

PROGRAMME SCHEDULE- EE TRACK

DAY 1 - 28TH APRIL 2023

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| 8:30 am to 9:30 am | Registration at Main Building, UCE, OU |
| 9.15 am to 10.15 am | Inauguration at Assembly Hall, UCE, OU |
| 10.15 am to 11.00 am | Tea Break |
| 11.00 am to 11.45 am | KEYNOTE ADDRESS – 1 FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL Dr. Kumpati S Narendra Harold W Cheel Professor Emeritus, Engineering, Yale University, USA Venue: Assembly Hall, UCEOU |
| 12.00 pm to 1.00 pm | TECHNICAL PAPER PRESENTATIONS-1 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Dr. N. Srilatha (<i>Osmania University, Hyderabad</i>), Dr. J. Upendar (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_1275 | Battery Supported Solar PV Panel based Multilevel Inverter with Optimal PI Controller using Hybrid GAPSO Algorithm Srinivas Thota, Krishna Veni K and Satish Kumar Peddapelli(<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_3345 | Biogeography Based Optimization for enhancing dynamic performance of Dynamic Voltage Restorer in mitigating Power Quality Problems S Asha Kiranmai and A Jaya Laxmi (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_5723 | Solar PV fed based Shunt APF for Power Quality Enhancement of DG-Grid System Using Fuzzy Logic Controller Jyothi Nemmadi and Prof. .M Manjula (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_9501 | Pulse Frequency Modulation for Pulsed Power Applications Krishna Kumari.N, Naga Swetha.B, Kumar Reddy, Sai Naga Aasrith Madireddy, Kondabala Namratha, C.Pramodh and Thumma Bala Manish Reddy(<i>VNRVJIET,Hyderabad</i>) |
| 1:00 pm to 2:00 pm | Lunch Break |
| 2.00 pm to 2.45 pm | INVITED TALK -1 EMERGING TECHNOLOGIES IN POWER CABLE TRANSMISSION Prof. C.C. Reddy Indian Institute of Technology, Ropar, Punjab, India Venue: e-Class Room, Electrical Engineering Department |
| 2.45 pm to 3.30 pm | INVITED TALK -2 NEW TRENDS IN SCADA SYSTEM TO REDUCE POWER MANAGEMENT CHALLENGES Er. Kamesh A SCADA, TSSPDCL, Hyderabad Venue: e-Class Room, Electrical Engineering Department |
| 3.30 pm to 3.45 pm | Tea Break |
| 3:45 pm to 4.30 pm | INVITED TALK- 3 BEYOND CENTRALIZED CONTROL: EXPLORING THE PROMISE OF CONSENSUS-BASED TECHNIQUES Dr. Onur Cihan Maramara University, Istanbul, Turkey Venue: e-Class Room, Electrical Engineering Department |
| 4.30 pm to 5.30 pm | TECHNICAL PAPER PRESENTATIONS-2 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Dr. N. Susheela(<i>Osmania University, Hyderabad</i>), Dr. E. Sreesobha(<i>Osmania University, Hyderabad</i>) |

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| ICETE_EE_6461 | Modeling of Multi Gate MOSFET with reduced Short length Channel Effects for High Power Applications Nagalakshmi Yarlagadda, Yogesh Kumar Verma and R. Santosh (<i>Lovely Professional University, Punjab</i>) |
| ICETE_EE_4002 | Voltage Regulation and Power Loss Reduction in DN with DG when load changes using MOSMA Vijender Reddy Simarla and Prof. .M Manjula (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_3454 | Optimal Allocation and Sizing of Distributed Generation in Radial Distributed System using Ant Colony Search Algorithm Dr.G.V.Naga Lakshmi and Mr.M. Shiva Kumar (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_7178 | Effect on Synchronous Generators due to Intermittency of Solar Power in a PV-Grid Integrated Power System Jayaprakash Allemshetty and Prof. Bhukya Mangu (<i>Osmania University, Hyderabad</i>) |

| DAY 2 - 29TH APRIL 2023 | |
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| 8:30 am to 9:30 am | Registration at Main Building, UCE, OU |
| 9.30 am to 10.15 am | KEYNOTE ADDRESS – 2 THE FUTURE WITH GENERATIVE AI Er. Veena Gundavelli Founder & CEO, Emagia, USA Venue: Assembly Hall, UCEOU |
| 10.15 am to 11.00 am | KEYNOTE ADDRESS – 3 PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING Dr. Bhiksha Raj School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi Venue: Assembly Hall, UCEOU |
| 11.00 am to 11.30 am | Tea Break |
| 11.30 am to 12.15 pm | INVITED TALK -4 DECARBONIZATION OF INDIA'S ENERGY SECTOR Er. Pavan Kumar Pillalamarri GE Gas Power, Part of GE Vernova, India Venue: e-Class Room, Electrical Engineering Department |
| 12.15 pm to 1.00 pm | TECHNICAL PAPER PRESENTATIONS – 3 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Prof. B. Mangu (<i>Osmania University, Hyderabad</i>), Dr. R. Lingaswamy(<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_4050 | Integration of Renewable Energy Resources to EV Using Sensorless Control and Regenerative Braking Indira Damarla, Aare Anand, T. Thanmai Reethika and H. Sai Niharika (<i>VR Siddhartha Engineering College, Vijayawada</i>) |
| ICETE_EE_2267 | Continuous Current Test on MV Switchgear and Control gear - An Assessment in Respect of Contacts and Connections Somala Arjuna Rao, Rakesh K.G and Girija G (<i>CPRI, Bangolore</i>) |
| ICETE_EE_2408 | Soft Switching DC-DC Converter using PI Controller for Low and Medium Power Applications Dr.N.KrishnaKumari, SK. Nagulmeera, K.KushwanthShivaram, D.Padmapriya, S.Pranitha and B.NagaSwetha (<i>VNRVJIET,Hyderabad</i>) |

