Identity for Examining the Relationship between Carbon Emission and Impacting Factors	Fushuan Wen	Track 4: Power, Energy and Power Electronics	Virtual	SD7
686	Prediction of province-level peak carbon emission employing multi-scenario analysis	Fushuan Wen	Track 4: Power, Energy and Power Electronics	Virtual	TD1