



Programme for IEPCCCT-2021

Day 1 (24THSeptember2021)

9:00 Hrs to 10:00 Hrs (IST)	10:15 Hrs to 11:15 Hrs (IST)	11:30Hrs to 12:30 Hrs (IST)	13:30 Hrs to 16:00 Hrs (IST)
Inauguration	Keynote Lecture-1 Prof. B.K. Panigrahi IIT Delhi	Keynote Lecture2 Prof. R.C.Bansal University Of Sharjah, UAE	Regular Session 1.1 Regular Session 1.2 Regular Session 1.3

Day 2 (25THSeptember2021)

10:00 Hrs to 11:00 Hrs (IST)	11:30 Hrs to 12:30 Hrs (IST)	13:30Hrs to 15:30 Hrs (IST)	16:00 Hrs to 16:30 Hrs(IST)
Keynote Lecture-3 Prof. Debabrata Das Director,I I T - Bangalore	Keynote Lecture-4 Prof. T. Sudhakar Babu Universiti Tenaga Nasional Kajang, Malaysia	Regular Session 2.1 Regular Session 2.2	Closing Ceremony

Link for Inauguration,all keynote lectures and Closing ceremony: <https://meet.google.com/nva-gnes-rxc>

Co-ordinator: Mr. Jyoti Ranjan Padhi, Debswarup Rath

Host:Mrs. Smruti Rekha Pattnaik

Technical Session Schedule

Regular Session 1.1:24thSeptember 2021, 13.30 Hrs to 16.00 Hrs (IST)

Session Chair: Prof. Pradeep Ku. Mohanty and Prof. Amiya Kumar Naik			
Session Coordinator: Dr. Narayan Nahak (mob: 9437340249 Mail: narayannahak@soa.ac.in)			
Session Host: Anshuman Bhuyan			
Session Link: https://meet.google.com/kpe-wbau-rxq			
Sl. No.	Paper ID	Title of the Paper	Author(s) Name
1	IEPCCT-2	Congestion Management in the De-Regulated Market: A Brief Survey	Bijaya Kumar Mohapatra, Deepak Kumar Gupta, Chinmoy Kumar Panigrahi, and Subash Ranjan Kabat
2	IEPCCT-9	Efficiency enhancement of Solar Photovoltaic module based on different cooling arrangement	Roshan Kumar Soni, Sarthak Nayak,Sarita Samal, Prasanta Kumar Barik, Satyabrata Sahoo, Lipika Nanda
3	IEPCCT-12	Optimal Compensation Of Hydro Governor For Power Oscillation Damping	Samarjeet Satapathy, Narayan Nahak, Ramachandra Agrawal, Akshaya Kumar Patra
4	IEPCCT-14	Optimal LFC of multi-area Interconnected System Applying PI-PID Cascaded controller	Moayad Ali Deeb, Manoj Kumar Debnath

5	IEPCCT-15	A Novel fuzzy based Model Predictive Adaptive Controller for a PMSG Wind Turbine	Gayatri Mohapatra, Manoj Kumar Debnath
6	IEPCCT-16	Feasibility Study of a Floating Solar Photovoltaic System in Odisha, India	Sonali Goel, Saumya Ranjan Lenka and Renu Sharma
7	IEPCCT-24	ASOS Based Load Frequency Control of Multi Area Power System Using Degrees of Freedom PID Controller	Sunita Pahadasingh, Chitralekha Jena Chinmoy Ku. Panigrahi
8	IEPCCT-111	A Genetic Algorithm-based Demand Side Management Program for Implementation of Virtual Power Plant Integrating Distributed Energy Resources	Sarthak Mohanty, Subhasis Panda, Binod Kumar Sahu, and Pravat Kumar Rout
9	IEPCCT-113	Analysis of Evaporation Rate Based Water Cycle Algorithm Tuned 2-DOF PIDF Controller for Automatic Generation Control of Power System	Gauri Sahoo , Rabindra Kumar Sahu and Sidhartha Panda
10	IEPCCT-117	Design and analysis of Memductor based PID controller for AVR	Sunita S. Biswal, Dipak R. Swain, Pravat Kumar Rout

Regular Session 1.2: 24th September 2021, 13.30 Hrs to 16.00 Hrs (IST)