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| ICETE_EE_5272 | Sensorless Current Prediction of a Three-Phase Inverter Using Machine Learning Algorithms G Madhu Murali Siran and Dr K Naga Sujatha (<i>JNTUH, Hyderabad</i>) |
| 1:00 pm to 2:00 pm | Lunch Break |
| 2.00 pm to 2.45 pm | INVITED TALK -5 EMERGING TRENDS IN RENEWABLE ENERGY (RE) AND GRID INTEGRATION CHALLENGES Er. Shiva M Kumar Regulatory and Business Development, Greenko Energies Private Limited, India Venue: e-Class Room, Electrical Engineering Department |
| 2.45 pm to 3.30 pm | INVITED TALK -6 HYDROGEN ENERGY FOR TRANSPORTATION TECHNOLOGIES: OPPORTUNITIES AND CHALLENGES IN INDIA Dr. Akshay Kumar Singapore Singapore Institute of Technology, Singapore Venue: e-Class Room, Electrical Engineering Department |
| 3.30 pm to 3.45 pm | Tea Break |
| 3:45 pm to 4.30 pm | INVITED TALK- 7 OVERVIEW OF TRANSMISSION CAPACITY IN TELANGANA AND EMERGING TECHNOLOGIES UTILIZATION Er. T. Jagath Reddy TSTRANSCO, Hyderabad, India Venue: e-Class Room, Electrical Engineering Department |
| 4.30 pm to 5.45 pm Session Chairs: Prof. G Mallesham(<i>Osmania University, Hyderabad</i>), Dr. B. Sirisha(<i>Osmania University, Hyderabad</i>) | TECHNICAL PAPER PRESENTATIONS – 4 Venue: e-Class Room, Electrical Engineering Department |
| ICETE_EE_9784 | Harmonics Reduction and Balanced Transition in Hybrid Renewable Energy Sources Gyadari Balram and Peddapelli Satish Kumar (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_6649 | Control of Quasi Z-Source Converter in a Microgrid Using Modified Power Ratio P&O MPPT Ch Sreenu, G Mallesham and T Chandra Shekar (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_1347 | Performance of Fuel cell and PV integrated hybrid DC/AC microgrid based on the Grey Wolf optimization algorithm Pradeep Mogilicharla and Dr. Sirisha B (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_2109 | High Gain DC-DC Converter fed Six-Step Inverter based BLDC Motor Konda Naresh, D. Suresh, S and Patnaik (<i>National Institute of Technology, Raipur</i>) |

DAY 3 - 30TH APRIL 2023

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| 8:30 am to 9:30 am | Registration at Main Building, UCE, OU |
| 9.30 am to 10.15 am | KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU |
| 10.15 am to 11.00 am | KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer |

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| | Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU |
| 11.00 am to 11.30 am | Tea Break |
| 11.30 am to 1.00 pm | TECHNICAL PAPER PRESENTATIONS-5 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Dr. M.V Ramana Rao(<i>Osmania University, Hyderabad</i>), Dr. G.V Naga Lakshmi(<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_3288 | Optimized Analytical Crone controller for Electric Vehicle System C. Srisailam and Prof. M.Manjula (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_1250 | Efficiency Optimization and Power Quality Enhancement in Power Conversion Systems with SEPIC and PI Control Design Konda Raju, R Durga Rao, G Shiva Pranathi and K Sanjana (JNTUH, Manthani) |
| ICETE_EE_9424 | Speed Control of BLDC Motor Using Switched Capacitor Based DC-DC Converter. Sunil Kumar Sahare and D Suresh (<i>National Institute of Technology, Raipur</i>) |
| ICETE_EE_1799 | A Multi degree of freedom based Hybrid Fractional order Controllers for Load Frequency Control in Hybrid Systems Todeti Dinesh and Prof. M Manjula (<i>Osmania University, Hyderabad</i>) |
| ICETE_EE_2530 | Active neutral point clamped inverter based grid connected active power filter D. Suresh (<i>National Institute of Technology, Raipur</i>) |
| 1:00 pm to 2:00 pm | Lunch Break |