

List of provisionally accepted papers in 2021 IEEE Second International Conference on Control, Measurement and Instrumentation (CMI) - Virtual
January 8-10, 2021

Paper ID	Paper Title	Primary Author Name	Decision
4	Cross- Conductive Sensor for Humidity Measurement in Gas for Gas Insulated Switchgears Application	Tarikul Islam	Accept subject to major revision
5	Performance analysis of 2-link Robotic Manipulator with LPF and α -filter based UDE controller	Shilpee Kumar	Accept subject to major revision
6	A sensitive fiber optic technique for remote measurement of liquid flow	Tarikul Islam	Accept subject to major revision
7	Bipartite Synchronization of Coupled Linear Homogeneous Systems Subjected to Input Saturation	Sourav Bhowmick	Accept subject to minor revision
8	Pole-Zero Analysis of Model-Free and Model-Based Tuning Strategies for Unstable Maglev System	Shradha Kishore	Accept subject to major revision
9	Two Stage Optimization of Dynamic Vehicle Routing Problem with Variable Time Window	Soham Ghatak	Accept subject to major revision
11	Fractional order Intelligent Controller for Single Tank Liquid Level System	Rimi Paul	Accept subject to minor revision
12	ATM Surveillance system using convolutional neural network	Nandini Devi	Accept subject to major revision
14	Design of Synchronization Controllers for Fractional-order Chaotic Systems, its Unique Application in Secure Communication and Hardware Circuit Realization	Anirudh A Velamore	Accept subject to minor revision
15	Classification of Thermal Tomographic Images using Eigenface Method	Chayan Kumar Basak	Accept subject to major revision
16	A high frequency wide band patch antenna with antisymmetric L shaped probe feeds and hexagonal patch.	Meeva Suresh S	Accept subject to major revision
18	Design and Simulation of Interdigital Capacitive Sensor with Polystyrene copolymer observing its dielectric response to limonoid of citrus fruits	Satyajit Das	Accept subject to major revision
19	Elimination of Initial undershoot of Non-minimum Phase System using Model Reference Adaptive Control	Mita Pal	Accept subject to major revision
20	RTDA Controller Design for Conical Tank system	Febina c	Accept subject to major revision
21	Real Time Temperature Monitoring using Raspberry Pi and Database Management System	Sanskar Panigrahi	Accept subject to major revision
22	FIBONACCI PATH PLANNING ALGORITHM FOR ROBOTIC WAITERS	SOWMYA CHERVU	Accept subject to minor revision
26	IoT and Genetic Algorithm based automated central controller for effective Congestion Management in Power System	JANARTHANAN NATARAJAN	Accept subject to minor revision
27	ANALYSIS OF BAYESIAN - MEAN FIELD CLOCK SYNCHRONIZATION METHOD IN WIRELESS SENSOR NETWORKS	PINKY P S	Accept subject to major revision
28	Design and Analysis of DRA based antenna for FPV Applications	SARATH J V	Accept subject to major revision
30	Effect of Filters in Edge Detection Using xOpenCV Library	Aman Saxena	Accept subject to major revision
35	Pick and Place Operation of a Robotic arm using Multirate Event Triggered Sliding mode Control	Lalpriya P.S	Accept subject to minor revision
36	IoT based Intelligent Parking Management System	Dr. K.R.M. Vijaya Chandrakala	Accept subject to major revision
37	Application of Swarm Intelligence Algorithms to Optimize the Power Consumption Model	Alexandra Khalyasmaa	Accept subject to major revision
38	Computer aided Diabetes Diagnosis using Textural Features of Saliva Crystallogram Images	Srideep Maity	Accept subject to minor revision
40	Surface Velocity Estimation of Streams Using a 77 GHz Radar Unit	Martin Scherhäufel	Accept subject to minor revision
42	Fabrication and Testing of a Small Horizontal Axis Wind Turbine Blade	Labid Bin Bashar	Accept subject to major revision
43	Estimation of Driver Demand Torque using Parametric and Nonparametric Data-driven Model	Arpita Bhattacharjee	Accept subject to minor revision
44	Global robust stability analysis for hybrid BAM neural networks	N N Mohamed Thoiyab	Accept subject to major revision

