

ICECON 2019 CONFERENCE SCHEDULE

DAY 1 20th DECEMBER 2019 (Friday)

8.30 AM	REGISTRATION		
9.30 -10.30 AM	Invited talk – I by Dr. Justin Dauwels, NTU, Singapore Title: Artificial Intelligence for Applications in Neurology Venue: A13 Hall		
10.30-10.50AM	Tea Break		
11.00AM -12.30 PM	Paper Presentation Session (I & II)		
Session A1 Theme: Instrumentation Venue: A13 Hall		Session A2 Theme: Process Control Venue: A12 Hall	
Session ID/ Paper ID	Title	Session ID/ Paper ID	Title
	Author & Affiliation		Author & Affiliation
ICECONA101/ ICECON010	Meandered Broadband Vibration Energy Harvester. S.Arutselvi, D.Ezhilarasi, GallaDivyanshi, AnuradhaNayak, T.S.V.Krishna Sai, Department of Instrumentation and Control Engineering, NIT Trichy.	ICECONA201/ ICECON001	Bat Algorithm based Centralized PI Controller for a Nonsquare Multivariable System with RHP Zeros. Sivagurunathan.G, Kotteeswaran.R, Suresh.M, Electronics and Instrumentation Engineering, St.Joseph's College of Engineering OMR, Chennai.
ICECONA102/ ICECON070	Design, Simulation and optimization of structural modification vibrational energy harvesting system. S Srinivasulu Raju, S Sumanth, V Pradeep, Department of EIE, V R Siddhartha Engg College, Vijayawada.	ICECONA202/ ICECON052	Comparative Analysis between Various Controllers for Real Time Temperature Process using Siemens S7-1200 PLC. S Nagarjuna Chary, B Gautam, K Vijaychandra VNR VJIET Hyderabad.

ICECONA103/ ICECON071	Temperature Monitoring in Oil Immersed Transformer using PMMA based Fibre Bragg Grating Sensor. S.Ponmalar,D.Pon Sheila,M.RajaGomathi, S.T.Susmeena, Dept of ECE, Thiagarajar College of Engineering, Madurai.	ICECONA203/ ICECON079	Tracjectory Planning and Obstacle Avoidance for cascaded PD controlled Quadrotor. HimadriPoddar, D. Ezhilarasi Dept of ICE, NIT, Trichy.
ICECONA104/ ICECON078	Performance Analysis of Visible Light Communication using OFDM-NOMA. S. Ponmalar, J.J. Shiny, Department of ECE, Thiagarajar College of Engineering, Madurai.	ICECONA204/ ICECON007	Comparison of autotuning methods of PI controllers for TITO Systems D.Kalpana, M.Chidambaram Department of Instrumentation Engineering, MIT Campus, Anna University Chennai. Department of Chemical Engineering, National Institute of Technology, Warangal Telangana.
ICECONA105/ ICECON083	Instrumentation Network for Assessment of Impact on Operator due to Weapon Firing – An Approach Paper. Lakshmi Prasanna M, Shiladitya Bhowmik, PVRR Bhogendra Rao, V S N Murthy A and Ramakalyan Ayyagari, Defense Research and Development Laboratory, Hyderabad. Dept of ICE, NIT, Trichy.	ICECONA205/ ICECON090	Control of DO in an Activated Sludge Process. Muthukumar K, Chiranjit Dutta, Dept. of Chemical Engineering, NIT Trichy.
ICECONA106/ ICECON009	Self sensing electronics for smart Coriolis flow meter R. M. Saravanan, Christ W. Raj, Shanmugavalli. M Dept. Mechanical Engineering, Trichy Engineering College, Tiruchirappalli. Shri Angalamman College of Engineering, Tiruchirappalli. Department of ICE, Saranathan College of engineering, Tiruchirappalli.	ICECONA206/ ICECON093	Multi-model Control of Nonlinear Processes - A Fractional Order Filter based Approach. A.Adithya, G. Maruthi Prasad, A.Seshagiri Rao, Department of Chemical Engineering, NIT Warangal.
12.30- 2.00 PM	LUNCH		

