INTERNATIONAL CONFERENCE ON CUTTING-EDGE TECHNOLOGIES IN COMPUTING AND COMMUNICATION ENGINEERING (IC4E-2020), 06-07 Nov. 2020
National Institute of Technology, Kurukshetra

Guidelines:

1. Each paper will be given 15 minutes total for the presentation: 10 mins for presentation followed by 5mins for queries.

2. Presenter must join the session at least 10 mins before the start of the respective session. The links for joining the sessions are given in the respective session.

3. The author/presenter must ensure a good and uninterrupted internet connection to avoid any delay/problems.

4. The authors who have registered under the student category must send their student id card on ic4e2020@gmail.com latest by 2nd Nov 2020.

5. The authors must verify their names, affiliations, title of the paper in the schedule mentioned below, as the same credentials will be used for certificates. Any discrepancy or change should be brought to the notice of team IC4E-2020 through E-mail (ic4e2020@gmail.com).

6. Only one certificate will be issued in the name of the presenter for each registered paper.

7. The best paper awards (Two from each track) will be declared during the valedictory ceremony as per the schedule.

TS 6.1.1: Intelligent Algorithms: 06 Nov 2020; Time: 12.00 noon to 01.30 pm

PAPER IDS	TITLE	AUTHOR'S NAME
22	Recent Developments and Challenges in Intelligent Transportation Systems (ITS)- A Survey	Vishal Sharma, Love Kumar, Sergey Sergeyev
29	A Modified YOLO Model for On-road Vehicle Detection in Varying Weather Conditions	Rajib Ghosh
90	Spectral Efficiency Analysis of Massive MIMO Systems	Vaibhav Thakur Manoranjan Rai Bharti
34	Deep Learning Enabled Interference Management in LTE-D2D Communication	Sandeepika Sharma Brahmjit Singh
74	Different Techniques used in Smart Traffic Light Management System using CCTV	Riddhika Rawat, Shrutika Singh, Sumit Kumar
69	Traffic Violations Prediction System on the basis of Human Behavior	Deepti Goel, Rajesh Bhatia Kashish Bhatia

TS 6.1.2 Security Algorithms: 06 Nov 2020; Time: 03.30 – 5.00 pm

PAPER IDS	TITLE	AUTHOR'S NAME
70	Cheating Tolerant and Threshold based Secure Information Exchange among Propinquity of Adversaries	Anindya Kumar Biswas Mou Dasgupta
30	Physical Layer Security Based Relay Selection for Wireless Cooperative Networks: A Reinforcement Learning Approach	Anil Kamboj Poonam Jindal Pankaj Verma
93	A Review of Security Threats in Software Defined Networking	Sukhveer Kaur, Krishan Kumar Naveen Aggarwal
80	Hardware based Analysis of PCG Signal for Heart Conditions	Takhellambam Gautam Meitei, Sinam Ajit kumar Singh Swanirbhar Majumder
41	Elliptic Curve Cryptography: A Software implementation	Sumit Singh Dhanda, Brahmjit Singh, Poonam Jindal
120	When Distributed Ledger Technology meets Traditional Payment Systems-Benefits and Challenges	Saurabh Jain, Adarsh Shukla Kashish Srivastava

TS 6.1.3 Communication Systems: 06 Nov 2020; Time: 03.30 – 05.00 pm

PAPER IDS	TITLE	AUTHOR'S NAME
68	Hybrid Material Based Dual-band Yagi-Uda Antenna with enhanced gain for the Ku-band applications	Rajesh Yadav, Shailza Gotra, Vinay Shankar Pandey Brahmjit Singh
87	A Novel Rule-based Expert System For Penalty Prediction For Two Wheeler's Traffic Rules Violation in India	Anoop Sahani, Niranjan Panigrahi, Diptimayee Sahoo, Anita Maharana, Jagadish Mohanty
40	Recent Development, Challenges and Futuristic Trends in Cloud Computing, A survey	Sahul Goyal Lalit K. Awasthi
98	Wireless Lighting System for Rural Households in India	Shantanu Acharya, PriyaDebnath, Dipta Chakraborty Rimpi Baishya Sayan Deb
126	Broadband Electromagnetic Performance Analysis of Radome Structures Realized Using Hybrid Equilibrium Optimization Strategy	Anindya Midya Chowdhury Ravi Yadav, Varun Chaudhary Ravi Panwar

