

Technical Session Schedule

Date: 1st December, 2021		
Time: 11:00AM-1:00PM		
Session-1 Track- 1		
Internet of Everything (IoE)		
Session Chairs: Dr. Gururaj HL, Prof. Sauvik Bal		
Session Link:		
Join Zoom Meeting		
https://zoom.us/j/9648278353		
Meeting ID: 964 827 8353		
Paper ID	Author	Title
1	Rehan Shaikh	Friday: Smart Assistant Helmet
6	Diana Josephine, Santhosh Gurunathan, Vamsi Krishna, Gokul Nath and Siva Ramasamy	SMART IRRIGATION SYSTEM
14	Mohamed El-Amine Ouesse, Mohamed Sall, Adrien Basse and Ridha Bouallegue	A WebRTC - VoIP Communication Platform
15	Deepak Parashar and Dheraj Kumar Agarwal	Computer-Aided Diagnosis of Glaucoma at Early-Stage Using Retinal Fundus Images
25	Ms. Gophika T and Dr. Sudha S	Survey on Causes and Reduction of Metal Artifact in Medical Images
29	Debkumar Chowdhury, Sanjukta Mishra, Sayantika Mondal, Anjali Singh, Koustav Guha, Md. Tarik Aziz, Rahul Sen, Subhankar Bhanja Chowdhury, Sayan Porey and Kartik Sau	CONTOUR - MARKER BASED SEGMENTATION FOR TUMOROUS AND NON-TUMOROUS BRAIN MRI DETECTION
Date: 1st December, 2021		
Time: 11:00AM-1:00PM		
Session-1 Track- 2		
Microwave Engineering		
Session Chairs: Dr. Prashant Ranjan, Dr. Ankit Sharma		
Join Zoom Meeting		
https://zoom.us/j/99073375693		
Meeting ID: 990 7337 5693		
Paper ID	Author	Title
22	Mahesh A and Rohini Bhatkorse	Design and Simulation of Metamaterial based Patch Array Antenna with Lens
26	Ming-An Chung and Bing-Ruei Chuang	Design a Broadband U-Shaped Microstrip Patch Antenna on Silicon-Based Technology for 6G Terahertz (THz) Future Cellular Communication Applications



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30	Sukhendu Jana and Anumoy Ghosh	Design of a Single-Layered Ka-Band Reflectarray Antenna Using 'E'-shaped Elements for Gain Enhancement
96	Ghanshyam Singh, Sachin Kumar, Binod Kumar Kanaujia, Vijay Kumar Pandey and Ajay Abrol	Compact Modified Electric-Inductive-Capacitive Inspired Antenna for Triple-Band Operation
119	Ghanshyam Singh, Sachin Kumar, Binod Kumar Kanaujia, Vijay Kumar Pandey and Ajay Abrol	Antenna Miniaturization and Multiband Operation Using Different Meta-Structures in the Ground Plane
71	Subbarao Genikala and Anumoy Ghosh	Triple Band Polarization Insensitive Microwave Absorber with Defected Ground Structure for EMI/EMC Applications
Date: 1st December, 2021 Time: 11:00AM-1:00PM		
Session-1 Track- 3 Communication and Networks Session Chairs: Prof. Chiradeep Mukherjee, Prof. Sayak Pramanik		
Join Zoom Meeting https://zoom.us/j/97076508795 Meeting ID: 970 7650 8795		
Paper ID	Author	Title
16	Avinash Subramaniam M, Jay Sejjal, Rithvij Pasupuleti, Thridhamnae P Sai and Pargunarajan Krishnan	Performance Analysis of Sub-Optimal LDPC Decoder for 5G using Belief Propagation Algorithm
70	Kirandeep Kaur and Satinder Kaur	Mobile Ad-Hoc Network Routing Protocols: A Comparative Study
72	Sourav Chakraborty, Nirmalendu Bikas Sinha and Monojit Mitra	Iteration Optimized Layered Tabu Search for large scale MIMO detection
98	Sandip K Chaurasiya, Arindam Biswas and Rajib Banerjee	Metaheuristic Multilevel Heterogeneous Clustering Technique for Heterogeneous Wireless Sensor Networks
85	Prabir Ghosh, Atanu Chowdhury and Tejaswita Kumari	T-Slotted T MIMO Antenna for 5G Mobile Communication
54	Ashwitha Baikady and Uma B V	Area and Power Efficient Architectures for Direct Digital Frequency Synthesizer



