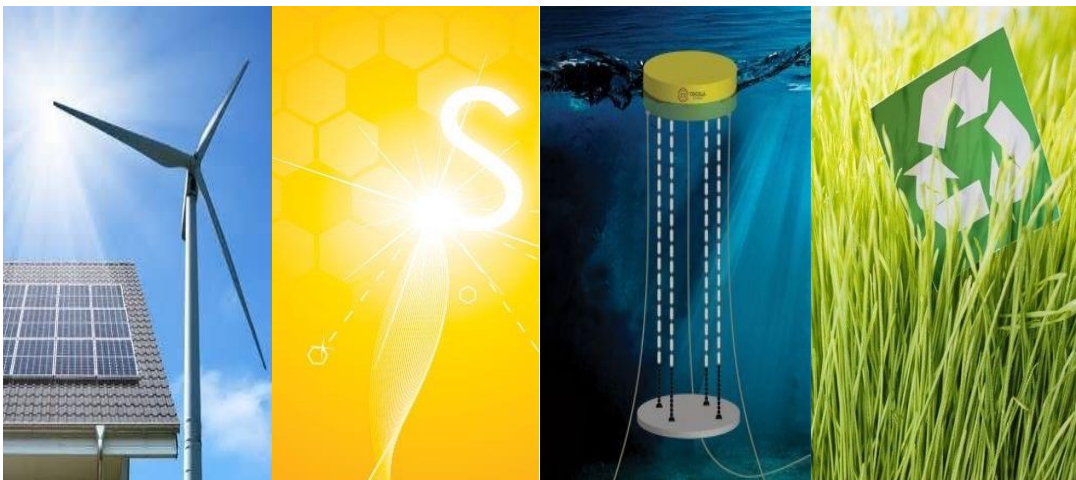




3rd International Conference
Renewable Energy Potential for Sustainable Initiatives
(REPSI-2022) February, 03-04, 2022



Organized by
Department of Electrical & Electronics Engineering
Bharati Vidyapeeth's College of Engineering
New Delhi, INDIA

PROGRAM SCHEDULE

03.02.2022 Thursday	INAUGURAL SESSION (10.00 AM – 11.30 AM) Google Meet Web-Link : meet.google.com/fio-wtnb-gvn
Inaugural Addresses	1.Prof. (Dr.) Dharmender Saini , <i>Principal, BVCOE New Delhi</i> 2.Dr. Kusum Tharani , <i>Head, EEE Department, BVCOE New Delhi</i>
Key Note Address-1	Shri R N Rajput <i>Group General Manager (Elect) Rail Vikas Nigam Limited</i> <i>Chairman, IET Communities Committee South Asia (CCSA)</i>
Key Note Address-2	Shri S.L. Kapur <i>Board Member, Central Power Research Institute.</i> <i>Chief of Engineering & Quality, Tata Power Solar System Limited</i> <i>President Engineering, Welspun Energy Limited, New Delhi</i> <i>Director Technical, National Thermal Power Corporation Limited, New Delhi</i>
Key Note Address-3	Dr. Berkin Imer <i>Managing Director,</i> <i>Pales Group , Renewable Energy Companies, Turkish Republic</i> <i>(Pales Engineering Investments Co., Pales Technics Facility Management Inc., Biomass Energy Inc. & many more)</i>

03.02.2022 Thursday 11.30 AM–01.30 PM	Session-1 Optimization/ Adaptive/ ML/ IOT/Computational Techniques
	Meeting Link: meet.google.com/gmv-hqex-ijt
	Session Chair: Dr. Sadaf Naqvi Session Co-Chair: Dr. Sandeep Banerjee

Presentation Schedule		
S.No	Paper Id	Paper Title
1.	2	Open Research Problem For Effective IOT Authentication
2.	5	Experimental Study of Location Spo ofing And Identity Spo ofing Attack In IOT Network
3.	6	Fruitfly Optimizer With Deep Neural Network For The Detection of Brain Tumours Using EEG Signals
4.	9	Statistical Analysis of Multi Job Processing In Hadoop Environment Using Schedulers
5.	11	An Eco-Epidemic Mathematical Model With Migration
6.	15	Fake News Detection Using Supervised Machine Learning Algorithms
7.	23	Pollution Control And Monitoring System With MI Based Analysis
8.	65	Anomaly Detection For Web Log Data Analysis Using Weighted PCA Technique

