

**Final List of Registered 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.**

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| 4        | Cross-Conductive Sensor for Humidity Measurement in Gas for Gas Insulated Switchgears Application                            | Kazi Javed Akram                  |
| 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       | Dual cascaded Fractional-order Chaotic Synchronization for Secure Communication with Analog Circuit Realisation              | 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                          |
| 22       | Fibonacci Path Planning Algorithm for Robotic Waiters  | Chervu Sowmya                     |
| 26       | IoT and Genetic Algorithm based automated central controller for effective Congestion Management in Power System             | Natarajan Janarthanan             |
| 28       | Design and Analysis of DRA based antenna for FPV Applications  | Bindu P (Palakkal)                |
| 35       | Pick and Place Operation of a Robotic arm using Multirate Event Triggered Sliding mode Control                               | Maria Philip                      |
| 36       | IoT based Intelligent Parking Management System  | Anirudh D.                        |
| 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 Scherhäufel                |
| 43       | Estimation of Driver Demand Torque using Parametric and Nonparametric Data-driven Model                                      | Arpita Bhattacharjee<br>Saranya S |
| 44       | Global robust stability analysis for hybrid BAM neural networks  | N. Mohamed Thoiyab                |
| 45       | Optimal Tuning of Model Predictive Controller using Chicken Swarm Optimization for Real-time Cultivation of Escherichia Coli | Pappa Natarajan                   |
| 50       | Performance Comparison of Nonlinear State Estimators for State-of-Charge Estimation of Supercapacitor                        | Munmum Khanra                     |

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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                                     | Priyanka Barat             |
| 58 | Multivariate Analysis of Formalin Using UV-Vis Spectroscopy   | Shreya Nag                 |
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| 65 | Time Series Load Forecasting using Multitask Deep Neural Network  | Kiruthiga .D               |
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