

TECHNICAL SESSION 3 : CONTROL - 1 (CL1)

Date : 20-05-2023

Time: 9.00 am – 10.30 am

Venue : Nova

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 1.1	7	Fourth Order Sliding Mode Control of Position for Electro-Hydraulic Actuator	ANOOP CHANDRA	09.00-09.15
2	CL 1.2	32	Design of INS aided receiver integrity monitoring algorithm (ARIM) for GNSS integrated navigation systems	Anand Shankar O. T.	09.15-09.30
3	CL 1.3	176	Ascent Trajectory Optimization of Launch Vehicle Using Controlled Random Search	Cindrella Gilson	09.30-09.45
4	CL 1.4	177	Thrust Vectoring and its Effects on Vertical Take-off and Landing of Monocopters - A Review	Dhanya P.	09.45-10.00
5	CL 1.5	240	LIDAR Based Landing Site Identification and Safety Estimation For Inter Planetary Missions	Krishna Mohan	10.00-10.15
6	CL 1.6	247	Altitude and Attitude Control of X-Configuration Quadrotor Design	Ujjwal K. Menon	10.15-10.30

TECHNICAL SESSION 6 : CONTROL - 2 (CL2)

Date : 20-05-2023

Time: 12.30pm – 2.00pm

Venue : Galaxy

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 2.1	246	Energy Management for Single Machine Permanent Magnet Linear Generator (PMLG) for Stand-Alone Application	Tuanku Badzlin Hashfi	12.30-12.45
2	CL 2.2	55	An Improved Fault Identification and Location Prediction Method for AC Microgrid	Sindhura Miraj	12.45-1.00
3	CL 2.3	131	Design and Cost Analysis of a Decentralized Hybrid Renewable Energy System-based Microgrid for Insular Rural Area: Hatiya of Bangladesh as an off-grid solution	Quazi Rian Hasnaine	1.00-1.15
4	CL 2.4	169	Shunt Active Power Filter for Single Phase Low Voltage Distorted Networks	Anu G	1.15-1.30
5	CL 2.5	245	Deep learning networks for short term load forecasting	Asha Ali	1.30-1.45
6	CL 2.6	213	An In-Depth Description of Multi-Agent Systems for Controlling Smart Grids	Neema C. Jayan	1.45-2.00

TECHNICAL SESSION 9 : CONTROL - 3 (CL3)

Date : 20-05-2023

Time: 12.30pm – 2.00pm

Venue : Luna

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 3.1	70	Simulation and Validation of a Precise 2RC Model of Lithium-Ion cell Incorporating Wire-bond Losses	Kunwar Aditya	12.30-12.45
2	CL 3.2	93	A Novel Torque Control Scheme with Reduced Computation for Induction Motor	Kansul Haque M.	12.45-1.00
3	CL 3.3	143	Virtual Modelling and Loss Study of Permanent Magnet Synchronous Motor used in Electric Pickup Truck	Rahul M. A.	1.00-1.15
4	CL 3.4	151	A Multi-Objective Particle Swarm Optimization based Current Control and Torque Control for 8/6 Switched Reluctance Motor	Monish M.	1.15-1.30
5	CL 3.5	185	Fuzzy-Based Control Strategy for Super Capacitor Assisted Battery Powered EV	Shelma George	1.30-1.45
6	CL 3.6	227	FOC Based Control of a SynRM for Space Application	Sajeev Kumar A.	1.45-2.00

TECHNICAL SESSION 12 : CONTROL - 4 (CL4)

Date : 20-05-2023

Time: 3.30pm – 5.00pm

Venue : Planet

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 4.1	22	Adaptive Neural Attitude and Altitude Control of a Quadrotor UAV with External Disturbances via Sliding Mode Control	Sanjeev Ranjan	3.30-3.45
2	CL 4.2	49	Semi-Autonomous Non-singular Terminal Sliding Mode Control of a Micro Aerial Robot for Outdoor Wall Climbing Operation	Ajmal Jaleel	3.45-4.00
3	CL 4.3	86	Vehicle to Grid operation of an Electric Vehicle using Model Predictive Control	Preethi P. J.	4.00-4.15
4	CL 4.4	147	Fault Tolerant Model Reference Adaptive Controller for Launch Vehicle Electromechanical Actuation System	Najma Farsana	4.15-4.30
5	CL 4.5	170	Friction Estimation of Electromechanical Actuator based Flex Nozzle Control System using Firefly Algorithm	Vibha R Linu	4.30-4.45
6	CL 4.6	193	Trajectory Tracking Control of a Truck Trailer Robot Using Feedback Linearization	Anagha R Nath	4.45-5.00
7	CL 4.7	203	Trajectory Tracking Control of an Autonomous Vehicle using Model Predictive Control and PID Controller	Anagha Anil	5.00-5.15

