



ICACC-2019

Program Schedule



NOVEMBER 06 TO 08, 2019
RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY
Kochi, Kerala

6th November 2019 (Wednesday)

Venue: Rajagiri School of Engineering & Technology, Kakkanad

<https://www.rajagiritech.ac.in>

09:00AM	Registration		
9:30AM – 10:35AM	ICACC Inaugural Event		
10:35AM-10:45AM	TEA BREAK		
10:45AM-11:45 AM	Conference Keynote 1 Topic : " Design Science in Information Systems " Dr Blooma John , University of Canberra.		
11:45PM – 1:00PM	Technical Sessions		
	Venue: Multimedia Hall	Venue: Sunya Lab	
	Data Analytics-1 (DA-1) Chair: Dr. Varghese Paul	Image Processing-1 (IP-1) Chair: Dr. E.R. Vimina	
1:00PM – 2:00PM	LUNCH		
2:00PM – 3:00PM	Conference Keynote 2 Topic : Big data analytics and Metrics Mr. Thomas Sebastian, Solution Architect in Big data, Tata Consultancy Services		
3:00PM – 3:15PM	TEA BREAK		
3:15PM – 4:30PM	Technical Sessions		
	Venue: DEC Library Data Analytics-2 (DA-2) Chair: Dr. Daleesha M. Viswanathan	Venue: Multimedia Hall Network & Communication Systems (NCS) Chair: Dr. Deepa Elizabeth George	Venue: Sunya Lab Smart Technologies (ST-1) Chair: Dr. Binsu C. Kovoov

7th November 2019 (Thursday) – ICACC-2019 Venue: Rajagiri School of Engineering & Technology (RSET), Kochi https://www.rajagiritech.ac.in			
9.00 AM	Registration		
9:30AM – 10:30AM	Conference Keynote 3 Topic: Accelerating Deep Learning Using FPGAs Dr. Nalesh S, Cochin University of Science & Technology		
10:30AM – 10:45AM	TEA BREAK		
Technical Sessions			
10.45AM-12.15PM	Venue: Multimedia Hall	Venue: DEC Library	Venue: Sunya Lab
	Antenna & Cognitive Radio Design (ACRD) Chair: Dr. Rithu James	Image Processing-2 (IP-2) Chair: Dr. Abraham Thomas	Smart Technologies (ST-2) Chair: Dr. Jayanthi V.S.
12:15AM – 1:30PM	LUNCH		
Technical Sessions			
1:30PM – 4:00PM	Venue: DEC Library	Venue: Multimedia Hall	Venue: Sunya Lab
	Data Analytics-3 (DA-3) Chair: Dr. Sherly K.K.	Natural Language Processing (NLP) Chair: Dr. Sreeraj M.	Electrical Chair: Dr. Elizabeth Rita Samuel

8th November 2019 (Friday) – ICACC-2019

Venue: Rajagiri School of Engineering & Technology (RSET), Kochi

<https://www.rajagiritech.ac.in>

9.00 AM

Registration

9:30AM –
3:30PM

Post Conference Workshop

High Speed data Networks using MPLS

By Mr. Naveen Lakshmanan, Solution Architect, Protocol14 Technology Solutions

DAY1: November 6th 2019

SESSION1

Data Analytics-1 (DA-1)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_71	CNJC:A cumulative similarity measure for Link Prediction in social networks	Jagadishwari V	Date: 06/11/2019 Time: 11:45 AM – 1:00 PM Venue: Multimedia Hall Chair: Dr. Varghese Paul
2	ICACC_168	Performance Comparison of Phoneme Modeling using PNCC and RASTA-PLP Features with various Optimization Algorithms for Neural Network Architectures	DARSHANA DENNY	
3	ICACC_161	Alzheimer's Disease Classification Using Deep Convolutional Neural Network	Blessy C Simon	
4	ICACC_120	Accurate and Efficient Copy-Move Forgery Detection	Nidhi Anna Kurien	
5	ICACC_112	EVASION ATTACKS ON SVM CLASSIFIER	MARIA	
6	ICACC_43	Performance Analysis of Convolutional Neural Network Models	Kala S	
7	ICACC_196	A methodology for Short-term Electric Power Load Forecasting	Smithu Izudheen	

