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Prof. (Dr) Byju Bai T. P.  
Director of Technical Education, Kerala

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## FOR FURTHER DETAILS PLEASE CONTACT:

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2<sup>nd</sup> National Conference on

**NCSSTA** / 20  
Small satellite Technology and  
Applications 2020

(E-CONFERENCE)

11<sup>th</sup>-12<sup>th</sup> December, 2020

ORGANIZED BY  
**College of Engineering Trivandrum**  
Thiruvananthapuram, Kerala, India

In association with  
**Society for Small Satellite Systems (SSSS)**  
and  
**SpacePark, Kerala**

<https://ncssta20.cet.ac.in>



## THIRUVANANTHAPURAM

Thiruvananthapuram, commonly known by its former name Trivandrum, is the capital of Kerala. It is the most popular city in Kerala and is located on the west coast of India near the extreme south of the main land. Thiruvananthapuram is a major Information Technology hub in Kerala and is referred to by Mahatma Gandhi as the "Evergreen city of India". The city is characterised by its undulating terrain of low coastal hills. Thiruvananthapuram is a notable academic and research hub and is home to the University of Kerala, APJ Abdul Kalam Technological University, the regional headquarters of Indira Gandhi National Open University, and many other schools and colleges. Thiruvananthapuram is also home to research centres such as Indian Space Research Organization's prominent centres like VSSC, LPSC and IISU, the National Institute for Interdisciplinary Science and Technology (NIIST), the Indian Institute of Space Science and Technology (IIST), and a campus of the Indian Institute of Science Education and Research (IISER). Thiruvananthapuram is a major tourist centre, known for the Padmanabhaswami Temple, the beaches of Kovalam and Varkala, the backwaters of Poovar and Anjuthengu and its Western Ghats, tracts of Ponmudi and the Agastyamala.

## COLLEGE OF ENGINEERING TRIVANDRUM

The College of Engineering Trivandrum was established in 1939 as the first Engineering College in the then Travancore State and this year the college is celebrating its 80th year of existence. Presently, the college has full-fledged departments offering 8 undergraduate, 27 postgraduate and doctoral programmes under the APJ Abdul Kalam Technological University. The College has around 4500 students, 311 teaching staff and 290 non-teaching staff. B.Tech, B.Arch, M.Tech, M.Plan, MCA, MBA, PhD and evening courses are also offered by the College. Recently, CET has ranked 84 in the list of top 100 engineering colleges in the country by NIRF, MHRD, Government of India in the year 2019.

## SOCIETY FOR SMALL SATELLITE SYSTEMS (SSSS)

Society for Small Satellite Systems was formed in the year 2017 with the objective of generating interest among students and researchers in small satellite systems technology. It provides a platform for the people working on small satellite systems to interact and exchange ideas with experts in the field of Space Technology.

## ABOUT NCSSTA-2020 (E-CONFERENCE)

Small Satellites are becoming increasingly popular in large number of applications which are accomplished earlier with medium or large satellites. Applications such as disaster management, agriculture, water resources, geology and urban planning now employ the services of small satellites. The rapid rise in demand has called for better technology in miniaturization, design, production, data acquisition and storage. This conference attempts to provide a platform for technologists and students working on these domains to showcase their research outcomes.

## THRUST AREAS

1. Small Satellite Mission and Systems Engineering
2. Small Satellite Applications
3. Structural, Mechanical and Thermal Challenges for Small Satellites
4. Satellite Attitude and Orbit Control System
5. Power Management Systems for Small Satellites
6. Navigation and RF Systems
7. Payloads for Small Satellites
8. Quality, Testing and Reliability aspects of Small Satellites
9. Spacecraft Autonomy

## CALL FOR PAPERS (ONLINE)

Authors, who are desirous of presenting papers, are requested to electronically submit extended abstracts of their original work (not more than 4 Pages) written in English in the area of interest through <https://ncssta20.cet.ac.in>

All accepted and presented papers, in extended form will be considered for possible publication in "Springer Nature" after a standard peer review process.

## DATES OF IMPORTANCE

Extended Abstract Submission :	15-09-2020
Acceptance of Paper :	15-10-2020
Camera Ready Paper :	30-10-2020
Registration Starts on :	30-10-2020

## REGISTRATION

Students	- Rs. 500/-
Faculty	- Rs. 1000/-
Individual/Industry	- Rs. 1000/-

## MODE OF PAYMENT

Payment should be made online to the A/C NO. given below and kindly fill the registration form also available in the conference site giving the full details of the payment.

A/C Name :	NCSSTA-2020
A/C NO. :	39216452092
Branch :	SBI, Engineering College Branch
IFSC :	SBIN0070268

## WHO CAN PARTICIPATE

Students, persons from Academia, Industry and Research Institutions working in the area and from any discipline are eligible to submit the paper and attend the conference.