6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: S-11: Power System Operation and Control
Date: July 10, 2020 (Friday)
Time: 11:30– 13:00 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	67	Leena Gautam, Rajesh Kumar and Yog Raj Sood	Identifying Transformer Oil Criticality Using Fuzzy Logic Approach
2.	101	Arpit Bhushan Sharma, Brijesh Singh and Sandeep Tiwari	Intelligent Speed Estimation in Induction Motor Drive Control using Feed - Forward Neural Network Assisted Model Reference Adaptive System
3.	117	Nitesh Kumar Singh, Anshul Agarwal, Tirupathiraju Kanumuri, and Tarun Varshney	A Study of an Inorganic-Organic HTM on the Implementation of Lead based PSC Device
4.	135	Alok Patel, Naveen Sharma, Anuj Banshwar, Bharat Bhushan Sharma and Mohit Pathak	An Evaluation of Different Health Assessment Methods on 50 MVA Power Transformer: A Case Study
5.	263	Banothu Somanna	Effect of Parameter Optimization on the Performance of FSFCL and CB

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
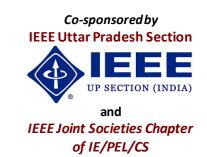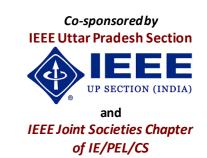
(SCES-2020)

July 10-12, 2020

Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Oral Sessions Paper Presentation Schedule

Session: S-12: RF/Microwave, Antenna and Filters
Date: July 10, 2020 (Friday)
Time: 11:30– 13:00 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	30	Neha Rani and Jayanta Ghosh	Polarization Insensitive Tunable Dual-Band Absorber
2.	50	Shivani Anand, Praveen Kumar Rao and Gagandeep Bharti	Dielectric Resonator Based Composite MIMO Antenna for WLAN /WiMAX Applications
3.	66	Balannagari Ashok Kumar	Design & Simulation of a Compact Multi Band Microstrip Bandpass Filter using C shaped Stub Loaded Resonators
4.	103	Nirjhari Bhavsar	Synthesis of the fractal array using the Newton-Raphson method
5.	136	Navendu Nitin, Jamshed Ansari and Neelesh Agrawal	Inset Fed J Slotted Microstrip Multiband Antenna for WiFi / LTE /WiMAX/ C Band/X Band/Ku Band Applications
6.	139	Mohd Farman Ali, Rajeev Kumar Singh and Rajarshi Bhattacharya	Re-Configurable Graphene-Based Two Port Dual-band and MIMO Antenna for THz Applications

6ᵗʰ STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS

(SCES-2020)

July 10-12, 2020

Organised by

Department of Electrical Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by

IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and

IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-13: Image Processing and Machine Learning**
Date: July 10, 2020 (Friday)
Time: 11:30– 13:00 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	21	Charu Gandhi, Ayushi Gupta, Vartika Katara and Stuti Brar	Real time video monitoring of vehicular traffic and adaptive signal change using Raspberry Pi
2.	47	Shubham Mittal and Soven K. Dana	Gender Recognition from Facial Images using Hybrid Classical-Quantum Neural Network
3.	110	Vartika Sharma and Rajesh Mishra	Reliability Analysis of Multi-State Networks Using Multi-State Binary Decision Diagrams
4.	143	Chinmay Krishnan K C and Sindhu Thampatty K C	Prediction of Sub-synchronous Resonance Oscillations -A Machine Learning Approach
5.	146	Chaudhary Jagrit Varshney, Dhirendra Yadav and Ashish Sharma	Sentiment Analysis using Ensemble Classification Technique

