



International Conference on

Advancements in Smart Sustainable Energy Source Technologies and Systems



M a r c 1 1 2 0 2 4	Timings	PROGRAMME SCHEDULE	Venue
	08:00 am to 09:30 am	On Desk Registration	LHC-C
	09:30 am to 10:00 am	Inauguration	LHC-C Video call link: https://meet.google.com/vyy-tjwm-nhb
	09:30 am to 09:32 am	Prayer	
	09:32 am to 09:36 am	Remarks by Convenor/HoD	
	09:36 am to 09:38 am	Welcome	
	09:38 am to 09:40 am	Lighting of the lamp	
	09:40 am to 09:43 am	Launch of the Conference Proceedings	
	09:43 am to 09:45 am	Introduction by Organising Secretary	
	09:45 am to 09:50 am	Remarks by Chief Guest	
	09:50 am to 09:55 am	Remarks by Director	
	09:55 am to 09:58 am	Vote of Thanks by Organising Secretary	
	09:58 am to 10:00 am	National Anthem	
	10:00 am to 10:30 am	High Tea	LHC-C Video call link: https://meet.google.com/vyy-tjwm-nhb
	10:30 am to 11:30 am	Keynote Address	
		PROF. K. GOPAKUMAR, INDIAN INSTITUTE OF SCIENCE (IISC), BANGALORE A research Overview on Inverter Topologies for Drives and Grid-tied Applications	
	11:30 am to 12:30 pm	Invited Speech (Online)	
		MR. RAJEEV SAPRA, DEPUTY GENERAL MANAGER, DELHI TRANSCO LTD Challenges, Opportunities, and Reforms in Indian DISCOMS	
	12:30 pm to 01:30 pm	Lunch	
	01:30 pm to 03:00 pm	Paper Presentation	
		Track 1: Renewable Energy Sources Track 2: Smart Grids and Energy Storage	
	01:30 pm to 01:40 pm	Session Chair	
		DR. Ravi Raushan & DR. Sumanth Govindarajan	
	01:30 pm to 01:40 pm	Paper-ID : 18 Title:-Effect of straight plate deflectors on the performance of modified Savonius rotor at low wind speeds	
	01:40 pm to 01:50 pm	Paper-ID : 03 Title:-Dual Output Converter for EV Charging in a Bipolar DC Microgrid	
	01:50pm to 02:00pm	Paper-ID :23 Title:- Enhancing Solar Panel Efficiency Through Temperature Regulation	
	02:00 pm to 02:10 pm	Paper-ID : 45 Title:- Performance Analysis of PI And PID Controllers For Multi-Port Renewable Energy Source Integration Using Buck- Boost Converter	
		Paper-ID : 46	

Monday	02:10 pm to 02:20 pm	Title:-GENERATING BIOGAS AND FERTILIZER FROM MSW USING AQUATIC WEEDS FOR SUSTAINABLE ENERGY DEVELOPMENT	<div>EEE Seminar Hall</div> <div>Google Meet joining info</div> <div>Video call link: https://meet.google.com/vyv-tjwm-nhb</div>
	02:20 pm to 02:30 pm	Paper-ID : 20	
		Title:-Sessional Solar Energy Assessment using PVsyst and SAM	
	02:30 pm to 02:40 pm	Paper-ID : 08	
		Title: Harmonizing Fuel Cells and Diesel Generators for Enhanced Frequency Regulation in Multi-Area Microgrids	
	02:40 pm to 02:50 pm	Paper-ID : 63	
		Title: Cloudy Sky Detection from Sky Camera Data using ResNet-50	
	02:50 pm to 03:00 pm	Paper-ID: 14	
		Title:-Design of a Grid-connected Adaptive Control Model for a Voltage Source Inverter with an LCL filter	
	03:00 pm to 03:30 pm	Invited Speech (Online) DR. P KOSMOPOULOS, NATIONAL OBSERVATORY OF ATHENS, GREECE Planning and Management of Solar Power from Space	
	03:30 pm to 04:00 pm	High Tea	
	04:00 pm to 05:00 pm	Paper Presentation Track 3: Energy Conversion Technologies Track 4: Internet of Things (IoT) in Energy Systems Session Chair DR. Md Waseem Ahmad & DR. Rajasekaran C	
	04:00 pm to 04:10 pm	Paper-ID : 25	
		Title:-Digital Health Insights: Arduino with IoT integration	
	04:10 pm to 04:20 pm	Paper-ID : 54	
		Title:- Autonomous vehicle with GPS integration	
	04:20 pm to 04:30 pm	Paper-ID : 59	
		Title:- An Autonomous Navigating Robot for Industrial Inspection	
	04:30 pm to 04:40 pm	Paper-ID : 60	
		Title:-Review on Energy Monitoring, Prediction and Controlling System	
	04:40 pm to 04:50 pm	Paper-ID : 65	
		Title: Cloud Segmentation and Prediction in Sky Image using Masking and Deep Learning Approach	
	04:50 pm to 05:00 pm	Paper-ID : 61	
		Title:- Smart attendance system based on face recognition	