TECHNICAL SESSION 15 : CONTROL - 5 (CL5)

Date : 20-05-2023

Time: 3.30pm – 4.45 pm

Venue : Venus

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 5.1	168	Grid Integrated Solar Photovoltaic Converter Control for Power Quality Enhancement	SURASMI N L	3.30-3.45
2	CL 5.2	200	Demand Forecasting in smart homes using deep learning techniques	Reshmi Krishnan S.	3.45-4.00
3	CL 5.3	231	Fault Detection Classification and Identification in PV Array	Abhijith S.	4.00-4.15
4	CL 5.4	271	Application of Hybrid Techniques for Efficient Photovoltaic Systems-An Overview	Dr. Sunil Kumar Singh	4.15-4.30
5	CL 5.5	291	Coordinated Charging of Electric Vehicles for Load Levelling in Power Distribution Networks	Haripriya M. R.	4.30-4.45

TECHNICAL SESSION 17 : CONTROL - 6 (CL6)

Date : 21-05-2023

Time: 9.30am – 11.00am

Venue : Planet

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 6.1	71	A Comprehensive Guide for Optimizing the switching of an Automotive Grade MOSFET in a Half-Bridge Topology	Kunwar Aditya	9.30-9.45
2	CL 6.2	81	Bidirectional Wireless System for drone to drone opportunity charging in a multi agent system	Sandipan Dey	9.45-10.00
3	CL 6.3	252	Topologies used in EV charging system – A Comparative Analysis	LAKSHMI M. NAIR	10.00-10.15
4	CL 6.4	272	Hybrid Multilevel Inverter Control for Harmonic Mitigation	SURASMI N. L.	10.15-10.30
5	CL 6.5	276	Synchronous Reference Frame Theory Based Shunt Active Filter For Harmonic and Unbalance Compensation	Abirami T. J.	10.30-10.45
6	CL 6.6	281	Space Vector Pulse Density Modulation Scheme for Multilevel Inverters using Line Voltages Coordinate Transformation	Suha N.	10.45-11.00

TECHNICAL SESSION 21 : CONTROL - 7 (CL7)

Date : 21-05-2023

Time: 11.15am – 12.30pm

Venue : Nova

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 7.1	264	Frequency Stability Enhancement in Solar PV System using Fractional Order Controllers	Sreedevi G.	11.15-11.30
2	CL 7.2	279	A Review on Optimal Power Scheduling Techniques	Thara Mohanan	11.30-11.45
3	CL 7.3	285	POWER QUALITY ENHANCEMENT TECHNIQUES IN MICROGRID-A REVIEW	Reshmi V.	11.45-12.00
4	CL 7.4	287	Frequency Stabilization in a Microgrid Cluster Using a Plug-in Electric Vehicle with Power-Frequency Droop Control Strategy	CIBUMOL B. BABU	12.00-12.15
5	CL 7.5	293	Fault Detection and Classification for DC Microgrid using Binary Classification Models	Amal Krishna T. S.	12.15-12.30

TECHNICAL SESSION 22 : CONTROL - 8 (CL8)

Date : 21-05-2023

Time: 1.30pm – 3.00pm

Venue : Galaxy

Sl. No.	Session ID	Paper ID	Title	Presented by	Time Slot
1	CL 8.1	17	Design of Hexapod Robot with Adaptive Gait Transition on Rough Terrain	Krishnakanth Ajith	1.30-1.45
2	CL 8.2	40	Challenges and software design modifications in GNSS Receiver for tackling signal strength variations under High Rate Conditions for ISRO's re-entry Vehicles	Mohammed Basim A.	1.45-2.00
3	CL 8.3	50	Design of Network Rejoin Policy in Multi - UAVs Flying Ad-hoc Network using Finite Time Convergent Position Control Scheme	Ajmal Jaleel	2.00-2.15
4	CL 8.4	76	Modeling and advanced control strategies for beer fermentation process	Suhailam P.	2.15-2.30
5	CL 8.5	249	Parameter Estimation for Adaptive Control of a Flexible Launch Vehicle	Najiya N.	2.30-2.45
6	CL 8.6	250	Lucas Kanade based Optic Flow for Vehicle Motion Tracking and Velocity Estimation	Gokuldath G.	2.45-3.00