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter
of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-14: Load Forecasting and Power Market**
Date: July 10, 2020(Friday)
Time: 14:00– 15:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	2	Abhishek Srivastava and Dushmanta Kumar Das	A Sailfish Optimization Technique to solve Combined Heat And Power Economic Dispatch Problem
2.	19	Manoranjan Sahoo, Nibha Rani and Tanmoy Malakar	A Solution of Bid-based dynamic economic load dispatch using Competitive Swarm Optimizer approach
3.	71	Umesh Saini, Rajesh Kumar, Vipin Jain and Krishnajith M.U.	Univariant Time Series forecasting of Agriculture load by using LSTM and GRU RNNs
4.	196	Pradeep Kumar Gupta, Dushmanta Kumar Das and Abhishek Srivastava	An Adaptive Class Topper Optimization Algorithm to Solve Ecological Emission Economic Load Dispatch Problem
5.	198	G Rahul Prashanth, Siddharth Suhas Joshi, Dr. Vinay Kumar Jadoun and Anshul Agarwal	Economic Scheduling of Combined Heat and Power Systems Using Whale Optimization Algorithm

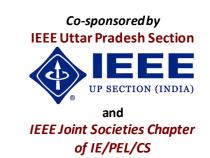# 6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter
of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: S-15: Electric Vehicle Technology and Applications
Date: July 10, 2020 (Friday)
Time: 14:00– 15:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	96	Hruday Vemuri and Jai Govind Singh	Smoothening the Load Profile by Using a Charging Control Strategy of Plug-in Electric Vehicles
2.	186	Neha Singh and Rajesh Gupta	Electric Vehicle Charging with Reactive Power and Harmonic Compensation
3.	204	Mendem Premchand and Satish Kumar Gudey	Solar based Electric Vehicle Charging Circuit in G2V and V2G modes of Operation
4.	215	Sri Sai Phani Srinivasa Chakravarthy Rayudu and Satish Kumar Gudey.	Active Power Factor Correction for Automation of Electrical Vehicle Charging Station Using myRIO
5.	260	Itie Goswami and Sathans Suhag	Energy Management in Electric Hybrid Vehicle with Diverse Power Sources
6.	268	Sakshi Sharma, Bhanu Pratap and Ajit Safai	Development of System Basis Chip FS6500 as Complex Device Driver for Fail Silent and Robust Power Management of Electric Vehicle Inverter

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter
of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-16: AI and IoT Applications**
Date: July 10, 2020 (Friday)
Time: 14:00– 15:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	3	Abhishek Srivastava, Dushmanta Kumar Das and Ravi Kumar	Monitoring of Soil Parameters and Controlling of Soil Moisture through IoT based Smart Agriculture
2.	105	Deep Pujara, Praveen Kukreja and Sachin Gajjar	Design and Development of E-Sense: IoT based Environment Monitoring System
3.	107	Nidhi Ojha and Ashwani Kumar	A Comparison Based Breast Cancer High Microscopy Image Classification Using Pre-trained Models
4.	239	Aditya Vishwakarma, Ankit Sahu, Nadeem Sheikh, Peeyoosh Payasi, Saurabh Rajput and Laxmi Srivastava	IOT Based Greenhouse Monitoring And Controlling System
5.	290	Arya S S, Mahi Teja Talluri and Dr. Karthikeyan V	An IoT Enabled Electric Tricycle Monitoring System

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section
IEEE
UP SECTION (INDIA)
and
IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: S-21: Nano/Micro-Electronics, and VLSI
Date: July 11, 2020 (Saturday)
Time: 16:00– 17:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	26	Keshav Kumar Mishra, Avaneesh Kumar Dubey, Vikrant Varshney and Kamal Prakash Pandey	An Energy Efficient 16T Hybrid-CMOS Full Adder using Novel Full Swing XNOR Logic
2.	39	Purwa Anasane, Sangeeta Palekar and Jayu Kalambe	Development of Programmed Liquid Dispensing Framework for Microfluidics Based Analytical Devices
3.	89	Sameen Gauhar, Adeeba Sharif and Naushad Alam	Comparison of Parallel Prefix Adders Based on FPGA and ASIC Implementations
4.	175	Syed Afzal Ahmad and Dr. Naushad Alam	Analysis of Pocket Tunnel Field Effect Transistor
5.	189	Akhilesh Yadav, Poonam Jindal and Devaraju Basappa	Study And Analysis of RTL Verification Tool

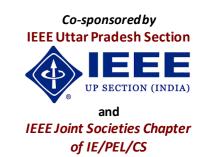# 6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter
of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: S-22: Control and Automation
Date: July 11, 2020 (Saturday)
Time: 16:00– 17:30 (GMT +5:30, Indian Standard Time)

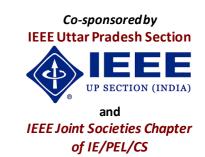| S. No.	Paper ID	Author	Title
1.	99	Aman Joshi, Bharat Bhushan Sharma, Anuj Banshwar, Naveen Kumar Sharma and Mohit Pathak	Acoustic effect generator with graphical user interface: A Simulation Model
2.	129	Vinod Kumar and Sathans Suhag	Comparative Analysis of SSA Tuned 2-DOF PID and PIDF controllers for Reducing the Current Consumption in EPAS System of Electric Vehicles
3.	151	Subrata Narayan Dash, Dinesh D. Dhadekar, Kiran K Mangrulkar and Murali Mohan Gade	Bending Mode Stabilization in Tactical Missiles using Disturbance Observer vs Phase Stabilization Approach
4.	264	Toohina Pandey and Shekhar Yadav	Optimal Control Trajectory of Magnetic Levitation System using Jaya Algorithm
5.	269	Arundhatti Bezbaruah, Bhanu Pratap and Sandeep Hake	Automation of Tests and Comparative Analysis between Manual and Automated Testing

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS

(SCES-2020)

July 10-12, 2020

Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-23: Power System Protection**
Date: July 11, 2020 (Saturday)
Time: 16:00– 17:30 (GMT +5:30, Indian Standard Time)

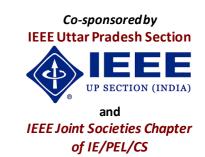| S. No.	Paper ID	Author	Title
1.	112	Shivam Tripathi, Mahiraj Singh Rawat and V G Durgarao Rayudu	Dynamic Voltage Instability Identification of Power System Using Thévenin Equivalent Method
2.	177	Ekta Priyadarshini	Local End Data Based Fault Detection Technique in Transmission Line Using DWT
3.	216	Anshuman Patwa, Tripta Thakur and S. C. Gupta	Voltage Stability Index based Optimal Sizing and Placement of DG
4.	222	Raghvendra Tiwari, Ravindra Kumar Singh and Niraj Kumar Choudhary	A Comparative Analysis of Optimal Coordination of Distance and Overcurrent Relays with Standard Relay Characterstics Using GA, GWO and WCA
5.	252	Tejas M Vala, Vipul N Rajput, Kevin Joshi and Dipayan Guha	Effect of Relay Characteristics in Optimum Coordination of Overcurrent Relays

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

and
IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-24: Mechanical Systems and Mechatronics**
Date: July 11, 2020 (Saturday)
Time: 17:30– 19:00 (GMT +5:30, Indian Standard Time)

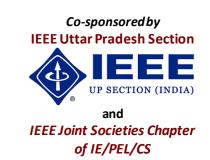| S. No.	Paper ID	Author	Title
1.	98	Dhruv Singh and Ashwini Kumar Yadav	A Comparative Study on Conventional and Green Roofing based on the Exergy Analysis using E-Quest and Open FOAM
2.	171	Isaac John, Amudhan A.N and Sudheer A.P	Kinematic Analysis of a Dual Mode Parallel Manipulator
3.	182	A Sreepathi, A P Sudheer and S Jayaraj	Hydrodynamic Modelling of AUV and Computational Study on Tail Geometry
4.	191	Mithun M Sanjeev, Mervin Joe Thomas, Sunil Kumar T K, Sudheer A P and Joy M L	Determination of Inverse Kinematic Solutions for a 3 Degree of Freedom Parallel Manipulator using Machine Learning
5.	276	Akshita Gupta, Abhinav Shukla, Rahul Yadav, Shubham Mishra, Mamoon Rashid and Sachin Kumar Gupta	Real-Time Hand Gesture Replication System Using 3D Modelling Software

