

List of finally accepted papers  
2021 IEEE Second International Conference on Control, Measurement and Instrumentation (CMI),  
organised by IEEE Joint CSS-IMS Kolkata chapter and to be held during January 8-10, 2020.

Paper ID	Paper Title	Primary Author Name
4	Cross- Conductive Sensor for Humidity Measurement in Gas for Gas Insulated Switchgears Application	Tarikul Islam
5	Performance analysis of 2-link Robotic Manipulator with LPF and $\alpha$ -filter based UDE controller	Shilpee Kumar
6	A sensitive fiber optic technique for remote measurement of liquid flow	Tarikul Islam
7	Bipartite Synchronization of Coupled Linear Homogeneous Systems Subjected to Input Saturation	Sourav Bhowmick
11	Fractional order Intelligent Controller for Single Tank Liquid Level System	Rimi Paul
14	Design of Synchronization Controllers for Fractional-order Chaotic Systems, its Unique Application in Secure Communication and Hardware Circuit Realization	Anirudh A Velamore
15	Classification of Thermal Tomographic Images using Eigenface Method	Chayan Kumar Basak
19	Elimination of Initial undershoot of Non-minimum Phase System using Model Reference Adaptive Control	Mita Pal
21	Real Time Temperature Monitoring using Raspberry Pi and Database Management System	Sanskar Panigrahi
22	Fibonacci Path Planning Algorithm for Robotic Waiters	SOWMYA CHERVU
26	IoT and Genetic Algorithm based automated central controller for effective Congestion Management in Power System	JANARTHANAN NATARAJAN
28	Design and Analysis of DRA based antenna for FPV Applications	SARATH J V
35	Pick and Place Operation of a Robotic arm using Multirate Event Triggered Sliding mode Control	Lalpriya P.S
36	IoT based Intelligent Parking Management System	Dr. K.R.M. Vijaya Chandrakala
37	Application of Swarm Intelligence Algorithms to Optimize the Power Consumption Model	Alexandra Khalyasmaa
38	Computer aided Diabetes Diagnosis using Textural Features of Saliva Crystallogram Images	Srideep Maity
40	Surface Velocity Estimation of Streams Using a 77 GHz Radar Unit	Martin Scherhäufl
43	Estimation of Driver Demand Torque using Parametric and Nonparametric Data-driven Model	Arpita Bhattacharjee
44	Global robust stability analysis for hybrid BAM neural networks	N N Mohamed Thoiyab
45	Optimal Tuning of Model Predictive Controller using Chicken Swarm Optimization for Real-time Cultivation of Escherichia coli	Chitra Murugan
50	Performance Comparison of Nonlinear State Estimators for State-of-Charge Estimation of Supercapacitor	Manika Saha
51	Condition Monitoring of BLDC Motor Using Short Time Fourier Transform	Shanmukha reddy Vippala

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53	IoT Assisted Real Time PPG Monitoring System for Health Care Application	SUBHAJIT BHOWMICK
55	Robust Control of Coupled-Tank System using Uncertainty and Disturbance Estimator	SHARMISTHA MANDAL
58	Multivariate Analysis of Formalin Using UV-Vis Spectroscopy	SHREYA NAG
59	Realization of Solid Fractional Order Capacitor Using Common Materials	Debanjan Das
60	Development of Molecularly Engraved Polymer Based Sensor for Detection of Theobromine in Tea	Debangana Das
61	Design and Simulation of a Flexible Three-Module Pipe Climber	Saharsh Agarwal
63	Deep Learning based Soft Sensor for Bioprocess application	VIJAYA KRISHNA V V S
64	Decentralized Control of Multi-Input Multi-Output Processes Using Effective Transfer Function Method	Sidhanta Mohanty
65	Time Series Load Forecasting using Multitask Deep Neural Network	Kiruthiga D
66	Advanced Controller Design for Real-Time Multi-variable Systems	Souvik Pramanik
68	Reconstruction of the shape of a Taylor Bubble rising through a circular tube using Parallel Wire Conductivity Probes	Souvik Mandal
69	Meteorological Data Driven Prediction of Global Solar Radiation	SAMARJIT SENGUPTA
70	Computer Vision based Obstacle Identification using Real-Time Illumination Sensor Data	Arijit Ghosh
71	Sign Language Detection from Hand Gesture Images using Deep Multi-layered Convolution Neural Network	Rajarshi Bhadra
72	A Self-Calibration Circuit for the Resistance Measurement of Parallel R-C sensor	Elangovan K
73	Multi signal pulse wave analysis for the identification of vascular diseases leading to diabetic foot	Suresh KS
74	Motion Control of an Internally-Actuated Cubical Robot balancing on Its Edge	Sananda Chatterjee
75	Effect of Electrode Thickness and Spacing in the Sensing Capabilities of Surface Acoustic Wave Delay Lines.	SHEEJA P GEORGE
76	Wood Moisture Content Measurement using planar Capacitive Sensors	Binu Mathew