Timings	PROGRAMME SCHEDULE	Venue
09:00 am to 10:30 am	Invited Speech (Online)	
	DR. ANKIT SHARMA, NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST), GAITHERSBURG, MD, USA	
	Fire Safety Challenges in Electric Economy: Li-ion Battery Fires	
10:30 am to 11:30 am	Invited Speech (Online)	
	DR. S B SRIVASTAVA, MICHIGAN STATE UNIVERSITY, USA	
	Organic Photovoltaic Interfaces in Bioelectronics (Retinal Prosthesis & Other Medical Devices)	
11:30 am to 12:00 pm	High Tea	
	Paper Presentation	

12:00 pm to 01:30 pm	Track 5: Sustainable Transportation and Electrification
	Track 6: Energy Policy and Economics
	Session Chair
	DR. Arun Dominic & DR. Saurabh Chandraker
12:00 pm to 12:10 pm	Paper-ID : 27
	Title:- INTELLIGENT DC CHARGING SYSTEM FOR ELECTRIC VEHICLES USING THREE-PHASE GRID SYSTEM AND ANN-CONTROLLER
12:10 pm to 12:20 pm	Paper-ID : 16
	Title:- Optimized Performance of Alkaline Fuel Cell Powered BLDC Motor drive Using Incremental Conductance with Interleaved Boost Converter for Electric Vehicles
12:20 pm to 12:30 pm	Paper-ID : 28
	Title:- INTEGRATED BOOST-LUO DC-DC CONVERTER FOR FUEL CELL INTERFACED MULTIMODE HYBRID ELECTRIC VEHICLES
12:30 pm to 12:40 pm	Paper-ID : 19
	Title:-Solar Photovoltaic Material Based Energy Design and Economic Analysis
12:40 pm to 12:50 pm	Paper-ID : 57
	Title:-Programmable Controller for Optimum Usage of Hybrid Renewable Energy Sources in Residential Community
12:50 pm to 01:00 pm	Paper-ID : 44
	Title:-Implementation of STATCOM to Improve Potential Re-liability of a Grid Connected Doubly Fed Asynchronous Generator
01:00 pm to 01:10 pm	Paper-ID : 29
	Title:-POWER QUALITY INROVEMENT IN SWITCHING QUASI-IMPROVED SEPIC CONVERTER AND VOLTAGE SOURCE INVERTER BASED TOPOLOGY FOR A 1-PHASE GRID
01:10 pm to 01:20 pm	Paper-ID : 58
	Title:-Thermally Overheated Pixel Detection and it's Classification in PV Panel Thermal Images using Machine Learning Approach
01:30 pm to 02:30 pm	Lunch
02:30 pm to 04:00 pm	Paper Presentation
	Track 7: Emerging Technologies and Innovations
	Track 8: Environmental Impact and Sustainability
	Session Chair
	DR. S M Kotian & DR. Prabu K
02:30 pm to 02:40 pm	Paper-ID : 49
	Title:-Prediction-Based Scheduling of Hybrid Renewable Energy Microgrid for a Residential Community Using Machine Learning Algorithm
02:40 pm to 02:50 pm	Paper-ID : 35
	Title:-Fault Distance Estimation in IEEE 30 Bus System Using Fully Convolutional and Transformer Network Based Hybrid Model
02:50 pm to 03:00 pm	Paper-ID : 17
	Title:- Development of Intelligent Technique to Minimize Power Loss and Improve Voltage Stability with integration of DG
03:00 pm to 03:10 pm	Paper-ID : 55
	Title:-Anomaly Detection of Solar PV Plant using AI
03:10 pm to 03:20 pm	Paper-ID : 62
	Title:-Temporal Fusion Transformer Model for Solar Power Forecasting
	Paper-ID : 56

EEE Seminar Hall

Google Meet joining info

Video call link:

<https://meet.google.com/vyv-tjwm-nhb>

	03:20 pm to 03:30 pm	Title:-Prediction-Based Scheduling of Hybrid Renewable Energy Microgrid for a Residential Community Using Machine Learning Algorithm
	03:30 pm to 03:40 pm	Paper-ID :15
		Title:-Use of solar photovoltaic modules and phase change material for hot water production
	03:40 pm to 03:50 pm	Paper-ID : 53
		Title:- Evaluation of Partial Discharge Statistics on Medium Voltage Cable Joints under influence of Temperature
	03:50 pm to 04:00 pm	Paper-ID : 22
		Title:-A VOICE ENABLED PROTOTYPE AS A ENERGY CONSERVATION DEVICE AND FOR VISUALLY IMPAIRED PEOPLE
	04:00 pm to 04:30 pm	High Tea
	04:30 pm to 05:00 pm	Valediction