



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

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IEEE

Madras Section
Computer Society
Chapter

&

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Society
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International Conference
on

EMERGING TRENDS IN INFORMATION TECHNOLOGY AND ENGINEERING

Organised By

School of Information
Technology and
Engineering



24-25 FEB 2020

Vellore Institute of Technology
Vellore

International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE-2020), is technically co-sponsored by IEEE Madras Section Computer Society Chapter & IEEE Madras Section Communications Society Chapter and supported by ACM-Chennai Professional Chapter. This event will take place in Vellore Institute of Technology, Vellore during 24-25 February 2020. The purpose of this conference is to enhance the research in Information Technology, Computer Engineering, Communication Engineering, Electronics Engineering and to afford an international platform for the researchers, academicians, engineers, industrialists and students around the world to share their research findings with the global experts in the field of Science and Technology. The primary goal of the conference is to help the delegates to launch their research or business relations and to associate for future collaborations in the career path. Original, unpublished papers highlighting specific research domains from all subject perspectives are invited from delegates worldwide. In this concern, the conference aims to deliver, coordinate and publish research and resources to enrich the impact and growth of education allied.

Theme of the Conference

ic-ETITE 2020 expresses its concern towards the upgradation of research in Information Technology and Engineering. It motivates to provide a worldwide platform to researchers far and widespread by exploring their innovations in the field of science and technology. The mission is to promote, improve the research and development related to the topics of the conference. The essential objective of the conference is to assist the researchers in discovering the global linkage for future joint efforts in their acad. and research outlook.

About VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT attracts students from all the 29 states of India and more than 41 different countries because of its academic excellence. The credentials of VIT in academics and research, has placed VIT in the 13th position among the engineering institutions and VIT Business School has placed 17th position among the business schools in India by NIRF, Govt. of India Ranking. The world ranking body namely the QS has given 4 STAR rating to VIT, with that VIT becomes the first institution in India to have the 4 STAR rating. In addition to this, the consortium of industries, FICCI has adjudged VIT as the “Excellence in Faculty”. VIT has the record of publishing maximum number of SCOPUS Indexed Research Journal papers in 2016, among Indian Universities, overtaking all the premier institutions. VIT has also completed 3 cycles of NAAC accreditation and has been rated as “A” grade institution. In addition, VIT also has obtained for the coveted ABET accreditation by US agency. VIT has introduced many innovations in academic processes which adds value

to every student. FFCS (Fully Flexible Credit System), PBL (Project Based Learning) for better learning, fully digitized academic portals that assists students in equipping themselves for 2020 market place, Hackathons / Makeathons as part of curriculum exercise which kindles the interest and the curiosity of students, which moulds them to be better problem solvers, 8th module in every subject being handled by industry experts, making the students contextualize the concepts they study in the classroom, are a few of the innovations that VIT has introduced.

About the School

School of Information Technology and Engineering (SITE) offers B.Tech(IT), M.Tech(IT), M.Tech(Computer & Communication Engineering), MCA, BCA, M.Tech(Software Engineering), B.Sc (Computer Science), M.Tech(by Research) and Ph.D programs in the domain of Information Technology and Engineering. With the housing of over 4800 students and 180 faculty members, the school works closely with leading industries and research organizations. The school has also set up centre of Excellences in collaboration with CISCO, Cognizant and Virtusa. It has a track record in organizing number of Seminars, Workshops, Symposia and Conferences in the emerging and technical areas of Information Technology and Engineering.

Manuscript Submission

The papers should be submitted through <https://easychair.org/conferences/?conf=icetite20>

All submitted papers will go through plagiarism check process.

Manuscript should not contain embedded links, scanned images, headers and footers.

Email submission will not be accepted.

All queries related to the conference shall be addressed to icetiteconference@gmail.com.

All presented papers in the conference will be submitted to IEEE for possible publication in the IEEE Xplore® digital library. The extended version of selected papers will be recommended for publication in Scopus indexed journals.

Original Contributions are solicited on topics covered under broad areas not restricted to

Information Technology

- Information Systems
- Information Retrieval
- Information Security
- Cloud Computing
- Cloud Security
- Knowledge Management
- Molecular Information Systems
- Data Management & Visualization
- Cyber-Physical Systems
- Security Systems
- Digital Society
- Big Data Analytics
- Data Mining and Sentiment Analysis
- Social Network Analytics
- Data Sources and Integration
- Multimedia and Internet Security
- Image And Video Retrieval
- Web-based Application and Service Security
- Cyber Security
- Network security and Cryptography
- Digital Forensics
- Biometric Security
- Malware Analysis and detection
- Secure IoT
- Web Ontology
- Web Intelligence
- Search Engines
- Innovative Information Security
- Deep Learning
- E-learning

- Image and Video Retrieval
- Web-based Application and Service Security
- Cyber Security
- Network security and Cryptography
- Digital Forensics
- Biometric Security
- Malware Analysis and detection
- Secure IoT
- Web Ontology
- Web Intelligence
- Search Engines
- Innovative Information Security
- Deep Learning
- E-learning

Communication Engineering

- | | |
|---|--|
| <ul style="list-style-type: none"> • Wireless & Sensor Systems • Social Networking • Communication Signal processing • Wireless Communications • Mobile Communication • Ad-Hoc Networks • Innovative Networking and Communication Techniques • Data Communication • TV And Sound Broadcasting • Communication IC Design • Telecommunication Networks • Radio and Satellite Communications • Radar, Sonar and Navigation Systems • Space Technologies • Zigbee Technology • Human Area Network | <ul style="list-style-type: none"> • Next Generation Protocols • Software Defined Network • GPRS • HSPA • Fibre Optic Communication • Modelling and Simulation • Sensor & Micro-Machines • Wireless Video • Intelligent Control Systems • Internetworking of WLAN & Cellular Networks • Electronics, Information & Control Systems • Antenna & EMC/EMII • Aerospace Applications • Speech Processing |
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Computer Engineering

- | | |
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| <ul style="list-style-type: none"> • Computer Architecture • Computing for Development • Cognitive Analysis • Fuzzy Systems | <ul style="list-style-type: none"> • Granular Computing • Modern Operating Systems • Rough Sets • Storage Techniques |
|---|--|

Computer Engineering

- Computer Architecture
- Computing for Development
- Cognitive Analysis
- Fuzzy Systems
- Granular Computing
- Modern Operating Systems
- Rough Sets
- Storage Techniques
- User Interfaces
- Next Generation Computing Technologies
- Virtualization
- Pervasive Computing
- Human Computer Interaction & Accessible Technology
- Machine Learning
- Computation Intelligence
- Natural Language Processing
- Programming Languages & Software Engineering
- Systems & Networking
- Theory of Computation
- Ubiquitous Computing
- Artificial Intelligence
- Augmented & Virtual Reality
- Computer Graphics, Vision, Animation, & Game Science

Electronics Engineering

- Fabrication
- Robotics
- Digital Image/Signal Processing
- VLSI/Embedded systems
- Microprocessor Based Technologies
- Applied Electromagnetics and RF Circuits
- Control Systems
- MEMS and Microsystems
- Optics and Photonics
- Plasma Science and Engineering
- Power and Energy
- Quantum Science and Technology

- Solid-State Devices and Nanotechnology
- Antenna and Wave Propagation
- Intelligent Systems Architectures And Applications
- Microelectronics
- Nano-electronics
- Power Electronics
- Signal and System Theory
- Solar Technology
- Network Theory
- Information Theory
- Communication Theory and Techniques
- Modulation Techniques
- Source and Channel Coding
- Switching Theory and Techniquesas
- Communication Protocols
- Optical Communications
- Microwave Theory and Techniques
- Wave Propagation
- Measurement and Instrumentation
- Circuit Design
- Simulation and Cad
- Microwaves, Antennas and Radio Propagation
- Optoelectronics
- Electromagnetic Compatibility
- Digital Governance

Extended versions of selected papers will be recommended for publication in reputed Scopus indexed journals.

Important Dates

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| Full Paper Submission | : 05 November 2019 |
| Notification of Acceptance | : 20 December 2019 |
| Camera Ready Paper Submission with Registration | : 06 January 2020 |
| Conference Dates | : 24 & 25 February 2020 |

Registration Details

| Category | Indian Authors & Delegates | Foreign Authors & Delegates |
|--|----------------------------|-----------------------------|
| Industry Professionals | Rs. 10,000 | 300\$ |
| Faculty / Academicicians | Rs. 8,000 | 250\$ |
| Faculty / Academicicians (IEEE Members) | Rs. 7,000 | 225\$ |
| Research Scholars, UG and PG Students | Rs. 6,000 | 200\$ |
| Research Scholars, UG and PG Students (IEEE Members) | Rs. 5,000 | 175\$ |
| VIT (internal) | Rs. 4,000 | - |
| Co-Authors / Participants (Non-authors) | Rs. 3,000 | 100\$ |

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