

School of Electronics Engineering, KIIT(DU)

Report of Workshops/ Conference/Seminar/Webinar

The school periodically organizes different types of workshops, seminar, conference of national and international types so as to impart new skill set to the students, faculty members. In this process persons of national and international repute are invited to give the talk on various emerging technology of electronics and Communication filed.

**3RD INTERNATIONAL CONFERENCE ON
COMMUNICATION, CIRCUITS AND SYSTEMS (IC3S 2020)
KIIT DU, BHUBANESWAR, INDIA**

IC3S 2020 WILL BE HELD IN VIRTUAL MODE

Day-1 (Friday, 16/10/2020)

Events

10.00 - 11.00 AM

Inaguration

Session I

Plenary Talk I: 11.30 AM -1.00 PM, Speaker: Prof. Ajoy Kumar Ray, Padma Shri, Director JISIASR Kolkata

4 - 5.30 PM	Track 1		Track 2		Track 3	
	Meeting id	uud-jvwg-qma	Meeting id	mti-sjdd-tnh	Meeting id	fmp-bdtd-zww
	Intelligent Computing		VLSI & Embedded System		Advances in Communication Engineering	
	6 papers		5 papers		6 papers	
	Chair: Prof. B. Pati, RD University, BBSR		Chair: Dr. P. Karuppanan, MNIT Jaipur		Chair: Dr. B. Patnaik, IIIT Bhubaneswar	
	Co-chair: Dr. Tejaswini Kar		Co-chair: Dr. J.K. Das		Co-chair: Dr. Anupama Senapati	
	Paper ID:	Paper Title	Paper ID:	Paper Title	Paper ID:	Paper Title
		Comparison between LSTM and RNN 17 Algorithm for Speech to Speech Translator		Interactive and Non-Interactive Control Based Lossless Grounded Negative Inductance Simulator Using Current 18 Differencing Buffered Amplifier		COPLANAR WAVE GUIDE FED DUAL BAND ANTENNA LOADED WITH METAMATERIAL 47 SPLIT RING RESONATOR
		Detecting diseased leaves using Deep 34 Learning		Design of Low Power Multipliers using 50 Approximate Compressors		Automation of Soil nutrient measurement 79 system and irrigation control
		Performance Evaluation of different Machine Learning Techniques for 60 Detection of Non-technical Loss		Performance Evaluation of Perovskite Solar 83 Cells at Elevated Temperatures		Design and Development of a Ultra- Wideband Millimetre-Wave Antenna for 95 Short-Range High-Speed Communication
		An Overview with current advances in 63 Industrial Internet of Things (IIoT)		Crosstalk Noise reduction in long wire 97 interconnects using MTCMOS repeaters		Design and analysis of PZT based 117 piezoelectric speakers
		Blockchain Enabled and Changeable Threshold based Group Specific Multiple 86 Keys' Negotiation		Design T-Shape Piezoelectric Cantilever Beam using Finite Element Methods Using 110 SCI-LAB & COMSOL		Hardware design of a turbo product code 125 decoder
		Academic Students Attendance System: A 5 case study of Alexa skill development				Intensification of Bandwidth, Return Loss and Gain of Ultra Wide Band Microstrip Antenna with Single Band Notch (U-Slot) 137 Characteristics

All the sessions except inaguration will be through Google Meet

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Day-2 (Saturday, 17/10/2020)

Session II

Time	Events					
Plenary Talk II: 11.30 am -1.00 pm Speaker: Prof. Raja Datta, Indian Institute of Technology Kharagpur						
9.30-11 AM	Track 1		Track 2		Track 3	
	Meeting id	uud-jwvg-qma	Meeting id	mti-sjdd-tnh	Meeting id	fmp-bdtd-zww
	Signal Processing		Intelligent Computing		Advances in Communication	
	6 papers		7 papers		6 papers	
	Chair: Prof. Mihir Mohanty, SOA DU		Chair: Prof. N. Londhi, NIT Raipur		Chair: Prof. Biabaswata Mohapatra, Galgotia University	
	Co-chair: Dr. Sananda Kumar		Co-chair: Dr. Vimal Srivastava		Co-chair: Dr. Sraddhanjali Mohapatra	
	Paper ID:	Paper Title	Paper ID:	Paper Title	Paper ID:	Paper Title
		Block based Local Binary Pattern for Recognition of Handwritten Odia Numerals 58		Speech to sign language conversion using Neuro Fuzzy Classifier 89		Design of Multi-Utility Bottleneck Horn Antenna for Ku, K, and Ka-Band Applications. 138
		Video Indexing Through Human Face 64		Prediction of speed for smart insulin pump utilizing Adaptive Neuro Fuzzy Inference System and ANN 102		Signal Propagation Modeling on the Inner Surface of Human Arm 150
		Acquisition and Analysis of Skin Impedance in Parkinson's Disease 66		Curvelet Transform and ISODATA Thresholding for Retinal Vessel Extraction 108		Energy and Direction Aware Routing Protocol for Flying Ad hoc Networks 161
	Implementation of Transfer Learning Technique for the Detection of Covid-19 85		Intelligent Analysis of X-ray Images for Detecting Bone Abnormality in Upper Extremities 123		Lobe Correction of a Miniaturized Microstrip Antenna using SIW Cavity 198	
	A comparative analysis of BTC variants 96		Intelligent Analysis of X-ray Images for Detecting Bone Abnormality in Upper Extremities 123		Multiband Ultrathin terahertz metamaterial absorber for sensing application 212	
	GPS and GSM enabled Smart Blind Stick 99		Swarm Optimization of Multiple UAVs for Resource Allocation in Humanitarian Aid and Disaster Relief Operations 124		MIMO OFDM OUTDOOR CHANNEL ESTIMATION USING SPARSE MOMENTUM FRACTIONAL ADAPTIVE FILTER 219	
			Multiple Object Detection and Tracking using Deep Learning 127			