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45	Optimal Tuning of Model Predictive Controller using Chicken Swarm Optimization for Real-time Cultivation of Escherichia coli	Chitra Murugan	Accept subject to minor revision
48	Monitoring of Wax Thickness in the Crude Oil Pipeline through IOT node-based system	Nirupama Mandal	Accept subject to minor revision
49	Design of Robust Depth Controller for an AUV with Disturbance	Ravishankar P Desai	Accept subject to major revision
50	Performance Comparison of Nonlinear State Estimators for State-of-Charge Estimation of Supercapacitor	Manika Saha	Accept subject to major revision
51	Condition Monitoring of BLDC Motor Using Short Time Fourier Transform	Shanmukha reddy Vippala	Accept subject to major revision
52	APPLICATION OF TRIANGULAR ORTHOGONAL FUNCTION IN CHEMICAL PROCESSE SIMULATION	Madhusree Kundu	Accept subject to major revision
53	IoT Assisted Real Time PPG Monitoring System for Health Care Application	SUBHAJIT BHOWMICK	Accept subject to major revision
54	Design and Validation of a Fail-safe Digital Igniter tester for Pyro initiator health measurement	Noel Philip	Accept subject to minor revision
55	Robust Control of Coupled-Tank System using Uncertainty and Disturbance Estimator	SHARMISTHA MANDAL	Accept subject to minor revision
57	An FOPI Controller Design for Coupled-Tank TITO process using Whale Optimization Algorithm	Gandikota Gurusurthy	Accept subject to minor revision
58	Multivariate Analysis of Formalin Using UV-Vis Spectroscopy	SHREYA NAG	Accept subject to minor revision
59	Realization of Solid Fractional Order Capacitor Using Common Materials	Debanjan Das	Accept subject to minor revision
60	Development of Molecularly Engraved Polymer Based Sensor for Detection of Theobromine in Tea	Debangana Das	Accept subject to major revision
61	Design and Simulation of a Flexible Three-Module Pipe Climber	Saharsh Agarwal	Accept subject to minor revision
63	Deep Learning based Soft Sensor for Bioprocess application	VIJAYA KRISHNA V V S	Accept subject to major revision
64	Decentralized Control of Multi-Input Multi-Output Processes Using Effective Transfer Function Method	Sidhanta Mohanty	Accept subject to major revision
65	Time Series Load Forecasting using Multitask Deep Neural Network	Kiruthiga D	Accept subject to major revision
66	Advanced Controller Design for Real-Time Multi-variable Systems	Souvik Pramanik	Accept subject to major revision
67	DESIGN AND OPTIMIZATION OF CONTROLLER PARAMETERS FOR PNEUMATIC PRESSURE CONTROL LOOP	Lijilmayee Majhi	Accept subject to major revision
68	Reconstruction of the shape of a Taylor Bubble rising through a circular tube using Parallel Wire Conductivity Probes	Souvik Mandal	Accept subject to major revision
69	Meteorological Data Driven Prediction of Global Solar Radiation	SAMARJIT SENGUPTA	Accept subject to major revision
70	Computer Vision based Obstacle Identification using Real-Time Illumination Sensor Data	Arijit Ghosh	Accept subject to minor revision
71	Sign Language Detection from Hand Gesture Images using Deep Multi-layered Convolution Neural Network	Rajarshi Bhadra	Accept subject to major revision
72	A Self-Calibration Circuit for the Resistance Measurement of Parallel R-C sensor	Elangovan K	Accept subject to minor revision
73	Multi signal pulse wave analysis for the identification of vascular diseases leading to diabetic foot	Suresh KS	Accept subject to minor revision
74	Motion Control of an Internally-Actuated Cubical Robot balancing on Its Edge	Sananda Chatterjee	Accept without changes
75	Effect of Electrode Thickness and Spacing in the Sensing Capabilities of Surface Acoustic Wave Delay Lines.	SHEEJA P GEORGE	Accept subject to major revision
76	Wood Moisture Content Measurement using planar Capacitive Sensors	Binu Mathew	Accept subject to major revision