

# 2019 International Conference on Cutting-edge Technologies in Engineering (ICon-CuTE)

IEEE Conference Record No. 47290

14-16 November 2019



## Programme Schedule

(Day 1-Thursday, 14<sup>th</sup> November 2019)

Venue: Mini Auditorium, Administrative Block ( First Floor)

8:30 am – 9:30 am	Registration
	<b>INAUGURAL SESSION</b>
9:30 am - 10:00 am	Saraswati Vandana and Lamp Lighting
10:00 am - 10:30 am	Welcome Address by Prof. A.K. Varma , Director followed by felicitation of Distinguished Speakers
10:30 am - 10:45 am	Address by Vice-Chancellor
10:45 am - 11:00 am	Address by Chancellor/Pro-Chancellor
11:00 am - 11:15am	Conference Briefing by Dr. Shalini Agarwal followed by Release of Conference Proceedings
11:15 am - 12:00 pm	Keynote Address by Padma Shri Dr. Kota Harinarayana, Distinguished Scientist, Chief Architect-Light Combat Aircraft
12:00 pm - 12:15 pm	Vote of Thanks by Dr. Alkesh Agrawal
12:15 pm - 12:30 pm	High Tea
	<b>Address by Distinguished Speakers</b>
12:30 pm-1:00 pm	Er. Yogesh Kumar, Ex. Director, HAL, Bangalore, India
1:00 pm - 1:30 pm	Prof. S. N. Singh, IIT Kanpur & President IEEE UP Section
1:30 pm - 2:00 pm	Dr. Mrigendra Kumar, Yeungnam University, South Korea
2:00 pm - 3:00 pm	LUNCH
3:00 pm - 3:30 pm	Prof. R.K. Pant, IIT Bombay, India
3:30 pm - 4:00 pm	Dr. Syed Umar Amin, King Saud University, Saudi Arabia
4:00 pm – 4:30 pm	Prof. Surender Reddy Salkuti, Woosong University, South Korea
4:30 pm – 5:00 pm	Er. Amit Agrawal, Yotta infrastructure, Mumbai

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(Day 2-Friday, 15<sup>th</sup> November 2019)