Session Chair: Prof. Pravat K. Rout and Prof. Binod Ku. Sahu			
Session Coordinator: Dr. Kumari Kasturi (mob: 9937588506 Mail: kumarikasturi@soa.ac.in)			
Session Host: Soumya Mohanty			
Session Link: meet.google.com/dkf-xbcw-zuc			
Sl. No.	Paper ID	Title of the Paper	Author(s) Name
1	IEPCCT-26	Stability Improvement of Fractional-Order Filters Using Gain Bandwidth and Step Response Approach	Kumar Biswal, Sanjeeb Kumar Kar , Madhab Chandra Tripathy
2	IEPCCT-38	Tidal Energy Connected with Grid for Coastal Area	Pushpak Jain and Kanhu Charan Bhuyan
3	IEPCCT-40	Optimal Power Trading for a Micro-grid with Demand Response in Competitive Electric Market	Abhilipsa Sahoo and Prakash Kumar Hota
4	IEPCCT-59	Advanced Adaptive Filter based Control Strategy for Active Switch Inverter Operation	Buddhadeva Sahoo, Sangram Keshari Routray, Pravat Kumar Rout, Mohammed M Alhaider
5	IEPCCT-60	Bypass Diodes Configurations for Mismatch Losses Mitigation in Solar PV Modules	Priya Ranjan Satpathy, Pritam Bhowmik, Thanikanti Sudhakar Babu, Renu Sharma and Chiranjit Sain
6	IEPCCT-91	Improved Grid Synchronization Technique under Adverse Grid Condition	Banishree Misra, Poonam Tripathy
7	IEPCCT-92	Automated Visual Inspecting System for Fruit Quality Estimation using Deep Learning	Debaniranjan Mohapatra, Niva Das, Kalyan Kumar Mohanty, Janhawi Shresth
8	IEPCCT-93	Multi-objective Optimal Allocation of DSTATCOM Using an Improved Student Psychology Based Algorithm	Subrat Kumar Dash, Swapnil Pani and Sivkumar Mishra
9	IEPCCT-94	Symbiotic Organism Search (SOS) Algorithm based Load Frequency Control for Hybrid	Geetanjali Dei , Deepak Kumar Gupta , Sarita Samal, Binod

		Power System	Kumar Sahu
10	IEPCCT-118	Solar Photo Voltaic Renewal Energy: Analysing the Effectiveness of Marketing Mix Strategies	Saumendra Das, Janmenjoy Nayak, Manohar Mishra, Bighnaraj Naik

Regular Session 1.3: 24th September 2021, 13.30 Hrs to 16.00 Hrs (IST)

Session Chair: Prof. Nakul Ch. Sahu and Prof. Sangram K. Routray			
Session Coordinator: Mrs. Gayatri Mohapatra (mob:9437194551 Mail:gayatrimohapatra@soa.ac.in)			
Session Host: Swetlina Sarangi			
Session Link: meet.google.com/aii-rjof-izs			
Sl. No.	Paper ID	Title of the Paper	Author(s) Name
1	IEPCCT-72	Moth Flame Optimized Automatic Generation Control with PIDF Controller for the Integration of Plug in Electrical Vehicles with Interconnected Power System	B.V.S Acharyulu, S.K.Swamy, B. Seshasai, B. Mohanty
2	IEPCCT-73	Cost and Feasibility Analysis for Designing A PV-Wind Hybrid Renewable Energy System (A Case Study for Campus-3, KIIT University, Bhubaneswar)	Satyabrata Sahoo, Sarat Chandra Swain, Kantipudi V.V.S. R Chowdary & Arjyadhara Pradhan
3	IEPCCT-74	Design of optimal multi-band pss for variable solar penetrated power system	Samarjeet Satapathy, Arjit Gourav Patel, Bighnesh Samal, Narayan Nahak, Pravati Nayak
4	IEPCCT-79	TLBO Designed 2-DOFPIDF Controller for LFC of Multi-area Multi-source Power System	Nimai Charan Patel, Binod Kumar Sahu, Ramesh Chandra Khamari
5	IEPCCT-81	Automatic Generation Control of an interconnected power system using 2 degree of freedom fractional order PID controller	S. Sahoo, N. K. Jena, D. P. Das, B. K. Sahu
6	IEPCCT-82	Performance assessment of three phase standalone PV system with machine learning based controller	Debswarup Rath, Akshaya Kumar Patra, Bidyadhar Rout Dillip Kumar Subudhi, Sanjeeb Kumar Kar
7	IEPCCT-86	Development of Conceptual framework for Reinforcement learning based Optimal control	Smriti Gupta, Sabita Pal, Kundan Kumar, and Kuntal Ghosh
8	IEPCCT-90	Small signal stability improvement of wind penetrated power system by lightning search algorithm tuned fractional statcom	Sankalpa Bohidar, Samarjeet Satapathy, Narayan Nahak, Ranjan Kumar Mallick
9	IEPCCT-98	A Novel 7 level Switched Capacitor Multilevel Inverter with Reduced Components for Renewable Energy Conversion Systems	Tapas Roy and Pradip Kumar Sadhu
10	IEPCCT-121	A brief analysis on microgrid control	Sheetal Chandak, Buddhadeva Sahoo, Pravat Kumar Rout, Sthitaprajna Mishra