Session III

Plenary Talk III: 4.30 -6.00 PM, Speaker: Prof. Sherif Sherif, University of Manitoba, Canada

Time	Events					
Plenary Talk III: 4.30 -6.00 PM, Speaker: Prof. Sherif Sherif, University of Manitoba, Canada						
2.30- 4.00PM	Track 1		Track 2		Track 3	
	Meeting id	uud-jwvg-qma	Meeting id	mti-sjdd-tnh	Meeting id	fmp-bdtd-zww
	Signal Processing		Intelligent Computing		Control	
	7 papers		6 papers		6 papers	
	Chair: Prof. Malay Hota, VIT		Chair: Prof. S. Sahoo, SOA DU		Chair: Dr. Avadh Pati, NIT Silchar	
	Co-chair: Prof. Sarita Nanda		Co-chair: Prof. B.N. Rao		Co-chair: Dr. Sunil Mishra	
	Paper ID:	Paper Title	Paper ID:	Paper Title	Paper ID:	Paper Title
		Drowsiness and Yawn Detection System using Python 119		Blood Donation Management System using Android Application 130		Energy Storage system analysis and optimization for photovoltaic based Pico Hydro system in remote village 35
		Comparative Study of Skin Lesion Segmentation and Feature Extraction in Different Color Spaces 140		Reinforcement Learning for Improving Coherence of Multiturn responses in Deep Learning Based Chatbots 134		Harmony Search Optimization based Direct Estimation of Harmonic Components 187
		Detection of Brain Tumor from MR images using BWT and SOM-SVM with Authentication 152		Cyberbully Detection Using 1D-CNN and LSTM 139		Di-zeta converter based solar-wind generating system with a novel SMES-Battery hybrid energy management 188
	Wavelet Transform For Signal Compression In Sparse Algorithms 155		Recognition Of Handwritten Digit In Free Space 142		Invasive Weed Optimized Drift Parameter involved Differential Protection Scheme 191	
	Extracellular Conductivity and Nerve Signal Propagation: An Analytical Study 174		Performance Evaluation based on Classification of Web Log Data: A Machine Learning Approach 157		EBN-Net: A Thermodynamical Approach to Power Estimation Using Energy-based Multilayer Perceptron Networks 176	
	Performance Comparison of LSTM Models for Speech Emotion Recognition 185		Classification and Analysis of Water Quality using Machine Learning Algorithms 171		Exploring Novel Techniques to Detect Aberration from Metal Surfaces in Automobile Industries 21	
	Implementation of Low-cost and Low-Power based Temperature and Air-Quality Monitoring System for a Local Area in Odisha 14					

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Day-3 (Sunday, 18/10/2020)

Session IV

Events

**Plenary Talk IV: 11.30 am - 1.00 pm, Dr. C. P. Ravikumar, Technical Director, Texas Instruments
Co-ordinator: Prof. S.P. Kar Meeting ID: uby-jkej-xcn**

9.30 - 11 AM	Track 1	Track 2	Track 3
Meeting id	uud-jvwg-qma	Meeting id	mti-sjdd-tnh
	Intelligent Computing		mti-sjdd-tnh
	5 papers		Signal Processing
	Chair: Prof. Sukanta Bisoi, CVRCE		5 papers
	Co-chair: Prof. Sruti Singh		5 papers
	Chair: Prof. P.K. Biswal, IIIT BBSR		VLSI and Embedded Systems
	Co-chair: Prof. S. P. Kar		5 papers
	Chair: Dr. Arighna Deb		5 papers
Paper ID:	Paper Title	Paper ID:	Paper Title
183	Deep Convolutional Neural Network based Knee Injury Classification using Magnetic Resonance Imaging	196	Breast Cancer Detection and Classification Employing Convolutional Neural Networks and Support Vector Machine for Histopathological Images
207	Augmented Reality as a Supported Educational Method for Embedded Devices, and Technology	208	Reweight Zero Attracting Modified Variable Step Size Continuous Mixed p-norm Algorithm for Identification of Sparse System against Impulsive Noise
210	A Semantic based Information Retrieval System	213	Frequency Estimation using Adaptive Algorithm
232	Optimal Design of Microwave Filter using Conventional and Random Drift Particle Swarm Optimization Algorithms	215	An Improved Ridge Regression based Extreme Learning Machine for the Prediction of Diabetes
164	Performance Comparison of Tree-Based Machine Learning Classifiers for Web Usage Mining	225	Real time electromyographic hand gesture signal classification using machine learning algorithm based on bispectrum feature
			144 An Area-Efficient 1.23 V Current-Mode Bandgap Reference with Start-Up Circuit
			147 Design Of AlGaAs / InGaAs / GaAs based PHEMT For High Frequency Application
			190 Design and Implementation of Mixed Signal ASIC- Event Logger in TSMC 0.18µm CMOS Technology
			200 Implementation of Custom DRC in TSMC 0.18µm for Optimized Layout
			205 Design of Current Mode MOS Logic for Low Power Digital Applications

Valedictory function at 1:00 PM

Meeting ID: uud-jvwg-qma

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