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-25: Power Electronics & Drives-I**
Date: July 11, 2020 (Saturday)
Time: 17:30– 19:00 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	14	Sarathkumar Tirunagaru, Poornanand Maramreddy and Arup Goswami	Modelling and Simulation of Electric Vehicle Drive Through SAEJ227 & EUDC Cycles
2.	27	Chandra Dinesh Kumar, Sai Badini and Vimlesh Verma	Vector Control of PMSM Drive with Single Current Sensor
3.	115	Md Sartaj Ahmed and Ambarisha Mishra	Analysis of 5-Phase IM Drive with Reduced Switch 5-Level Inverter
4.	160	Rubi Kumari, Aamir Haider, Moumi Pandit and Karma Sonam Sherpa	Dual Input Cascaded Converter for High Voltage Gain
5.	179	Samant Kumar Singh, Sourav Bose and Prakash Dwivedi	Closed Loop Control of Z-Source Inverters Involving Composite Partial Pole-Zero Cancellation Strategy

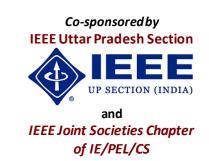# 6ᵗʰ STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section
IEEE
UP SECTION (INDIA)
and
IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: S-26: Renewable Energy and Grid Integration-I
Date: July 11, 2020 (Saturday)
Time: 17:30– 19:00 (GMT +5:30, Indian Standard Time)

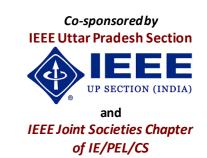| S. No.	Paper ID	Author	Title
1.	15	Arindam Sanyal, Arup Kumar Goswami, Prashant Kumar Tiwari and Sarathkumar Tirunagaru V	A Treatise on Impact of Renewables in the Power Market
2.	38	Deodutta Kumar, Akshit Samadhiya, Kumari Namrata and Sriparna Das	Optimal Design and Technical Analysis of a Standalone Photovoltaic System with Battery Storage for a Residential Site in Jamshedpur, India
3.	53	Yuvraj Praveen Soni and Eugene Fernandez	Regression Modeling of Voltage Profile in an IEEE 9-Bus Radial Microgrid Feeder
4.	82	Shraiya Pant and R. P. Saini	Solar Water Pumping System Modelling and Analysis using MATLAB/Simulink
5.	254	Abinash Gour, K. Lalchuailova, Anurag Tiwary, Subhasish Deb and Subir Datta	Power Loss Minimization by Optimal Placement of Distributed Generation in Radial Distribution System using Atom Search Optimization

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS

(SCES-2020)

July 10-12, 2020

Organised by

Department of Electrical Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and

IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: S-31: VLSI and Optical Communication
Date: July 12, 2020 (Sunday)
Time: 12:00– 13:30 (GMT +5:30, Indian Standard Time)

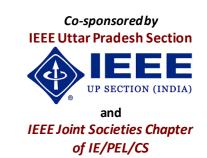| S. No.	Paper ID	Author	Title
1.	48	Km. Shweta Chaudhary, Arpit Singh Yadav, Vijay Shanker Chaudhary and Dharmendra Kumar	Decagonal Chalcogenide Photonic Crystal Fiber for the application of Supercontinuum Generation
2.	97	Om Prakash Goswami, Tarun Kumar Rawat and Dharmendra Kumar Upadhyay	Design of Digital Wideband Integrator Using Optimized Fractional Bilinear Transform and Multirate Technique
3.	128	Anas Ashraf and Partha Saha.	A 2D Slotted Photonic Crystal Cavity-Based Optical Methane Sensor with Increased Selectivity
4.	176	Chhaya Verma, Jeetendra Singh and Girish Wadhwa	Design and Performance Analysis of FD Silicon on Insulator MOSFET
5.	209	Nishant Kumar, Dr. Poornima Mittal and Mudit Mittal	Performance Analysis of FinFET based 2:1 Multiplexers for Low Power Application

