

Publications:

All accepted papers would be published in the Conference Proceedings (as soft-copy, with ISBN and would include abstract).

- Extended version of the selected papers would be published in Scopus/SCI/Web of Science/SCIE indexed Journals or Book Chapters, at separate reasonable charges (towards APC).
- Details about the proposed Journal or Book Chapter (as per track & topic), the APC charges, format and time-line for the journal paper submission & payment, would be communicated to the authors of the selected papers, along with the 'Paper Acceptance' notification.

Uploading the Manuscript:

<https://easychair.org/conferences/?conf=iciecca2020>

Keynote Speakers:

Opening Talk by



Prof. B. Yegnanarayana
Professor, IIIT Hyderabad, INDIA



Dr. Alben Mihovska
Professor, Aarhus University, Denmark



Dr. Zdzislaw Polkowski
Professor, Wyzykowski University,
Polkowice, Poland



Dr. Brajesh Kumar Kaushik
Professor, IIT Roorkee



Dr. Anil Vuppala
Associate Professor, IIIT Hyd., INDIA



Dr. Sivaprasad Kotamraju
Assistant Professor, IIIT Sri City, INDIA

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International Conference on

**INNOVATIONS IN
ELECTRONICS,
COMMUNICATION,
COMPUTING &
AUTOMATION**



**Virtual
Conference**

23rd to 25th November 2020

ICIECCA-2020

Organized by
Micro Electronics
Research Group



Department of
**Electronics & Communication
Engineering**

in Association with



KONERU LAKSHMAIAH EDUCATION FOUNDATION

Established in 1980, KLEF is a pioneer in the field of Engineering education and research in India. K L E F has been declared as Deemed to be University by MHRD, Government of India and accredited by National Assessment and Accreditation Council (NAAC) as "A++" grade University. It is recognized by the Department of Scientific and Industrial Research (DSIR) as Public Funded Research Institute (PFRI). It also has collaborations for conducting Joint research with a number of Institutes around the globe. It received "The best educational Institute award in engineering" by Asian Confederation of Business. In 2019 UGC, MHRD declared this institution as Category I. The University was also ranked 41 under NIRF 2020.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (Sponsored by DST - FIST)

Department of ECE was established in 1983. The department has strong back-up of 234 faculty members, specialized in core areas of ECE. Among 87 faculty members are PhD holders and 121 faculty members are pursuing PhD. Department houses several rich industry experience faculties to cater the industry needs into academics. The Department has a total of 7 State of the Art laboratories, 2 Centers of Excellence and 8 Research Centers which are well equipped to the highest level of sophistication and cater to the needs of UG, PG and PhD students.

SCOPE OF ICIECCA-2020 CONFERENCE

Three-day Virtual International Conference (ICIECCA - 2020) will be organized by MERG, KLEF during November 23rd - 25th, 2020 through online mode. A number of proven personalities from Industry, Research Organizations and Academic Institutions have given their consent to grace the conference to emphasize the benefits of Recent Trends in Electronics and Communication Engineering for a wide variety of engineering applications.

CONFERENCE THEME

Track 1: Semiconductor Devices, VLSI Design, Electronic Circuits Design

• Electron Devices • Analog & Digital Electronics Circuits • Electronic Design Automation • System on Chip • Power Systems and Power Electronics • CMOS Circuit Design • VLSI Design • FPGA and ASIC design • Electronic Circuits Design for Healthcare

Track 2: MEMS/Nano Technologies, IoT & Biomedical Systems

• Micro and Nano Fabrication & Manufacturing process • Advance Memory devices and circuits • Power

Semiconductor technology and circuits • MEMS/NEMS • 3D Process and Integration Technologies • Biomedical Devices, Sensors • Instrumentation and Diagnostics.