2.00 – 3.00 PM	INVITED TALK – II by Dr. Kallol Roy Chairman & Managing Director, Bharatiya Nabhikiya Vidyut Nigam Limited (Government of India Enterprise), Department of Atomic Energy, Kalpakam Venue: A13 Hall			
3.00 – 3.20 PM	TEA BREAK			
3.30 – 5.00 PM	Paper Presentation Session (III & IV)			
Session B1		Session B2		
Theme: Biomedical Instrumentation and Analysis Venue: A13 Hall		Theme: Electronics and Signal Conditioning Venue: A12 Hall		
Session ID/ Paper ID	Title	Session ID/ Paper ID	Title	
	Author & Affiliation		Author & Affiliation	
ICECONB101/ ICECON013	Patient Independent Neuro-Fuzzy System to detect the Electrical onset of Seizure. Rahul AtulBhope, Sridervi, Department of Instrumentation and Control engineering, NIT, Trichy.	ICECONB201/ ICECON011	Solid state circuit breaker with inrush current limiting functions for DC residential homes. N.Aranganathan, J. Jude Prakash, G SaravanaIlango, Department of Electrical and Electronics Engg, National Institute of Technology Trichy.	
ICECONB102/ ICECON032	Comparison of Performance Measures of Machine Learning Algorithms on cardiocography. Rajeswari K, Hari Karthik V, Aswin S, Department of Electronics and Communication Engg, Thiagarajar College of Engineering, Tamil Nadu.	ICECONB202/ ICECON020	Multi-Function Fractional Filter using FDCCII John Vista, Navnit Kumar, Prena Rana, Ashish Ranjan, Dept of ECE, NIT, Manipur, Imphal.	
ICECONB103/ ICECON038	Develop An Energy Harvesting Technique For Wearable Biomedical Devices. Dhanusa Sri Sudhagaran, D. GraciaNirmala Rani Department of Electronics and Communication, Thiagarajar College of Engineering, Madurai,	ICECONB203/ ICECON037	Design and Analysis of Low Pass Filter for 5G Communication M.Geetharani, C.Mahendran, M.Vijayaraj Department of ECE , AlagappaChettiarGovt.College of Engg. &Tech, Karaikudi Department of ECE, Govt.College of Engg, Srirangam – Trichy.	

ICECONB104/ ICECON087	Determination of relative Oxy and DeOxyhemoglobin concentration changes in normal and diabetic without neuropathic foot using Multispectral Near-Infrared System. M.Brindha, R.Periyasamy, Dept of ICE, NIT, Trichy.	ICECONB204/ ICECON073	Throughput Maximization in Full Duplex Amplify and Forward Relay Networks Using Joint Relay and Antenna Selection. Merline G, E.Murugavalli, Dept of ECE, Thiagarajar College of Engineering, Madurai.
ICECONB105/ ICECON088	Relative performance of LMS and NLMS filter for Noise Cancellation in Wheeze sound. B.Sangeetha, R Periyasamy, Department of Instrumentation and Control Engineering, National Institute of Technology, Tiruchirappalli.	ICECONB205/ ICECON092	Enhanced Power Output with Minimum Output Ripple Buck Converter. J. Jude Prakash, N.Aranganathan, , G SaravanaIlango, Department of Electrical and Electronics, National Institute of Technology Trichy.
ICECONB106/ ICECON089	Minisun IDEEA Life Gait For Gait Analysis. Avanish Kumar Singh, K.Arunganesh, N.Sivakumaran, S.Kumaravel Department of Instrumentation and Control Engineering NIT Trichy. Department of Orthopaedics, Thanjavur Medical College, Thanjavur.		
6.15 - 9.15 PM	Dinner		
DAY 2			
21stDECEMBER 2019 (Saturday)			
9.30 – 10.30 AM	Invited talk – III by Dr.Asan G. A.Muthalif Department of Mechanical and Industrial Engineering, College of Engineering, Qatar University Title: Magnetically coupled piezoelectric energy harvester to optimize output voltage and bandwidth Venue: A13 Hall		

10.30 – 10.50 AM	TEA BREAK			
11.00 AM – 12.30PM	Paper Presentation Session (V & VI)			
Session C1		Session C2		
Theme: Control and Computation Venue: A13 Hall		Theme: Applied Instrumentation Venue: A12 Hall		
Session ID/ Paper ID	Title	Session ID/ Paper ID	Title	
	Author & Affiliation		Author & Affiliation	
ICECONC101/ ICECON077	Temperature Control Strategy of an Advanced Fighter Aircraft Environmental Control System. A.Sathiyaseelan, V. Arul Mozhi Selvan Aircraft Research and Design Centre, Hindustan Aeronautics Limited Bengaluru. Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli.	ICECONC201/ ICECON043	Analysis and Optimization of Housing of Pillow Block Bearing Casting. Pranesh A. Salagarkar, Kedar H. Inamdar Dept. of Mechanical Engineering, Walchand college of Engineering, Sangli, Maharashtra.	
ICECONC102/ ICECON082	Detection and Tracking of Targets using Deep Learning Techniques V S N Murthy A, P V R RBhogendra Rao, Chandrakanth V, Ramakalyan Ayyagari Defense Research and Development Laboratory, Ministry of Defense, Hyderabad Dept of ICE, NIT, Trichy	ICECONC202/ ICECON063	Analysis of 3D Printed Pattern and Conventional Pattern by experiment. Pradip B. Navale, Kedar H. Inamdar Dept. of Mechanical Engineering, Walchand college of Engineering, Sangli, Maharashtra.	
ICECONC103/ ICECON040	Design And Implementation of Power Efficient S-Boxes For Cryptographic Applications. Shanmugapriya.S, S. Rajaram, Dept of ECE, Thiagarajar College of Engineering, Madurai.	ICECONC203/ ICECON076	Automatic Scoring of Immunohistochemical Cells Using Adaptive Local Thresholding and Separation Technique. S.Rathi,A.Banumathi, Dept of ECE, Thiagarajar College of Engineering, Madurai.	
ICECONC104/ ICECON006	Robust beam forming for wireless information and power transmission in secrecy MISOME system. Muthu Mari, G Ananthi,	ICECONC204/ ICECON064	Implemntation of Sequence control logic for steam generator tube leak and protection system of PFBR. V.Dheepa, S.Rajan, S.Narasimhan, A.AlluAnanth BHAVINI, Kalpakkam.	