Image Processing-1 (IP-1)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_172	Plants Stress Response Detection by Selecting Minimal Bands of Hyperspectral Images	MILTON MONDAL	Date: 06/11/2019 Time: 11:45 AM – 1:00 PM Venue: Sunya Lab Chair: Dr. E.R. Vimina
2	ICACC_86	Harvestable Black Pepper Recognition Using Computer Vision	Shelbi Joseph	
3	ICACC_187	ROBUST REVERSIBLE IMAGE DATA HIDING SCHEME WITH SYMMETRIC KEY CRYPTOGRAPHY	GANDI INDRAMOHAN	

4	ICACC_160	A Novel Method for Lung Nodule Classification in CT Images Using Convolutional Neural Network	Gilu K Abraham	
5	ICACC_179	Highly accurate HEp-2 Specimen Image Segmentation and Classification using LBP and HoG using CNN classifier	Manju C C	
6	ICACC_194	An Adaptive Image Zooming Technique with the aid of correlation matrix and hybrid interpolation	Lisha P P	
7	ICACC_83	SAR target identification using SAR-COM technique	ANIL RAJ J	

SESSION2

Data Analytics-2 (DA-2)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_174	Performance Comparison of Phoneme Modeling using MFCC and IHCC Features with various Optimization Algorithms for Neural Network Architectures	Beneeta Rozario	Date: 06/11/2019 Time: 3:15 PM – 4:30 PM Venue: DEC Library Chair: Dr. Daleesha M. Viswanathan
2	ICACC_190	Performance Improvement of Deep Learning Architectures for Phonocardiogram Signal Classification using Fast Fourier Transform	Gopika P	
3	ICACC_107	Quantitative Volume Measurement of Brain Tumor for Treatment and Planning	Ahammed Muneer K V	
4	ICACC_175	Disaster Management From Social Media Using Machine Learning	Dheeraj Nair	

Network & Communication Systems (NCS)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_38	AN APPROACH TO OPTIMIZE H-LEACH FOR EFFICIENT CLUSTERING IN WSN	Aashif Aza	Date: 06/11/2019 Time: 3:15 PM – 4:30 PM Venue: Multimedia Hall Chair: Dr. Deepa Elibabeth Geoge
2	ICACC_148	A novel filter design for multicarrier modulation in massive MIMO	Sruthi S	
3	ICACC_26	Performance evaluation of 5G waveforms: UFMC and FBMC-OQAM with Cyclic Prefix-OFDM System	Reshma Ravindran	
4	ICACC_126	FPGA Based Low Power OFDM Transceiver For 60GHz millimeter Wave Wireless Communication Systems	JINI R S	

Smart Technology (ST-1)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_45	ECG System as Smartphone Peripheral	Partho Sarothi Dey	Date: 06/11/2019 Time: 3:15 PM – 4:30 PM Venue: Sunya Lab Chair: Dr. Binsu C. Kovoor
2	ICACC_67	Data-driven Analysis for Low Frequency Oscillation Identification in Smart Grid using FB-DMD and T-DMD methods.	Priyanga V.T	
3	ICACC_62	Low Voltage Dual Beam Capacitive Switches For Reconfigurable Microsystems	Divya Sebastian A	
4	ICACC_72	Design of an Autonomous Mobile Robot based on the Sensor Data Fusion of Lidar 360, Ultrasonic Sensor and Wheel Speed Encoder	Mukund S Chettiar	
5	ICACC_75	Node Processing Unit for Flexible LDPC Decoders with Subnode for Min-Sum Algorithm	ASWATHY AMBASS	

DAY2: November 7th 2019

SESSION3

Antenna & Cognitive Radio Design (ACRD)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_169	Circular Microstrip Antenna with Parasitic Annular Sectors for Broadband Response	Venkata A P C	Date: 07/11/2019 Time: 10:45 AM – 12:15 AM Venue: Multimedia Hall Chair: Dr. Rithu James
2	ICACC_195	Design of Compact Semi-circular Microstrip Antenna Loaded with Shorting Post	Venkata A P C	
3	ICACC_157	Modified S-Shape Microstrip Antennas For Dual Polarized Multiband And Wideband Response	Aarti G. Ambekar	
4	ICACC_49	Beam Steerable Multiband Antenna Using RF Micro-Electro-Mechanical (MEM) Switches	Amrita Mary John	
5	ICACC_40	Design and Implementation of Interleaver in GNU Radio for short block length Turbo codes	Sreedevi M	
6	ICACC_82	Parallel Concatenated Gallager Code with Single Encoder for Cognitive Radio Applications	ASWATHY G P	

