

Proceedings will be published in Scopus Indexed conference series and extended version of selected papers will be considered for SCI Indexed Journals. (Kindly refer website frequently. URL: www.veltech.edu.in/fsst)

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ACCOMMODATION

Accommodation can be arranged in the university guest house and hostels on availability or nearby hotels on chargeable basis upon prior request.

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CONFERENCE PROCEEDINGS PUBLICATION:

Accepted, registered and presented papers will be published by Springer conference series. ** Indexing: The books of this series are submitted to ISI Proceedings, EI-Compendex, SCOPUS and Springerlink **.



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s A of U.G.C. Act, 1986)

First call of papers for

**International Conference
on**

**FRONTIERS IN SMART SYSTEM
TECHNOLOGIES (FSST)**

**"Exploring the Innovative Solutions
for Smart Country"**

3rd - 5th April 2019

**Organized by
Department of Electronics & Communication
Engineering**

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ABOUT VEL TECH

Vel Tech offers UG, PG and Ph.D. programmes in both Engineering and Management. The Institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies. Vel Tech is the first member from India to be part of CDIO, an innovative educational framework for producing the next generation of engineers. Vel Tech has been recognised as the Best Engineering Institution and ranked as First in India and 74th in the world by Times Higher Education World Young University Ranking 2016-2017 and 43rd in Asia by Times Higher Education Asia University Ranking 2017. The TBI(Technology Business Incubator) of Vel Tech is recognized as the Center of Excellence under NIDHI by the Government of India.

ABOUT SCHOOL

The School of Electrical and Communication at Vel Tech imparts knowledge in electrical, electronics and communication engineering and all other allied areas. The students of the school actively participate in nationally reputed clubs such as robotics club and small device programming club, to enthuse and bring out their skills from them. Many of the faculty members of the school are doctorates from reputed Institutions from India and Abroad. The students of the School are involved in nationally significant projects namely Small Satellite projects in collaboration with International Industries in France, Germany etc. The department has been consistently producing illustrious engineers of fine caliber and enabling them to occupy the prestigious position in the academics and in the industrial fields. The PG programmes are designed and developed in close interaction with Industry partners like C-DAC, FRCI, RAI, NAASCOM etc.

ABOUT ECE DEPARTMENT

The inception of the Department of Electronics and Communication Engineering was in the year 1997. Over the time, the department has emerged in diverse dimensions and affords a spellbound ambience for teaching and learning. The department offers B.Tech. in Electronics and Communication Engineering, M.Tech. in Embedded Systems and Technologies and Ph.D. in ECE degree programmes with technology oriented courses that creates industry ready personnel in the prudent fields of Electronics and Communication Engineering. All the programmes are approved by AICTE and the B.Tech. ECE program has received Tier I NBA accreditation in the year 2018. The department has been strengthened by its erudite faculty members from reputed Universities and organizations. The key areas of research and academic activities in the department are VLSI Design, RF and Microwave Antenna Design, Signal Processing, Image and Video Process



ing, Embedded Systems Design, Wireless Sensor Networks, Unmanned Aerial Vehicles and Small Satellites. The faculty and students have won awards like CANEUS Lockheed Martin Award in IISC for Small Satellites, Aegis Graham Bell Award for Unmanned Air Vehicles and various innovative achievements.

The department has well equipped curriculum based laboratories and state of the art facilities for research and development like Texas Instruments powered IoT & Signal processing labs, Xilinx powered System on Chip lab, eYantra Embedded systems and Robotics lab supported by MHRD and IIT Bombay and FranceCol lab in collaboration with FranceCol technology, France. Several initiatives in alliance with International Universities and Core Electronics Industries are also given cardinal importance in the department. The department is actively associated with organizations such as Centre for Development of Advanced Computing (C-DAC, Pune), Automotive Research Association of India (ARAI, Pune), NASSCOM and Kwalita Photonics.

ABOUT FSST

Smart Systems allows the designers to build a specific system out of components which is able to obtain the information from the surroundings, to process it electronically, to communicate signals and data and to give enabled feedback signal to the ambience.

The whole system is subject to the trend of today's world: miniaturization, networking capability, energy-autonomy and reliability. Due to increasing complexity and multidisciplinary developing teams in fields of microsystems- and nanotechnology, electronics, wireless communication technologies, optics, biology, medical science, and fluidics face highest demands.

The conference will provide a platform for researchers and practitioners interested in the theory and practice of smart systems and technologies related to electrical engineering, communications, computer science and engineering, control systems, robotics, as well as interdisciplinary research and applications.

CONFERENCE TOPICS

Track 1: Smart Systems

- Smart Antennas
- Smart Health
- Smart Houses and Cities
- Smart Systems and Technologies in Education
- Smart Systems for Green Energy
- Smart Systems in Business Information Systems
- Software Engineering for Smart Systems
- Smart Grid Communication Systems
- Applied Electromagnetics in Smart Systems
- Big Data and Smart Systems
- Biometrics and Smart Systems

TRACK 2: INTELLIGENT AND AUTOMATION

- Computational Intelligence
- Intelligent Power Systems and Environments
- Intelligent Transportation Systems
- Internet of Things
- Agriculture Automation
- Control Systems and Robotics

TRACK 3: COMMUNICATION AND NETWORKING

- Communication Systems
- Green Communication
- Mobile and Wireless
- Networks
- Networking
- Image and Video Processing
- Digital signal processing systems
- Security and Privacy

TRACK 4: COMPUTING AND COMPUTER SYSTEM

- High Performance
- Computing
- Dependable Computer Systems
- Embedded Systems
- FPGA / VLSI
- System on Chip
- Green Computation
- Cloud Computing
- Cyber-Physical Systems



REGISTRATION FEE

Online payment and registration visit
www.veltech.edu.in/fsst/

Category	Early Bird	Standard
UG/PG Students	Rs. 5000	Rs. 5500
Research Scholars	Rs. 6000	Rs. 6500
Faculty	Rs. 7000	Rs. 7500
Industry Persons	Rs. 8000	Rs. 9000
Participant	Rs.2000	
Foreign Authors	USD 120	USD 130

IMPORTANT DATES

Paper Submission Ends	: 10 th March 2019
Acceptance Notification	: 15 th March 2019
Camera Ready Paper Submission	: 18 th March 2019
End of Early Bird Registration	: 20 th March 2019
End of Standard Registration	: 30 th March 2019
Conference Dates	: 3 rd – 5 th April 2019