

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](http://www.veltech.edu.in/fsst))

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Vel Tech Rangarajan Dr. Sagunthala R&D Institute of  
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Avadi, Chennai - 600 062.

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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.

## CONTACT US:

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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-Compindex, SCOPUS and Springerlink \*\*.



**Vel Tech**  
Rangarajan Dr. Sagunthala  
R&D Institute of Science and Technology  
(Deemed to be University) Est. in 3.01.1984 Act, 1986

First call of papers for

International Conference  
on

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

“Exploring the Innovative Solutions  
for Smart Country”

3<sup>rd</sup> - 5<sup>th</sup> April 2019

Organized by  
Department of Electronics & Communication  
Engineering

Publication Partner



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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 Department of ECE focuses on R&D and academic excellence in the fields of electrical, electronics and communication engineering, established since 1996. The department offers programmes in core electronics and industry relevant domains at B.Tech, M.Tech and Ph.D levels. The unique mandate of this department are Automotive Electronics, Communication Antenna, Embedded Systems, Small Satellites, VLSI and unmanned Air Vehicles (Drone). The department labs are well equipped under industry specification and research

factors in areas of electronics and communication. Additional special feature of the labs are that they function in association with Industry and research organisations such as centre for development of advanced computing C-DAC, Pune), Automotive Research Association of India (ARAI, Pune), NASSCOM, Kwality Photonics etc. The quality education is achieved through state-of-the-art technology centred pedagogy. The faculty and students of ECE department won awards like CANEUS Lockheed Martin Award in IISC (Small Satellites), Aegis Graham Bell Award (Unmanned Air Vehicles) and many other innovative achievements. ECE department is always striving to create careers for students in several industries BOSCH, EMC2, IBM, WIPRO, Shwing Stetter, TCS, Va Tech Wabag Ltd., Zebronics etc., and also enable the students to pursue higher education in renowned foreign institutions such as NJIT USA, Illinois Institute of Technology USA, university of Texas Arlington USA, Nagoya institute of Technology Japan etc.

## 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

### Track 2: Intelligent and Automation

- Computational Intelligence
- Intelligent Power Systems and Environments

- 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
- 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/](http://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 : 5<sup>th</sup> January 2019  
Acceptance Notification : 31<sup>st</sup> January 2019  
Camera Ready Paper Submission : 26<sup>th</sup> February 2019  
Early Bird Registration : 16<sup>th</sup> March 2019  
Conference Dates : 3<sup>rd</sup> – 5<sup>th</sup> April 2019