Track 3: Multi Hyper-Modal Signal Processing with AI & ML for Healthcare Applications

• Machine Vision & Learning • Pattern Analysis • Image Processing • Sensor array & Multi-channel • Medical and biomedical imaging • DSP Algorithms & Architectures • Audio/Speech & Video Processing and Systems • Adaptive, Statistical, Biomedical, Distributed & Satellite Signal Processing • Underwater Communication • AI & ANN

Track 4: Wireless Communication Technologies, Networks & Big Data Applications

• Wireless Networks and Applications • CDMA, OFDM and MIMO System Design • 4G/5G/6G Communication and Network • Wireless Sensor & Ad Hoc Networks • Security in Mobile and Wireless • Network Security and Privacy • Smart Grid Communication • Mobile Big Data • Optical Networking • Opto-electronic Devices • E-health Services • Artificial Intelligence • Cryptography and information security.

Track 5: Electromagnetic, RF, Microwave & Wearable Technology

• Electromagnetic Theory • RF & Antenna Design • Mobile and Vehicular antennas • RFID antennas and systems • Broadband / ultra-wideband antennas. • Microwave/MM-Wave/THz Circuits and systems • Reconfigurable RF Architecture & Circuits • Wearable, Flexible, and Stretchable Electronics • RF front-end terminal • EMC/EMI • Smart Antenna.

Track 6: Automation, Robotics & Optimization Algorithms

• Embedded Systems • Robotics • Cloud/Grid/ Distributed Computing, • Optimization Techniques • Parallel and Distributed Algorithms • Neural Networks and Fuzzy Logic • Embedded Sensing and Computing • Robot Sensors & Networks • Digital Factory • Smart Manufacturing • Web-of-Things • Robotic hands • IoT and Cloud of Things Architecture.

CONFERENCE SOUVENIR

Conference souvenir will be brought out during ICIECCA-2020 giving abstracts of all the presented papers.

CALL FOR PAPERS

ICIECCA-2020 invites papers related to various techniques on Recent Developments in Electronics and Communication Engineering for presentation. The papers and invited talks by eminent practicing engineers are expected to benefit the participants. Papers presented in ICIECCA-2020 will be

provided with an opportunity to publish in OPEN ACCESS JOURNAL (Web of Science indexed, Science Citation Index Expanded and SCOPUS indexed) up on acceptance after satisfactory peer-review by the journal editorial board.

Guidelines for paper submission

- Experimental investigation with specific conclusions
- Original Contribution, not published earlier
- Case studies of industrial importance
- Simulation studies with practical demonstration/result
- Design of Instruments / Systems / Software

Format for submission of paper

- Paper should not exceed 6 (six) A4 Size sheets
- Font : Times New Roman
- Margins : Left = 1.5 Inch Right, Top & Bottom = 1.0 Inch
- Abstract: 11 Point Italic with single line spacing to be placed after title and other details.
- Key words : 4 (Four)
- Text : 12 Point normal justified Para heading: 12 Point Bold Sentence case Spacing = 1.5 lines Figures to be inserted in jpg Format.
- At least one of the authors is required to register and attend the conference for presenting the paper.
- Maximum number of authors is 4 (Four)
- E-mail of the corresponding author should be given.

Dates to Remember

Submission of Full Papers Deadline	11 th Oct., 2020
Notification of Acceptance/ Revision request	25 th Oct., 2020
Submission of Camera-Ready Paper Dead-line	31 st Oct., 2020
Author Registration Deadline	7 th Nov., 2020
Conference Dates	23 rd -25 th Nov., 2020

Registration Fee

Minimum one author per paper should register for presenting the work

	Indian Author	Foreign Author
Industry	Rs. 2000/-	60 USD
Faculty Member	Rs. 1500/-	50 USD
Research Scholar and Student	Rs. 1000/-	30 USD
Non-presenting Member (Attendees)	Rs. 500/-	20 USD

Extended version of the selected papers will be published in the Web of Science indexed, Science Citation Index Expanded and SCOPUS Indexed journals on a nominal fee, which will be announced later.