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS
(SCES-2020)
July 10-12, 2020
Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and
IEEE Joint Societies Chapter
of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-32: Filters Embedded Systems and Wireless Communication**
Date: July 12, 2020 (Sunday)
Time: 12:00– 13:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	62	Neha Bhusari and Kishor Bhurchandi	Soccer Ball Position Data Set Modelled To Scaled Exponential Distribution
2.	158	Shruti Jain and Dharmendra Kumar Upadhyay	Design of Fractional-order Notch Filters
3.	165	Deepika Rajpoot and Pankaj Verma	Optimization of Number of Secondary Users in CSS for Maximizing the Spectrum Utilization
4.	218	Sourabh Sagar, Sonam Yang Chan, Tarun Pal and Poornima Mittal	Designing and Parametric Extraction of Low Pass Filter using Metamaterials
5.	248	Savita Srivastava, Atul Kumar Dwivedi and Deepak Nagaria	Low Complexity FIR Filter Design using Biogeography Optimization Algorithm and its Improved Version
6.	291	Devarshi Shukla and Saumya Tripathi	Single VDTA Based Electronically Tunable Biquard Filter Design

6ᵗʰ STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS

(SCES-2020)

July 10-12, 2020

Organised by

Department of Electrical Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and

IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-33: Power Electronics & Drives-II**
Date: July 12, 2020 (Sunday)
Time: 12:00– 13:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	180	V S Prasadarao K, Sankar Peddapati and S V K Naresh	A Single Phase Seven-level MLI with Reduced Number of Switches Employing a PV Fed SIMO DC-DC Converter
2.	185	S.V.K. Naresh, Sankar Peddapati and V S Prasadarao K	Comparison of Double Gain Continuous Input Non-Isolated Boost Converters
3.	207	Rheesabh Dwivedi, Sanjeev Singh and Bhim Singh	A Single Phase Modified Bridgeless Single Ended Primary Induction Converter Based EV Battery Charger with Enhanced Power Quality
4.	226	Anem Y V B N Sujith Naidu, Vadthya Jagan, Sonia Srinivas and Viswanatha Sharma C	Modified High Boost Quasi Z-Source Inverter with an Active Switched Network
5.	234	Piyush Patel, Ankit Kumar Yadav, Prabhakar Tiwari and Rakesh Maurya	Performance Investigation of Three-Level Boost Converter for Maximum Power Point Tracking
6.	241	Abhishek Kumar, Prakash Dwivedi and Sourav Bose	Design and Analysis of Buck Converter Using Sliding Mode Approach

6th STUDENTS' CONFERENCE ON ENGINEERING & SYSTEMS

(SCES-2020)

July 10-12, 2020

Organised by

Department of Electrical Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India

Co-sponsored by
IEEE Uttar Pradesh Section

IEEE
UP SECTION (INDIA)

and

IEEE Joint Societies Chapter of IE/PEL/CS

Oral Sessions Paper Presentation Schedule

Session: **S-34: Renewable Energy and Grid Integration-II**
Date: July 12, 2020 (Sunday)
Time: 12:00– 13:30 (GMT +5:30, Indian Standard Time)

S. No.	Paper ID	Author	Title
1.	85	Ankit Ranjan, Abhijeet Singh and Manish Kumar	Effects of pH Change on the Operation of Electrolyzer and Fuel Cell
2.	88	M. Faizan Nomani, Swaroop Devaraju and Bhavnesh Kumar	Photovoltaic Cells Rearrangement using Meta-heuristic Optimization Techniques for Shade Dispersion
3.	194	Mukul Chankaya, Ikhlaq Hussain and Aijaz Ahmad.	AdaGrad based Control for Grid-Tied Battery Fuel Cell System
4.	199	Nipun Sharma, Piyush Jha, Dr. Vinay Kumar Jadoun and Anshul Agarwal	Optimal Scheduling of Grid Connected Microgrid Using PSO in Dynamic Pricing Environment
5.	238	Himani Kala and Mahiraj Singh Rawat	Optimal Probabilistic Power Flow in AC-DC Hybrid Microgrid