03.02.2022 Thursday 11.30 AM–01.30 PM	Session - 2	
	Optimization/ Adaptive/ ML/ IOT/Computational Techniques	
	Meeting Link: https://meet.google.com/gst-ihbn-wma	
	Session Chair: Dr. Sudhakar Singh Session Co-Chair: Dr. Bharat Singh	

Presentation Schedule		
S.No	Paper Id	Paper Title
1.	18	Forest Fire Prevention Part I: Prediction And Web-Based Analysis
2.	31	Statistical Analysis of An Improved Tuning Methods For Optimizing Performances of Hadoop Applications
3.	32	A Classification On RDF Dataset Using Sparql And RdfLib
4.	35	State of Charge Estimation Using Different Machine Learning Techniques
5.	36	Smart Energy Meter Based On Hall Effect Current Sensing Techniques With IOT Modules
6.	39	A Privacy –Preserving Blockchain – Based Secure Storage Framework For Electronic Health Records
7.	43	Real Time Driver Fatigue Surveillance System Using Machine Learning
8.	63	Computational Intelligence In Edge And Cloud Computing

03.02.2022 Thursday 11.30 AM–01.30 PM	Session - 3	
	Electrical Engineering / Renewable Energy Systems	
	Meeting Link: https://meet.google.com/ori-jeaw-vdf	
	Session Chair: Dr. Tejinder Singh Arora Session Co-Chair: Shashi Gandhar	

Presentation Schedule		
S. No	Paper Id	Paper Title
1	4	Optimization of Two Stage Operational Amplifier Using Firefly Algorithm
2	75	Efficient Pipelined FFT Hardware Design For IEEE 754 Single Precision Computing
3	22	An Area Efficient FFT And Its Hardware Implementation
4	45	A Topical Design of Circularly Polarized Fractal Boundary Antenna For RF Harvesting
5	49	High Accuracy Multilayer Autoencoder Trained Classification Method For Diagnosis of Parkinson's Disease Using Vocal Signals
6	58	A Topical Design of Circularly Polarized Fractal Boundary Antenna For RF Harvesting
7	59	Analysis of Image Types, Compression Techniques And Performance Assessment Metrics: A Review
8		

03.02.2022 Thursday 02.00 PM–04.30 PM	Session - 4
	Electrical Engineering / Renewable Energy Systems
	Meeting Link: https://meet.google.com/npj-cgox-cdc
	Session Chair: Prof.(Dr) K K Sharma Session Co-Chair: Dr. A. Gandhar

Presentation Schedule

S. No	Paper Id	Paper Title
1.	10	Performance Comparison Between Arduino Based Dual Axis Solar Tracker And Fixed Module
2.	16	Optimal Power Flow Through Hybrid Power System Using Metaheuristic Hybrid Algorithm
3.	17	Optimal Reactive Power Dispatch By Success History Based Adaptive Differential Evolution Salp Swarm Algorithm
4.	24	Sma-Based Optimal Energy Management Study In A Connected PV/Mt/Dg/V2g/Bess/Wt On IEEE-33 Bus Considering Network Losses And Voltage Deviations
5.	30	Integrated Techno-Economic- Environmental Design of off-Grid Microgrid Model For Rural Power Supply In India
6.	33	Grid Integration of Doubly-Fed Induction Machine Using Indirect Field Oriented Control
7.	34	A Review On Solar PV Reconfiguration Pattern For Further Research
8.	64	Comparative Review And Performance Evaluation of Various Solar PV System Reconfigurations
9.	72	A Mathematical Framework of ANFIS Tuned UPQC Controlled RES Based Isolated Microgrid System
10	74	Comparative Analysis of Hybrid Photovoltaic Thermal (PV/T) Solar Dryer

03.02.2022 Thursday 02.00 PM–04.30PM	Session - 5 Electrical Engineering /Soft Computing Techniques/ Renewable Energy Systems
	Meeting Link: https://meet.google.com/iic-ibjb-idv
	Session Chair: Dr. Rahul Sharma Session Co-Chair: Dr. Sandeep Sharma