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Date: 1st December, 2021 Time: 2:00PM-3:30PM		
Session-2 Track- 1 Internet of Everything (IoE) Session Chairs: Dr. Gururaj H L, Prof. (Dr.) Vishal Kr. Pandey		
Join Zoom Meeting https://zoom.us/j/9648278353 Meeting ID: 964 827 8353		
Paper ID	Author	Title
34	Tajebe Tsega Mengistie and Deepak Kumar	Comparative Study of Transfer Learning techniques for Lung Disease prediction
51	Somen Nayak, Tapas Si and Achyuth Sarkar	Breast MRI Registration Using Metaheuristic Algorithms
53	Md Shamim Ahmed and Ruchira Naskar	Image Splicing Detection and Localisation using EfficientNet and Modified U-Net Architecture
58	Akhilesh Dubey, Deepak Kumar Singh and B B Tiwari	Hypernasality severity analysis using spectral and residual features
88	Kismat Chhillar and Saurabh Shrivastava	Vulnerability Scanning and Management of University Computer Network
89	Qaysar Mohi Ud Din and Jayanthi A. K.	Autism Spectrum Disorder classification using EEG and 1D-CNN
Date: 1st December, 2021 Time: 2:00PM-3:30PM		
Session-2 Track- 2 Microwave Engineering Session Chairs: Dr. K Prahlada Rao, Prof. (Dr.) Prashant Ranjan		
Join Zoom Meeting https://zoom.us/j/5686227899 Meeting ID: 568 622 7899		
Paper ID	Author	Title
78	Hrudya B, Remsha M, Divya Antony and Stephen Rodrigues	Design and Performance Analysis of a Compact Multi-Band Planar Inverted-F Antenna in the Presence of Human Head Model
93	Zeba Zeya and Ritesh Kr. Badhai	RF Energy Harvesting: Design of Printed Hexagon Antenna for ISM Band 2.4 GHz
40	Jyothsna Sebastian, Thomas Eldho, Faiza Faizal, Don Thomas and Anila P V	METAMATERIAL BASED GAIN ENHANCED FSW ANTENNA FOR 5G APPLICATION



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117	Yathavi T, K Mauansree, Balameenakshi G, Vasantha Malika M and Santhoshini M	RF Energy Harvesting for Low Power Applications
52	Arunkumar Heddallikar, Raymond Pinto Pinto, Md. Najam Anwer, Sana- Ur-Rahman Rahman, E.M.T. Sirisha Sirisha and Reema Kumari Kumari	Calibration of High Resolution Ku band FMCW Radar Level Probe
134	Shabnam Ara and Dr. Nunna Prasanti	Compact structure in patch antenna for x band application
Date: 1st December, 2021 Time: 3:00PM-4:30PM		
Session-3 Track- 3 Communication and Networks Session Chairs: Prof. (Dr.) Angshuman Khan, Prof. Souvik Saha		
Join Zoom Meeting https://zoom.us/j/96212295553 Meeting ID: 962 1229 5553		
Paper ID	Author	Title
110	Gauri Krishnan, Nidhi Joshi, H. M. Bhavani Shankar, Sneha P. C. and Sanjeev Gurugopinath	Eigenvalue-Based Spectrum Sensing in Cognitive Radio Networks Using Supervised Learning
111	Jacob Rajesh, Krishna P. C., Pruthvi B. V., Rachita Hongal, Rajalekshmi Kishore and Sanjeev Gurugopinath	Ambient Backscatter Communication-Assisted Cognitive Radios in the Presence of Jammer
112	Rupayan Das, Mrinal Kanti Sarkar, Dona Das and Sourav Kumar	Fuzzy-based On-demand Multi-node Charging Scheme To Reduce Death Rate Of Sensors In Wireless Rechargeable Sensor Networks
133	M Sugadev, Malladi Kaushik, Vijayakumar V and T Ravi	Survey on Various noise sources in ECG signal and its Filtering Methods
135	Soumili Chattopadhyay, Swastika Gupta, Souhita Biswas and Sandip Das	Performance analysis of PPM variants in free space optics (FSO) communication system
60	Soumya Sen, Souvik Saha, Alpana Biswas and Agnibha Dasgupta	A Tanner Based Approach to analyse the comparisons between 6T and 8T SRAM