Regular Session 2.1:25th September 2021, 13.30 Hrs to 15.30 Hrs (IST)

Session Chair: Prof. Benudhar Sahu and Prof. Satya Narayan Bhuyan			
Session Coordinator: Dr. Shubhanshu Mohan Parida (mob: 9937013988 Mail: shubhanshuparida@soa.ac.in)			
Session Host: Subrat Kumar Bhol			
Session Link: meet.google.com/dby-gtcn-nif			
Sl. No.	Paper ID	Title of the Paper	Author(s) Name
1	IEPCCT-3	Design and Analysis of RF Optimization in 2G GSM and 4G LTE Network	Deepak kumar Barik, Sabita Mali Farida A. Ali, Arun Agarwal
2	IEPCCT-25	Design of Aperture coupled Microstrip Phased Array Antenna	Pranoti S. Bansode and D. C. Gharpure
3	IEPCCT-39	Design of Switched Capacitor based Charge Amplifier in 180nm Technology	Dillip Kumar Sahoo, Kanhu Charan Bhuyan and Ananya Dastidar
4	IEPCCT-56	Electrical and Dielectric characteristics of Ethylene Vinyl Acetate/Aluminium Nitride Polymer Composite for usage in Flexible Electronics	Dillip Kumar Subudhi, P. Ganga. Raju. Achary, Priyabrata Pattanaik and Dilip Kumar Mishra
5	IEPCCT-84	Design and implementation of elliptic curve digital signature using bit coin curves secp256k1 and secp384r1 for base 10 and base16 using Java	Deepak S Sakkari and Mohammed Mujeer ulla
6	IEPCCT-96	Simulink and FPAA Implementation of FSK Signals	Bikram Choudhury and Aruna Tripathy
7	IEPCCT-114	A critical assessment of IoT based landslide prediction systems using AHP	Abhipsa Kar and Manas Ranjan Das

Regular Session 2.2:25th September 2021, 13.30 Hrs to 15.30 Hrs (IST)

Session Chair: Prof. Janmenjoy Nayak and Prof. Bighnaraj Naik			
Session Coordinator: Mrs. Subhadra Sahoo (mob: 9861963130, Mail: subhadrasahoo@soa.ac.in)			
Session Host: Anusuya Roychodhury			
Session Link: meet.google.com/nnz-hvzi-ofr			
Sl. No.	Paper ID	Title of the Paper	Author(s) Name
1	IEPCCT-5	Artificial Pancreas (AP) based on the Fractional Order PID Controller (FOPIDC) with JAYA Optimization Technique	Akshaya Kumar Patra, Anuja Nanda, Bidyadhar Rout , Dillip Kumar Subudhi, Saswata Pani
2	IEPCCT-55	A comparative study of Deep Learning Algorithms for Identification of COVID-19 disease using Chest X-Ray images	Nour Haj Hammadah, Nilima R. Das, Mamata Nayak, Tripti Swarnkar
3	IEPCCT-62	Sentiment Analysis of Bengali Facebook Data Using Classical and Deep Learning Approaches	Partha Chakraborty, Farah Nawar, and Humayra Afrin Chowdhury
4	IEPCCT-66	Analysis and Recognition of Emotions from Voice Samples using Ant Colony Optimization Algorithm	Surjyo Narayana Panigrahi and Hemanta Kumar Palo
5	IEPCCT-83	A Hybrid Based Ensemble Learning Model and DNN for Automated Diagnosis of Brain Tumor from MRI Images	Basra Jehangir and Soumya Ranjan Nayak
6	IEPCCT-87	Stock Index Movement Prediction: A Crow Search-ELM Approach	Sidharth Samal, Rajashree Dash
7	IEPCCT-97	Analysis of Lung Cancer by using Deep Neural Network	Sourav Shandilya and Soumya Ranjan Nayak

8	IEPCCT-101	Design of Variational Autoencoder for Generation of Odia Handwritten Numerals in CNN Model	Abhishek Das, Saumendra Kumar Mohapatra, and Mihir Narayan Mohanty
9	IEPCCT-105	Classification of Skin Lesions using Deep Convolutional Neural Network	Bhanja Kishor Swain, Susanta Kumar Rout, Mrutyunjaya Sahani, Upasana Muduli and Renu Sharma
10	IEPCCT-122	An Overview of Power System Resilience: Causes, Planning and Restoration Processes	Fanidhar Dewangan, Monalisa Biswal, Manohar Mishra