## Pre-Lunch Sessions

	Pre-Lunch Sessions		
	<b>Track: Electronics &amp; Communication Engineering</b>  <b>Session ECE-01 (Microwave Devices)</b>  <b>Venue: B1 007</b>	<b>Track: Computer Science &amp; Engineering</b>  <b>Session CSE-01 (AI and Machine Learning)</b>  <b>Venue: Mini Auditorium</b>	<b>Track: Electrical Engineering</b>  <b>Session ELE-01 (Renewable Power Conversion Technologies, Smart Grid, Sustainable Energy, Power Electronics)</b>  <b>Venue: B1 207</b>
	<b>Session Chair: Prof. M. K. Meshram (IIT BHU)</b> <b>Session Co-Chair: Dr. S. Khalid (Manager, Air Traffic Management, Airport Authority of India)</b>	<b>Session Chair: Dr. Ashish Khare (University of Allahabad)</b> <b>Session Co-Chair: Dr. Ashish Maurya (MNNIT, Allahabad)</b>	<b>Session Chair: Prof. Y. N. Singh (IIT Kanpur)</b> <b>Session Co-Chair: Prof. R. Gupta (MNNIT, Allahabad)</b>
<b>9:30 am – 10:30 am</b>	<b>Plenary Talk by Session Chair &amp; Co-Chair</b>	<b>Plenary Talk by Session Chair &amp; Co-Chair</b>	<b>Plenary Talk by Session Chair &amp; Co-Chair</b>
<b>10:30 am -10:45 am</b>	<u>Paper-34</u> : Performance Analysis of Double Gated Heterojunction Tunnel Field Effect Transistor – Mr. Irfan Ahmad Pindoo	<u>Paper-86</u> : E-Governance Initiatives and Challenges in the state of Uttar Pradesh - Mr. Sachin Sahu	<u>Paper-46</u> : Multi-Objective Based Optimal Scheduling of Microgrid Considering Uncertainties – Prof. Surender Reddy Salkuti
<b>10:45 am -11:00 am</b>	<u>Paper-69</u> : Investigating the Possibilities to Extend Planar Technology to 10 nm Scale with UTBB DMG SSOI MOSFETs- Mr. Rahul Mishra	<u>Paper-84</u> : Vegetable Classification Using You Only Look Once Algorithm – Mr. Sachin C.	<u>Paper-77</u> : An Adaptive Control Strategy for Maximum Power Point Tracking of Variable Speed Wind Turbine using Model Predictive Control- Mr. Apoorva Srivastava
<b>11:00 am -11:15 am</b>	<u>Paper-81</u> : Impact of Gate Dielectric on Drain Current, Gate Capacitance and Trans-conductance for MOSFET, Nanowire FET and CNTFET Devices- Mr. Manas Tiwari	<u>Paper-40</u> : Recurrent Convolutional Attention Neural Model for Sentiment Classification of short text – Mr. Abhay Pratap Singh	<u>Paper-105</u> : Fuzzy Inference System based Fault Detection in Smart Grid – Ms. Kitty Tripathi
<b>11:15 am -11:30 am</b>	<u>Paper-112</u> : Effect of Gate Length Variation on Characteristics of Silicon Nanowire Junction-less Transistor- Mr. Kartikey Solanki	<u>Paper-109</u> : Conjecture of Scholars Academic Performance using Machine Learning Techniques- Mr. Prajwal Bajpai	<u>Paper-74</u> : Performance and Emission Analysis of CI Engine Fuelled with Blend of Jatropha Biodiesel and ZnO Nanoparticles as Fuel Additives – Mr. Rohit Singh
<b>11:30 am -11:45 am</b>	High Tea		
<b>11:45 am -12:00 pm</b>	<u>Paper-104</u> : Wide-band CPW-Fed Slotted Rectangular Patch Antenna loaded with Ring Resonators for C-band Applications – Mr. Kunal Upadhyay	<u>Paper-18</u> : Automated Ensembling of Features from Android Applications for Malware Detection – Mr. Padeep Kumar Tiwari	<u>Paper-106</u> : Analysis and Simulation of Fuzzy Control Base for Single Axis Active Magnetic Bearing System- Mr. Suraj Gupta
<b>12:00 pm - 12:15 pm</b>	<u>Paper-110</u> : Design and Simulation of FinFET based Temperature Sensor – Mr. Gaurav Verma	<u>Paper-75</u> : Automated Image Splicing Detection using Texture based Feature Criterion and Fuzzy Support Vector Machine based Classifier- Ms. Esha Tripathi	<u>Paper-60</u> : Performance Comparison of PQIACS – Mr. Shubham Mishra
<b>12:15 pm - 12:30 pm</b>	<u>Paper-99</u> : Design of Class F Power Amplifier for 2.4 GHz using Third Harmonics - Mr. Krishna Prasad Sreedhara		
<b>12:30 pm – 12: 45 pm</b>			
<b>1:00 pm - 2:00 pm</b>	<b>Lunch</b>	<b>2:00 pm - 3:00 pm</b>	<b>Poster Presentation/Exhibition of Models</b>

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## Post-Lunch Sessions

**Track: Electronics & Communication Engineering**  
**Session ECE-02 (Image Processing, Wireless Sensor Networks, Embedded Systems, Intelligent Electronics Systems, Robotics)**  
**Venue: B1 007**

**Track: Computer Science & Engineering**  
**Session CSE-02 (Data Analytics , IoT, Data Mining and Data Warehousing, Cloud Computing , Cyber Security)**  
**Venue: Mini Auditorium**