Presentation Schedule		
S. No	Paper Id	Paper Title
1.	7	Spatial Forecast of Production And Operation Variables From Wind Power Plants Using Multi-Semivariogram Method
2.	13	Power Inverters For Solar Panels
3.	37	An Honorable Design of S-Type Vertical Axis Wind Turbine
4.	40	Short Term Wind Power Forecasting Using K-Nearest Neighbour (KNN)
5.	47	Dynamic Model of 3-Phase Induction Motor For Control Utilities
6.	50	Wind Power Prediction Analysis By ANFIS GA-ANFIS And PSO-ANFIS
7.	53	Automated Load Shedding Period Control System For Distribution Utility
8.	54	Implementation On Solar Wind Hybrid Power Plant
9.	55	An Informative Review On Recent Developments of Renewable Energy System
10.	60	Assessment of Wind Energy Potential Using Poisson Distribution Model - A Field Study In India

03.02.2022 Thursday 02.00 PM–04.30PM	Session - 6 Electrical Engineering Applications / EVs/ Miscellaneous
	Meeting Link: https://meet.google.com/qvk-egeb-vnx
	Session Chair: Dr. Smita Parikh Session Co-Chair: Dr. Neeraj Kumar

Presentation Schedule		
S. No	Paper Id	Paper Title
1	20	Study of Optimization Techniques For Optimal Location of FACTS Devices
2	41	Design And Control of Electric Vehicle Using Homer
3	61	Underground Distribution Cable Fault Locator System
4	62	Execution of A 15-Level Multilevel Inverter For Hybrid Energy Storage System (Hess)-Based Electric Vehicles
5	29	Modelling of Hybrid Electric Vehicles Drivetrain Using Simulink
6	12	Industrial Automation And Control Systems Development Future And Challenges
7	66	Energy Optimization of Bharati Vidyapeeth (Deemed To Be) University Dhankawadi Campus Pune, India.
8	67	Effect On Electromagnetic Field of The Electric Machine By Gravitational Field – An Innovative Investigation
9	73	Power Quality Analysis of Mechanical Industry – A Case Study

04.02.2022 Friday 10.30 AM–1.00PM	Session - 7
	Electrical Engineering Applications / Miscellaneous
	Meeting Link: https://meet.google.com/vog-ygja-ode
Session Chair: Dr. Nitish Pathak Session Co-Chair: Dr. Sudha K.	

Presentation Schedule

S. No	Paper Id	Paper Title
1	8	Investigation On Electric Vehicle Motor Challenges, Solutions And Control Strategies
2	21	A Review On Piezoelectric Energy For Smart Street And Traffic Lights
3	26	Average Model of Dc-Dc Converters Including The Effect of Coil Resistance For Practical Analysis
4	38	Assistive Ultrasonic Sensor Based Smart Blind Stick Using Fuzzy Logic
5	44	Application Of Floating Solar Photovoltaic Energy Generation Systems
6	51	Practical Implementation of 15 Level Inverter For THD Reduction
7	70	Effect of Mismatch of Factors of Materials Used In Ultracapacitors In Heat Dissipation
8	68	Energy Audit And Conservation of Bharati Vidyapeeth University Dental College – A Case Study
9	69	Effect On Magnetic And Electric Susceptibility of Electromagnetic Field of Electric Machine By Gravitational Field – Modified Novel Equations

04.02.2022 Friday 10.30 AM–1.00PM	Session - 8
	Engineering Applications / Miscellaneous
	Meeting Link: https://meet.google.com/tst-ibrx-abw
Session Chair: Dr. Kusum Tharani Session Co-Chair: Ms. Gargi Mishra	

Presentation Schedule

S. No	Paper Id	Paper Title
1	25	Validation And Predicting Total Body Water In People With Spinal Cord Injury Using Bioelectrical Impedance Analysis
2	42	Smart Temperature Measurement For Pharmaceutical Industry
3	46	An Optimized Design of Warehouse Management System For MSME And Multilevel Industries
4	48	Feature Space Reduction Method For Classification Based Detection of Parkinson's Disease Using Vocal Signals
5	52	5 D Printing: A Future Beyond The Scope of 4 D Printing With Application of Smart Materials
6	56	Analysis of Super Elements And Their Applications
7	57	A Block-Chain Excellency In The Mining of Crypto Currency
8	71	Expert Based Landslide Susceptibility Mapping For Energy Infrastructure Planning
9	28	A Real Time Solar Powered Fire Detection System
