IEEE CONFERENCE ON SMART AND SECURED SUSTAINABLE CITIES (ICSSSC'2k)
Chennai, India
March 25 to 28, 2020

SRM INSTITUTE OF SCIENCE & TECHNOLOGY (Deemed to be University u/s 3 of UGC Act, 1956)

ABOUT THE UNIVERSITY

SRM Institute of Science & Technology was initially started as SRM Engineering College in the academic year 1985-1986 at Kattankulathur, Kancheepuram District, Tamil Nadu. SRM IST was established in the year 2003 and the Faculty of Engineering and Technology (E&T) was carved out, which now consists of all the schools and departments related to Engineering and Technology including Architecture and Interior Design in four different campuses namely, Kattankulathur, Ramapuram, Vadapalani and Modinagar (near New Delhi). The other Faculty under SRM IST includes Science and Humanities, Management, Medicine & Health Sciences, Law and Agriculture Sciences. The main sylvan campus of Kattankulathur consists of a lush green environment with a built up area of 1,70,000sq.m for laboratories, workshops, library, classrooms, Technology Park etc. Excellent infrastructure and world class facilities in the institution help the students and faculty members to pursue their research in an efficient manner. For further information about our institution please visit the following

URL: www.srmuniv.ac.in

ABOUT THE DEPARTMENT

The Department of IT offers an undergraduate program and three post graduate programs: Big Data Analytics, Information Security & Computer Forensics and Cloud Computing.

The department is equipped with more than 500 computing systems spread over eleven laboratories to meet the needs of the Students. A committed and hardworking team of faculty members take care of the academic requirements in an effective manner. Department of IT, SRM IST, has collaborative agreement with CISCO, IBM and Oracle.

ADOUT THE CONFERENCE

IEEE Conference on Smart and Secured Sustainable Cities would offer huge potential to revolutionize a range of application areas within today's society including areas such as healthcare, energy management, transportation, Environmental, Disaster, security and smart buildings. This is based upon technical infrastructureslike smart sensing / devices / materials, IoT, networking, cloud computing, big data, machine learning and mobile edge and cloud services.

The Conference ICSSSC 2020 will provide the opportunity for researchers to discuss the state-of-the-art from both a theoretical and application perspective. The Conference aims to provide a unique platform for multi-disciplinary researchers towards exchanging innovative ideas and challenges, research results and solutions.

The IEEE ICSSSC 2020 will include program of technical papers, accompanied by keynote presentations. Original contributions are welcome from both a technical and application perspective. The theme of the conference will help to investigate how Smart City Innovations can manage issues surrounding reliability in addition to considering how ideas and concepts can be deployed on a large scale.

The conference is hosted by Department of Information Technology, School of Computing, SRM Institute of Science and Technology, Kattankulathur Campus, Chennai, in partnership with IEEE Chennai Chapter.

Topics of Interest include but not limited to

IoT & Edge Computing

- Architectures for the Internet of Things (IoT)
- End To End/Machine to Machine (M2M) Protocols
- Knowledge-Based Discovery of Devices in the IoT
- Scalability and Robustness for Internet of Things
- Architecture of Edge Computing systems in IoT for Smart Cities
- Communication among Edges of an Edge Computing system
- Communication between Edges and central cloud in an Edge Computing system
- Workflows in Edge Computing
- Quality of Service in Edge Computing
- Pricing and Billing in Edge Computing
- Applications of Edge Computing
- Mission critical Edge Computing

Wireless Communication

- Mobile broadband technologies (3G/4G/5G) to support connectivity in smart cities
- Zigbee, RFID, Bluetooth , 6Lowpan communication
- Fog computing and networking
- Mesh, relay, sensor and ad hoc networks
- Cognitive radio and networking
- Software Defined Networking
- Efficient Resource Management in IoT
- Energy Efficiency in IoT
- Routing in IoT
- Modelling and Communicating Transparency in IoT
- Performance Evaluation of IoT Technologies

Machine Learning &Data Analytics

- Cloud computing and cloud-based data sharing
- Cloud Management and Operations
- Cloud economics
- IoT Data analytics
- Edge Data Analytics
- Big Data Architectures
- Big Data Management
- Performance, scalability, and reliability
- Big data analytics (concepts, methods, techniques and tools)
- Intelligent systems
- Machine learning for smart cities
- Deep Learning for Smart Cities
- Open data usage, applications and services

Security, Privacy and Identity Issues

- New security, privacy and identify problems and risks in IoT applications of smart cities
- Security and privacy requirements in smart city applications and services
- Technologies and methods to protect data security and user privacy and identify in smart cities

- Risk identification, assessment and mitigation strategies to handle security and privacy concerns
- Security and Privacy in Edge Computing systems
- Blockchain Security for Smart Cities

Applications and Industry Practice
- Smart grids for smart cities and rural
- Smart city theory, modelling, and simulation
- Vehicle-to Infrastructure/People
- Sensors & Intelligent Electronic Devices
- Management Control Platforms
- Smart environment & ecosystems
- Special needs
- Smart transportation system
- Smart sewage& water management
- Smart healthcare service monitoring
- Smart emergency altering, management and infrastructures
- Smart crime watching and alerting systems
- Smart education, training and social services
- Smart home, smart building and social community networks/infrastructures

Greenness and Sustainability
- Green and sustainable requirements, features and strategies in smart cities
- Renewable energy models in smart cities
- Green computing and green IT solutions in smart cities
- Methods and metrics to measure the greenness and environmental impacts of smart city development

New Business Concerns
- Emerging business models and services in smart cities
- Innovative economic models emerged in smart cities
- Market sizing and business opportunities in smart cities
- New market rules, legislation, incentive schemes, and tariffs for smart city services

Prospective authors are encouraged to contributehigh-quality original 8 pagesdouble column format.The papers should be original contribution written in English and formatted according to IEEE Template. Paper be Conference content will be submitted for inclusion into IEEE Xplore Digital library which would be indexed in Scopus. All submitted manuscripts will be peer-reviewed by at least 3 peer review committee members.

Paper Registered and presented in the conference physically or through video only be published in the proceedings and appear in IEEE Xplore Digital Library (Awaiting IEEE Approval)

Deadlines

Submission deadline	: 1st September 2019
Notification of acceptance	: 15th October 2019
Camera ready version	: 30th November 2019

Indian Delegates

Category	Registration Fee(Early Bird)	Late Registration Fees
IEEE Member	6500	7000
Non-IEEE Member	7000	7500
Industry Delegates	7500	8000
Student IEEE Members	4000	4500
Student (Non-IEEE) Members	5000	5500
Co-Author/Additional Paper	3000	3500

Foreign Delegates

Category	Registration Fee(Early Bird) USD	Late Registration Fees (USD
IEEE Member	500	550
Non-IEEE Member	600	650
Industry Delegates	700	750
Student (IEEE) Members	300	350
Student (Non-IEEE) Members	400	450
Co-author/Additional Paper	300	350

Conference registration fee (Student/Full/Industry)&Co-Authors includes a copy of the conference proceedings (in a USB Drive or equivalent); admission to Keynote talk, technical sessions, morning and afternoon tea/coffee breaks and lunch, Gala Dinner and e -Certificate/Certificate for the Presenter

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