Image Processing-2 (IP-2)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_139	Boundary Regression for Human Vertebrae Segmentation	Ancy Brigit M.A	Date: 07/11/2019 Time: 10:45 AM – 12:15 PM Venue: DEC Library Chair: Dr. Abraham Thomas
2	ICACC_73	Cost effective and reliable mobile solution for face recognition and authentication	Pradeesh N	
3	ICACC_56	An Improved method for sharing medical images for Privacy Preserving Machine Learning using Multiparty Computation and Steganography	R Vignesh	
4	ICACC_188	YOLO based Logo detection	ASHNA ELDHO	

Smart Technology (ST-2)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_163	Analysis of Facial Image by Gradient Boosting Locally Extracted	A Vinay	Date: 07/11/2019 Time: 10:45 AM – 12:15 PM Venue: Sunya Lab Chair: Dr. Jayanthi V.S.
2	ICACC_154	Electromagnetic Energy Harvesting to Power the micro- power Temperature Sensor	A.A. Gaikwad	
3	ICACC_191	Sketch to image using CNN and GANs	Aditya lokesh	
4	ICACC_130	AXI based DMA Memory System Testbench Architecture Using UVM Harness Technique	Anjali	
5	ICACC_147	SCMA with new codebook design	Prabhavathi Bhai J	
6	ICACC_193	Estimation of Rainfall Quantity using Hybrid Ensemble Regression	Preetham Ganesh	
7	ICACC_111	Human Iris Recognition Based on Statistically Matched Wavelet	Sakshi Ahuja	

SESSION4

Data Analytics-3 (DA-3)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_89	Assessing Impact Of Explicit And Implicit Relationships On User's Interests	Varnika Srivastava	Date: 07/11/2019 Time: 1:30 PM – 4:00 PM Venue: DEC Library Chair: Dr. Sherly K.K.
2	ICACC_177	Automated Clinical Concept-Value Pair Extraction from Discharge Summary of Pituitary Adenoma Patients	Priyanka C. Nair	
3	ICACC_176	PERFORMANCE ANALYSIS OF PRE-TRAINED DEEP LEARNING NETWORKS FOR BRAIN TUMOR CATEGORIZATION	RAHMATHUNNEESA A P	

4	ICACC_54	An Unbiased and Time Efficient Task Allocation for Crowdsourcing Systems	Nellisery Cheryl Anto Jaya	
5	ICACC_152	POLARITY DETECTION USING DIGITAL MEDIA	KAVYA BHARATHAN	
6	ICACC_186	Correlation Based Multi-Criteria Feature Weighting for Identification of Top-k Investors and Companies	Bharat Tidke	

Natural Language Processing (NLP)

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_141	Sentiment Analysis of Malayalam Tweets using Different Deep Neural Network Models - Case Study	Soumya S	Date: 07/11/2019 Time: 1:30 PM – 4:00 PM Venue: Multimedia Hall Chair: Dr. Sreeraj M.
2	ICACC_103	UNIVERSAL SEMANTIC WEB ASSISTANT BASED ON SEQUENCE TO SEQUENCE MODEL AND NATURAL LANGUAGE UNDERSTANDING	Prajwal S V	
3	ICACC_81	Information retrieval and processing system for news articles in English	Rohit Sathyajit	
4	ICACC_173	Performance Comparison of Multiple Speech Features for Speaker Recognition using Artificial Neural Network	Mary Saniya Rozario	

Electrical

Sl. No.	Paper ID	Title	Author	Venue
1	ICACC_122	Control, Measurement and Estimation of Piezoelectric Actuator Driven System for Precision Positioning	Sandip jana	Date: 07/11/2019 Time: 1:30 PM – 4:00 PM Venue: Sunya Lab Chair: Dr. Elibabeth Rita Samuel
2	ICACC_18	A Methodology for Spikes and Transients Detection and Removal in Power Signals Using Chebyshev Approximation	Sreelakshmi K	
3	ICACC_78	Design and Analysis of Piezoelectric Microcantilever Energy Harvesters	Anu Tharakan	
4	ICACC_121	Comparative Performance of Normalized LMS and Variable Step Size LMS based Control for Shunt Active Filtering	Ragam Rajagopal	