

NCTT 2017

Schedule

Dept : Electrical & Electronics Engineering

Stream	Guidance and Navigational Control
Venue	Research Block Seminar Hall
Date	21/07/2017 Friday
Time	1.30 pm – 4.30 pm

Sl. No.	Paper ID	Title	Authors
1	23	Geostationary Orbit Payload Improvement using Lunar Gravity Assist	Amith M
2	78	Integrated Attitude Stabilization Scheme For Missile Considering Velocity Change	Rajeev A
3	80	Landing Algorithm for a Fixed-Wing UAV	Abhijith M
4	186	Fuel Efficient Guidance Approaches for Mars Powered Descent	Renisha K N
5	193	Modified Fast Adaptive Guidance for Evasive Maneuvering Targets	Aswathy S Babu
6	217	Ground Range Prediction and Guidance of Reusable Launch Vehicle	Chithira Chandran
7	229	Inertial Navigation System Error Estimation Using Optimized Wavelet Analysis	Niseema S B
8	270	Interplanetary Mission Using a Sailcraft with Planetary Gravity Assist	Ann Jimmy
9	282	Design of Control Scheme for an Unpowered Reusable Launch Vehicle in Approach and Landing Phase	Lakshmi C
10	302	Design and Analysis of Sliding Mode Controller for the Dynamic Encirclement of Unmanned Aerial Vehicles	Elsmin George
11	341	Trajectory Design for the Entry Phase of Mars Landing	Ankita Sebastian

Stream	Electrical Machines
Venue	Electrical Block Seminar Hall 1
Date	21/07/2017 Friday
Time	1.30 pm – 4.30 pm

Sl. No.	Paper ID	Title	Authors
1	170	BLDC Motor Drive for an Electric Vehicle	Sreehari K
2	238	Three stage commutation technique for Vibration Mitigation in Switched Reluctance Machines	Parvathy M L
3	358	Design of a Segmental Rotor SRM for Off-Road vehicle applications	K M Abhijith
4	416	Standalone Solar PV Array fed Centrifugal Pump driven by BLDC Motor	Dhanya P S
5	404	Comparison of Conventional and Unique Model of Two-Phase BLDC Motor on Demagnetization.	Nikhitha Vijayakumar
6	408	Self Excited Induction Generator Powered Doubly Fed Induction Machine Drive for Hybrid Electric Vehicle Applications	Gokul G
7	409	PV Charging Battery Driven SRM for Electric Vehicle Application	Divya D
8	413	Canonical switching cell converter based BLDC motor drive with power factor correction	Jojo Joseph
9	31	A MODULAR DC DC CONVERTER WITH MEDIUM FREQUENCY TRANSFORMER FOR POWER CONVERSION IN OFFSHORE WIND FARMS	Ashly Antony
10	69	Torque Ripple Reduction Of Brushless Dc Motor By Minimum Number of Sensors Using Fpga	Abdul Anwar Ahammed
11	362	Current Fed Switched Inverter For Wind Energy Applications	Ashly Davise

Stream	Power Systems
Venue	Electrical Block Seminar Hall 2
Date	21/07/2017 Friday
Time	1.30 pm – 4.30 pm

Sl. No.	Paper ID	Title	Authors
1	57	A Flyback Micro-Inverter With An Adaptive Snubber For Photovoltaic Applications	Betcy Babu
2	91	A Dynamic Current Phasor Estimation Of Harmonic Components In Power Systems	Mariyam Ann Abraham
3	92	Comparative Analysis Of A Self-Activated Self-Synchronized Synchronverter With A Synchronverter Using PLL	Feba Alias
4	117	Integration Of Isolation In Aalborg Inverter For Low Voltage Grid Tied Photovoltaic Application	Sivaramnadh D P
5	231	Fault Current Limiting Dynamic Voltage Restorer	Sruti Pious Chalil
6	244	Transient Recovery Voltage Improvement With Bridge Type Solid State Fault Current Limiter	Abhijith K
7	316	Integrated Vehicle To Grid And Vehicle To Home Technology: Day Ahead Charging Coordination Of Electric Vehicles To Improve Load Profile	Nikhin Krishnan T V

Stream	Control Systems
Venue	Electrical PG Seminar Hall
Date	21/07/2017 Friday
Time	1.30 pm – 4.30 pm

Sl. No.	Paper ID	Title	Authors
1	60	Adaptive Backstepping Controller with PSO and GSA for Attitude Control of Space Robot-Target System	Akhil J
2	65	Tracking Control Strategy for Air-Breathing Hypersonic Vehicles Considering Actuator Dynamics	Anupama V Kumar
3	309	Comparitive Study of Performances of Boost and Buck-Boost Converters with PI and Fuzzy Logic Controllers	Mithila A K
4	322	Design and Analysis of a Quadruple Tank System using MPC	Radhu Chandran
5	326	Attitude Control of a Micro-Satellite using Single Gimbal Control Moment Gyros - A Fourth Higher Order Sliding Mode Control Approach	Durga S