	Department of Electronics and Communication Engg, Thiagarajar College of Engineering, Madurai.		
ICECONC105/ ICECON012	Design and real-time implementation of micro-controller based enhanced digital PID control for lead acid battery charger. V Arun Thomas, K. Srinivasan, Department of Instrumentation and Control Engg, NIT, Trichy.	ICECONC205/ ICECON098	Controlling mixing efficiency and chavotic advection using surface roughness in a passive PDMS microfluidic mixer. T. Pravinraj, Rajendra M Patrikar Department of Instrumentation and control Engineering, National Institute of Technology- Trichy. Center for VLSI and Nano technology, VNIT, Nagpur.
12.30 – 2.00PM	LUNCH		
2.00 – 3.00 PM	INVITED TALK – IV by Dr. M CHIDHAMBARAM Professor (Retd.), Dept. of Chemical Engineering, IIT Madras & Emeritus Professor, NIT Warangal and Former Director NIT-Trichy Title: Tuning of Multivariable PID Controller for Unstable Systems Venue: A13 Hall		
3.00 – 3.20 PM	TEA BREAK		
3.30 – 4.30 PM	Paper Presentation Session (VII & VIII)		
Session D1 Theme: Electronics and Signal Processing Venue: A13 Hall		Session D2 Theme: Soft sensing, Estimation and Computing Venue: A12 Hall	
Session ID/ Paper ID	Title	Session ID/ Paper ID	Title
	Author & Affiliation		Author & Affiliation

ICECOND101/ ICECON072	Coupled field magnetic and thermal analysis of cross-linked polyethylene insulated underground power cable Using ANSYS APDL. K.Vijayakumar, A. Joseph Basanth, S. John Powl, T. Arulkumar, G. Satheeshkumar Electrical Engineering, SSMIET, Dindigul Electrical Engineering, AU Campus, Dindigul Electrical Engineering, SMVEC, Puducherry	ICECOND201/ ICECON050	Efficient Electromyographic Hand Gesture Signal Classification Using Machine Learning Algorithm Based On Bispectrum Feature. Deepa Nair, R.Rajapaiya, K.Rajeswari, Thiagarajar College of Engineering, Madurai.
ICECOND102/ ICECON023	Probability Mapping of Human Skin using Multilayer Perceptron. Purushothaman P, S Deivalakshmi, Electronics & Communication Engineering, National Institute of Technology, Tiruchirappalli.	ICECOND202/ ICECON045	A compact-structured Convolutional Neural Network for Single Image Denoising and Super-Resolution. Gadipudi Amaranageswarao, S.Deivalakshmi, Dept of ECE, NIT,Tiruchirappalli.
ICECOND103/ ICECON084	Time Series Modelling Of A White Noise Signal–A Comparative Study. RashmiAnnamma George, R.Periyasamy Dept of ICE, NIT, Trichy.	ICECOND203/ ICECON014	Soft sensing based Online measurement of Backlash in CNC Servo systems. P. Chandrasekar, K. Srinivasan, Department of Instrumentation and Control engineering, NIT, Trichy.
ICECOND104/ ICECON109	Microservices based Emergency alert system using IOT. A. Kalaichelvan, Sekar C, M. Brindha, N. Sivakumaran, CDAC, Trivandrum. Dept. of ICE, National Institute of Technology, Tiruchirappalli.	ICECOND204/ ICECON060	Estimating the Parameters of Third Order Fuel Cost Function for Thermal Generating Units Including Valve-Point Effects Using Self Tuned Differential Evolution Algorithm. R.Balamurugan, Department of Electrical and Electronics Engineering, Government College of Engineering Sengipatti, Thanjavur.
ICECOND105/ ICECON113	Passive wireless RFID sensor for detection of mango ripeness. Deepak Rana, C. Geetha Dept. of ICE, National Institute of Technology, Tiruchirappalli.	ICECOND205/ ICECON049	Deep Dilated Convolutional Network for Single Image Dehazing. Gadipudi Amaranageswarao, Thota Sasirekha, TorlikondaVenkat Rao, S.Deivalakshmi, Dept of ECE, NIT,Tiruchirappalli.

ICECOND106/ ICECON114	Smart transparent toll system with IOT block chain and AI. K Mohanarangan, P Palaniswamy Nokia networks pvt ltd Bangalore Dept. of ECE, National Institute of Technology, Tiruchirappalli.	ICECOND206/ ICECON112	Speech Emotion Recognition Using Learning Algorithms For Emergency Response Support System. A. Kalaichelvan, Nimmi K, B. Janet, N. Sivakumaran CDAC, Trivandrum Dept. of ICE, National Institute of Technology, Tiruchirappalli.
4.30 – 5.15 PM	CERTIFICATE DISTRIBUTION AND FEEDBACK		