PAPER IDS	TITLE	AUTHOR'S NAME
127	Design, Optimization and Critical Analysis of Metamaterial Superstrate Coupled High Gain Microstrip Patch Antenna	Atipriya Sharma Ravi Panwar Rajesh Khanna

TS 7.2.1: Computing Algorithms:07 Nov 2020; 11.00 am to 12.30 noon

PAPER IDS	TITLE	AUTHOR'S NAME
33	A Comparative Approach for E-mail Spam Detection Using Deep Learning	Akhil Pratap Singh, Ashish Singh, Kakali Chatterjee
44	Sentiment analysis algorithms; Classifiers and their comparison	Shubham Joshi, Rochit Dubey, Aryav Tiwari, Poonam Jindal
45	Email sentiment classification using lexicon based opinion labeling	UlligaddalaSrinivasarao Aakanksha Sharaff
54	Real Time Facial Emotion Recognition using Deep Learning	Apoorva Singh, Ria Bhatia, Shruti Chand, Ishween Kaur, Seeja K.R.
129	Clustering of single cell transcriptome data based on evolutionary algorithm in assimilation with Fuzzy C-means	AmikaAchom Ranjita Das
66	Waste Segregation to ease Recyclability	Rahul Kumar Verma Suneeta Agarwal

TS 7.2.2: Computing systems 07 Nov 2020; 11.00 am to 12.30 noon

PAPER IDS	TITLE	AUTHOR'S NAME
55	Comparative analysis of Intelligent Systems using Support Vector Machine for the detection of Diabetic Retinopathy	G. Sri Venkateswara Reddy, Dolly Das, et. al
56	Case-Based Expert System for Early Detection of Diabetic Retinopathy	Rahul Barman, Saroj Biswas et al
58	Decision making using interval-valued pythagorean fuzzy set based similarity measure	G Punnam Chander Sujit Das
63	Forest combustion recognition using deep learning	Jahnavi Kota, Hari Kishan Kondaveeti Asish Dalai
67	The Importance of Diversity in Multi-Objective Evolutionary Algorithms	Carlos A. CoelloCoello Ma. Guadalupe Castillo Tapia
72	Viewer's Sentiments on Game of Thrones: An Automated lexicon-based Sentiment Analysis on Real Time YouTube Comments	Shivam Sharma Hemant Kumar Soni

TS 7.2.3: Intelligent Computing-I   07 Nov 2020; 02.30 pm – 04.00 pm

PAPER IDS	TITLE	AUTHOR'S NAME
77	Improving the Accuracy of Writer Detection of Handwritten Text using Image Hashing	Devvrat Bhardwaj Prateek Thakral
81	Software defect prediction by Strong Machine Learning Classifier	Meetesh Nevendra Pradeep Singh
84	FECG Extraction using 1D Convolution Neural Network	Yojana Sharma Shashwati Ray Om Prakash Yadav
88	HMM Model for Brain Tumor Detection and Classification	Rakesh Sharma Parth Sharma
96	A Study of OpenStack Networking and Auto-Scaling using Heat Orchestration Template	Karamjeet Kaur, Veenu Mangat Krishan Kumar
100	ANN Control Algorithms with Different Training Methods as Applied to PMSM Drive	Krishna Kokre SadhanaJadhav

TS 7.2.4: Intelligent Computing-II   07 Nov 2020; 02.30 pm --- 04.00 pm

PAPER IDS	TITLE	AUTHOR'S NAME
101	An Analysis and Comparison of Community Detection Algorithms in Online Social Networks	Amit Batra, Sanjeev Dhawan Kulvinder Singh
103	A Deep learning approach for network intrusion detection using non-symmetric autoencoder	Divya Nehra, Veenu Mangat Krishan Kumar
106	Efficient Deep Learning Framework with Group Convolution for Segmentation of Histopathology Image	Amit Kumar Chanchala, Aman Kumar, Kumar Alabhya, Shyam Lal Jyoti Kini
109	Dynamic Reusability Measurement using Machine Learning Algorithms in Object Oriented Environment	Manju Pradeep Kumar Bhatia
128	Comparison of Different Machine Learning and Deep Learning Emotion Detection Models	Sahil Garg, Raghav Madaan, Akanksha Aggarwal and Rajender Kumar
48	An Improvised Particle Swarm Optimization using Balanced Local Best	Bubul Doley, Arpita Nath Boruah, Sazidur Rahman, et al