4th International Conference on "Emerging Technology Trends in Electronics, Communication and Networking" ET2ECN 2021

November 17-18, 2021
(Virtual Mode)
Technical Program Schedule

Time	Day 1 November 17, 2021			Day 2 November 18, 2021		
10:00 am	Inaugural Ceremony (Virtual Mode)			Keynote III Dr. Ashwin Kothari VNIT Nagpur		
11:00 am	Plenary Talk Prof. Y. P. Kosta CHARUSAT University, Gujarat			Keynote IV Er Neha Raj Global Foundries, Singapore		
12:00 noon	TEA BREAK					
12:15 pm	Keynote I Dr. Santosh Kumar Liaocheng Univ, China			Keynote V Prof. D. C. Jinwala SVNIT, Surat		
1:15 pm	LUNCH BREAK					
2:30 pm	Keynote II Dr Sergi Abdal Barcelona, Spain			Keynote VI Dr. Raghavendra Ramchandran Norway		
3:30 pm	TEA BREAK					
3:45 pm	Paper Presentation Sessions					
	Session I PAPER IDs 15, 24, 26, 36, 57	Session II PAPER IDs 23, 28, 35, 54, 58	Session III PAPER IDs 14,18,21,22	Session IV PAPER IDs 7,17,47,65	Session V PAPER IDs 62, 63, 69,71	Session VI PAPER IDs 41,66,67,68

DETAILS OF OUR DISTINGUISHED SPEAKERS:

DAY 1:

1. Prof. Y. P. Kosta, Professor, Department of Electronics Engineering, CHARUSAT University, Anand, Gujarat.

Plenary Talk on Microstrip Antennas

2. **Dr. Santosh Kumar, Associate Professor with the School of Physics Science and Information Technology, Liaocheng University, China.**

Keynote talk on Optical Fiber-based Plasmonic Biosensor for Cancer Detection

3. Dr. Sergi Abdal, PhD in Computer Architecture from the Department of Computer Architecture, Universitat Politècnica de Catalunya (UPC), Barcelona, Spain.

Keynote talk on Towards the Internet of Everything with Reconfigurable Intelligent Surfaces and Graphene Antennas

DAY 2:

1. Dr. Ashwin Kothari, Associate Professor, Department of Electronics and Communication Engineering, VNIT Nagpur

Keynote talk on Recent Trends in Communication Engineering and Issues and Challenges Thereof

2. Er. Neha Raj, Principal Engineer, Global Foundries, Global Foundries, Singapore

Keynote talk on Innovation enablement with semiconductor scaling

3. Prof. D. C. Jinwala, Professor, Department of Computer Engineering SVNIT Surat

Keynote talk on Adversarial Machine Learning: An Introduction and Case Studies

4. Dr. Raghavendra Ramchandran, Professor, Institute of Information Security and Communication Technology (IIK), Norwegian University of Science and Technology, Gjøvik, Norway

Keynote talk on Face Morphing Attacks: Vulnerability and Detection

DETAILS OF PAPER PRESENTATION SESSIONS:

Paper presentation Session I, November 17, 2021, 3.45 pm to 5pm

Session Chair: Dr. Tarun Gupta, Assistant Professor, Department of Electronics & Communication Engineering, MANIT Bhopal

Google Meet Link: https://meet.google.com/yze-jarg-ijh

Paper ID	Title of the paper and its Authors
15	Comparative Analysis of Static Bias Methods for basic Differential Amplifier *Dipesh Panchal, Amisha Naik*
24	Millimeter-wave Overmoded Circular Waveguide Tapers for ECRH applications *Pujita Bhatt, Amit Patel, Keyur Mahant, Sathyanarayana K, S. V. Kulkarni*
26	Analysis of Logical Effort Based Optimization in the Deep Sub-Micron technologies *Shivam Singh, Prakash Kumar Ojha, Abhijit R. Asati*
36	A Single Electron Transistor Based Floating Point, Multiplier Realization at Room Temperature Operation *Sanghamitra Banik, Rachesh Trivedi, Abhishek Kalavadiya, Yash Agrawal, Rutu Parekh*
57	Comparison of Total Ionizing Dose Effect on Tolerance of SCL 180nm Bulk and SOI CMOS using TCAD Simulation *Shubham Anjankar, Rasika Dhavse*

Paper presentation Session II, November 17, 2021, 3.45 pm to 5pm

Session Chair: Dr. Joydeep Sengupta, Assistant Professor, Department of Electronics & Communication Engineering VNIT Nagpur

Google Meet Link: https://meet.google.com/ntv-ofec-tfd

Paper ID	Title of the paper and its Authors
23	Performance analysis of corrugated horn antenna for liquid level measurement application *Amit Patel, Alpesh Vala, Keyur Mahant, Pujita Bhatt, Jitendra Chaudhari, Hiren Mewada*
28	Quad-Element with Penta-Band MIMO Antenna for 5G Millimeter Wave Applications *Amrees Pandey, J. A. Ansari, Iqra Masroor,Piyush Kr. Mishra*
35	Quad Band Planar Monopole Antenna with Polarization Diversity for FSS and SAR Application *Reshmi Dhara*
54	Design and Comparative Analysis of Reconfigurable Antenna with Compound Reconfigurability *Sanket Patil, Dr. S. P. Mahajan*
58	Fractal CSRR Metamaterial based Wearable Antenna for IoT Application *Anand Kumar Singh, Kirti Inamdar*

Paper presentation Session III, November 17, 2021, 3.45 pm to 5pm

Session Chair: Dr. Prakash Gajjar, Lecturer, Department of Electronics & Communication Engineering, Govt. Polytechnic, Vadnagar

Google Meet Link: https://meet.google.com/tuw-bziw-yna

Paper ID	Title of the paper and its Authors
14	Machine Learning based Investigation of Employee Attrition Prediction and Analysis *Kalgi Sheth, Jaynil Patel, Jaiprakash Verma*
18	CNN Based Leaf Wilting Classification Using Modified ResNet152 *Amita Mohta, Ishan Gupta, Ruchi Gajjar, Manish I. Patel*
21	Deep Learning-Based COVID-19 Detection using Transfer Learning through ResNet-50 *Mansi Patel, Jeel Padiya, Manish I. Patel*
22	OCR for Devanagari Script using a Deep Hybrid CNN-RNN Network *Rhea Sansowa, Vincent Abraham, Manish I. Patel, Ruchi Gajjar*

Paper presentation Session IV, November 18, 2021, 3.45 pm to 5pm

Session Chair: Dr. Yogendra Kumar Prajapati, Associate Professor, Department of Electronics & Communication Engineering, MNNIT Allahabad

Google Meet Link: https://meet.google.com/yze-jarg-ijh

Paper ID	Title of the paper and its Authors
7	GUI Development of IRNSS Receiver *Rashi Gautam, Vaisvik Chaudhary, Sachin Gajjar*
17	A 1 Gbps VLC System Based on DayLight & Intensity Modulator *Poonam Devi, Ravi Kr. Maddila*
47	Performance of MISO systems with Alamaouti transmit diversity and antenna selection in TDD and FDD *Dehit H. Trivedi, Neel N. Joshi, Y. N. Trivedi*
65	Performance analysis of OFDM based optical wireless communication system *Aishwarya Medpalliwar, Abhishek Tripathi, Shilpi Gupta*

	Paper presentation Session V, November 18, 2021, 3.45 pm to 5pm
	Session Chair: Dr. Amit Garg, Assistant Professor, Department of Computer Science Engineering, IIIT Kota
	Google Meet Link: https://meet.google.com/ntv-ofec-tfd
Paper ID	**Title of the paper and its Authors**
62	Performance Comparison of Different Diversity and Combining Techniques over Gamma-Gamma FSO link. *Hardik Yogeshbhai Joshi, Dr. Shilpi Gupta*
63	Abstract Data Models and System Design for Big Data Geospatial Analytics *Vimal Sheoran, Jai Prakash Verma*
69	Circularly polarized sector patch antenna with fractal Defected ground structure *Ramya Radhakrishnan, Shilpi Gupta*
71	Two Element MIMO antenna with Polarization Diversity for 5G application *Nabeela, Ramya Radhakrishnan, Shilpi Gupta*
	Paper presentation Session VI, November 18, 2021, 3.45 pm to 5pm
	Session Chair: Dr. Jignesh Bhatt, Assistant Professor, Department of Electronics & Communication Engineering, IIIT Vadodara Google Meet Link: https://meet.google.com/tuw-bziw-yna
Paper ID	**Title of the paper and its Authors**
41	A Dataset Preparation Framework for Education Data Mining *M. H. Mehta, N.C.Chauhan, Anu Gokhale*
66	Generative Adversarial Network based Improved Progressive Approach for Image Super-Resolution: ImProSRGAN *Vishal Chudasama, Heena Patel, Kalpesh Prajapati, Anjali Sarvaiya, Kishor Upla*
67	Community Detection using Label Propagation Algorithm with Random Walk Approach *Hemi Patel, Jai Prakash Verma*
68	Comparative Analysis of Generative Adversarial Network based Single Image Super-resolution Approaches *Rushi Bhatt, Kalpesh Prajapati, Vishal Chudasama, Heena Patel, Anjali Sarvaiya, Kishor Upla*