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Date: 2nd December, 2021		
Time: 10:00AM-12:00PM		
Session-4 Track- 1		
Internet of Everything (IoE)		
Session Chairs: Prof. (Dr.) Rajendrani Mukherjee, Prof. Rupayan Das		
Join Zoom Meeting		
https://zoom.us/j/9648278353		
Meeting ID: 964 827 8353		
Paper ID	Author	Title
90	Mallikarjun B C, Rakshit R T, Narayanamurthy H S, Rakshit P T, Yeshwanth K and Ranjitha R	LoRa Technology Based Farm Irrigation Control System
95	Tanvi Mehta, Ovee Manolkar, Samruddhi Multaikaar, Srushti Patil and Namrata Gawande	Intensification of Agriculture using Deep Learning and Machine Learning: A Survey
64	Tapas Si, Somen Nayak and Achyuth Sarkar	Kidney MRI Segmentation for Lesion Detection Using Clustering with Slime Mould Algorithm
97	Sushma Jaiswal and Priyanka Gupta	MLP-DTP: Performance Evaluation of Diabetes Class Prediction
99	Furqan Mohammed Faiz, Dr Mohd Umar Farooq, Adnan Muhammed Faiz, Dr. Mohammed Pasha and Maniza Hijab	ENCRYPTING AND PREDICTING MEDICAL DIAGNOSIS DATA
101	Jyoti Anand, Jyoti Khandelwal, Deepak Sethi and Shivam Choudhary	An Analysis to Empower IoT Devices through FOG Computing
136	Ritu Sharma, Dr. Prashant Ranjan	A review: Machine learning based Hardware Trojan Detection
Date: 2nd December, 2021		
Time: 11:00AM-1:00PM		
Session-5 Track- 1		
Internet of Everything (IoE)		
Session Chairs: Prof. (Dr.) Sibun Parida, Prof. Uttam Thakur		
Join Zoom Meeting		
https://zoom.us/j/95675954811		
Meeting ID: 956 7595 4811		
Paper ID	Author	Title
103	Bushra Siddique and M.M. Sufyan Beg	i-RD: A Reverse Dictionary for English Idioms
104	Sarbjeet Singh and Dilip Kumar	An Efficient use of Privacy Preserving Resources in IoT based Healthcare



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106	Pravin Singh Yadav, Seema Dewangan and Rajwant Singh Rao	Extraction of Prediction Rules of Code Smell using Decision Tree Algorithm
108	Mohamed El-Amine Ouesse, Mohamed Sall, Adrien Basse and Ridha Bouallegue	Payment of university restoration by an RFID card
100	Sagadevan K, Sathish Kumar D, Poonguzhali S, Sivasangari A, Ilakiya G and Ragavi S	A DESIGN OF DIGITAL TOTE BAG FOR WOMEN'S SAFETY
113	Gouri Kulkarni and Radhika Joshi	Electric vehicle charging station integration with IOT enabled device
130	Alamelu M, Sathish Kumar D, Sanjana R, Subha Sree J, Sangeerani Devi A and Kavitha D	Resume Validation And Filtration Using Natural Language Processing
Date: 2nd December, 2021 Time: 1:30PM-3:15PM		
Session-6 Track- 1 Internet of Everything (IoE) Session Chairs: Prof. (Dr.) G Uma Devi, Dr. Bhanu Pratap Soni		
Join Zoom Meeting https://zoom.us/j/9648278353 Meeting ID: 964 827 8353		
Paper ID	Author	Title
115	Godwin Ponsam J, Juno Bella Gracia S V, Geetha G, Thenmozhi M and Nimala K	Extraction in Digital Forensic Investigation based on Video Enhancement and Machine Learning
116	Shubham Kar, Susmita Pratihar, Subhadip Nayak, Sauvik Bal, Gururaj H L and Ravikumar V	Prediction of Child Malnutrition using Machine Learning
55	Pushpanjali Singh, Kumari Suniti Singh and Dr. Harsh Vikram Singh	Machine Learning for Healthcare: A Survey & its Algorithm for the Security of Medical Images
122	Sandeep Kumar Sunori, Pushpa Bhakuni Negi, Amit Mittal, Shweta Arora, Somesh Sharma Sudhanshu Maurya, Pradeep Juneja	Prediction of pH of Soil Using Linear Regression, Decision Tree, GPR, and Gaussian SVM
125	R Seetharaman, D Rahul, H Mani Lakshmanan, S Gayathri, S S Sreeja Mole and K Anandan	Automatic Identification of Leaf Disease using Image Segmentation Method
129	Sangeerani Devi A and Chinnasamy A	PRIVACY PRESERVATION OF SENSITIVE DATA IN BIG DATA ANALYTICS - A SURVEY



IEMECON-2021

The 10th International Conference on Internet of Everything,
Microwave Engineering, Communication and Networks

1st — 2nd December, 2021

Virtual Conference

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131	D. Kavitha and Dr. A Chinnasamy	AI INTEGRATION IN DATA DRIVEN DECISION MAKING FOR RESOURCE MANAGEMENT IN INTERNET OF THINGS(IOT) : A SURVEY
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