**Track: Aerospace Engineering**  
**Session AAE-01 ( Systems, Propulsion, Airframe)**  
**Venue: B1 207**

**Session Chair: Prof. V. K. Singh (V.C. IIMT University, Meerut)**  
**Session Co-Chair: Dr. Sarvesh Dubey (B. R. Ambedkar Univ. Bihar)**

**Session Chair: Prof. Shekhar Verma (IIIT, Allahabad)**  
**Session Co-Chair: Dr. Ashish Khare (University of Allahabad)**

**Session Chair: Er. Yogesh Kumar (Ex. Director, HAL, Bangalore)**

3:00 pm -3:30 pm

**Plenary Talk by Session Chair**

**Plenary Talk by Session Chair**

**Plenary Talk by Session Chair**

3:30 pm -3:45 pm

**Paper-97: Vision Based Detection and Classification of Disease on Rice Crops Using Convolutional Neural Network – Mr. Gaurav Verma**

**Paper-20: Fuzzy Approach To Select Most Suitable Conflict Resolution Strategy In Multi-Agent System – Mr. Gaurav Kant Shankhdhar**

**Paper-21: Designing of Vapour Cycle Cooling System of twin seater basic trainer Aircraft – Dr. Paresh Gupta**

3:45 pm -4:00 pm

**Paper-82: State Estimation of a Quantum System Using Extended Kalman Filter – Ms. Nidhi Agarwal**

**Paper-25: A Reinforcement Learning Approach for Evaluation of Disaster Relief – Mr. Gajanan Madhavrao Walunjkar**

**Paper-89: Design of Winching System for Tethered Aerostat – Mr. Saurabh Verrma**

4:00 pm -4:15 pm

**Paper-70: Performance Analysis of Coin Matching Using Local Texture Features – Mr. Vamshi Krishna Munipalle**

**Paper-38: Smart Cards with Biometric Influences: An Enhanced ID Authentication – Mr. Praveen Kr. Singh**

4:15 pm -4:30 pm

**Paper-91: Unfolding Design Strategies and the Critical Aspects for Development of DAQ at the HEP Experiments – Mr. Fahad Khan**

**Paper-107: Energy Efficiency Metrics For Safeguarding The Performance Of Data Centre Communication Systems By Green Cloud Solutions- Ms. Saumitra Vatsal**

4:15 pm -4:30 pm

**Paper-7: Locomotion by Shortest Path and Obstacles Avoidance – Ms. Kimaya Kulkarni**

**Paper-6: Vehicle Overloading Alert using IoT – Mr. Himanshu Shekhar**

4:30 pm -4:45 pm

**Paper-43: Comparative Analysis of Transport Layer Congestion Control Algorithms- Mr. Neelesh Mishra**

4:45 pm – 5:00 pm

Tea

# 2019 International Conference on Cutting-edge Technologies in Engineering (ICon-CuTE)

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**Programme Schedule**  
(Day 3-Saturday, 16<sup>th</sup> November 2019)  
Venue: B1007 (B1-Block, Ground Floor )

## Valedictory Function

9:30 am - 9:45 am	Welcome of Chief Guest, Shri Arun Ramchandani, Executive Vice President, L & T, Mumbai
9:45 am – 10:45 am	Presentation of abstracts of papers presented in the conference
10:45 am – 11:00 am	Address by Prof. Asheesh Kumar Singh, MNNIT Allahabad & Chairman IEEE UP Section
11:00 am - 11:30 am	Keynote speech by the Chief Guest
11:30 am - 12:00 pm	High Tea
12:00 pm – 1:00 pm	Certificates and Prize Distribution
1:00 pm - 2:30 pm	Cultural Programme <span style="float: right;">Venue: Mini Auditorium, Administrative Block ( First Floor)</span>
2:30 pm - 2:40 pm	Vote of Thanks by Conference Organizers
2:40 pm - 2:45 pm	National Anthem
2:45 pm onwards	Lunch

Sponsors:

