## About SASTRA

Shanmugha Arts, Science, Technology & Research Academy (SASTRA Deemed University) is a Category – I University (University Grants Commission's Graded Autonomy Regulations 2018) offering Undergraduate, Postgraduate and Doctoral programmes in Engineering, Sciences, Education, Management, Law and Arts. A sprawling campus having a built-up area of 3,00,000 square meter spread over 232 acres and a vibrant population of students and teaching faculty have made SASTRA a landmark in the educational map of India. SASTRA has achieved national standing in terms of academic performance, co-curricular and extra-curricular activities and also in its growth and commitment to social service. In recognition of its commitment of these, SASTRA has been re-accredited with Grade "A++" by the National Accreditation and Assessment Council. In a first-of-its kind recognition, twelve engineering programmes of SASTRA have been accredited by Institution of Engineering & Technology (IET), UK for a period of 9 years. SASTRA houses three Technology Business Incubators supported by the Government of India in the areas of Additive Manufacturing, Internet of Things, Augmented Reality & Virtual Reality, and Medical Devices & Diagnostics and Food processing.

## About School

The School of Electrical & Electronics Engineering (SEEE) was established in the year 2003 and offers various UG and PG programmes. SEEE at SASTRA is among the leading schools of its kind in the nation, built on fundamentals of Applied Mathematics and Engineering Physics, providing multidisciplinary, systems-oriented UG and PG education and research. Starting their freshmen year, students will be given the opportunity for hands-on skills facilitated by reputed faculty members in high-demand areas including Radar, Information Security, Cyber-Physical Systems, Communications, Power Systems, Control Systems, and Robotics. The school is oriented towards imparting high-quality education using modern day effective pedagogic approaches at both UG & PG levels attracting meritorious students. The school has now built its reputation in the field of research addressing many socially related problems. The research work of the school is supported by governmental funding agencies and industry consultancies. The quality of the research output and human resource output is improving over the years, and it is evident through the high impact factor publications and the positive employer feedback about our students.

## About the Conference

RFCoN 2025 is the First International Conference on RF Communication and Networks to be held at SASTRA Deemed University, Thanjavur, Tamil Nadu, India. The conference provides a great opportunity to share the latest developments in RF communications, devices, and networks. It brings together students, researchers, and engineers who are passionate about wireless communication, electromagnetics, RF systems, wireless networks and cloud architectures. RFCoN 2025 features technical sessions on thrust areas along with tutorials and panel discussions. Proposals to organize tutorials, and panel discussions in line with the conference theme are encouraged.

## Paper Submission

RFCoN 2025 invites authors to submit original, unpublished research papers for single-blind peer review. Papers can be submitted using the following link:
https://cmt3.research.microsoft.com/RFCoN2024
Papers should strictly adhere to the IEEE conference formatting guidelines using the templates available at http://www.ieee.org/conferences/publishing/templates.html
The conference papers should not exceed six pages including references. In accordance with the IEEE policy, plagiarism in any form is unacceptable. Authors are requested to carefully upload the co-authors, no authors will be included or excluded at the later stage. Accepted and presented papers will be published in the RFCoN 2025 Conference Proceedings and submitted to IEEE Xplore®.

**Papers are invited on the following tracks (not limited to)**
Track – 1: Wireless Communication
Track – 2: Electromagnetics and RF Systems
Track – 3: Wireless Networks and Cloud Architecture
Track – 4: 6G Devices and Systems
Track – 5: Channel Modelling
Track – 6: RF Signal Processing

For more details visit, https://sastra.edu/RFCON25

**Important Dates**
Paper Submission: ~~Feb 05~~ **Apr 05, 2025**
Notification: ~~Mar 01~~ **Apr 25, 2025**
Camera Ready Paper: ~~Mar 15~~ **Apr 30, 2025**

# International Conference on Radio Frequency Communication and Networks (RFCoN 2025)
## 19-20 June, 2025

Hybrid mode

### Sponsors

IEEE Madras Section

IEEE AP-S Antennas and Propagation Society

iNSERB INDIA

Organized by
**School of Electrical & Electronics Engineering
SASTRA Deemed University
Thanjavur, Tamil Nadu, India**

## Speakers

**Dr. R. Swaminathan**
Senior Member, IEEE, Associate Professor, Department of Electrical Engineering, IIT Indore, India

**Dr. Jayprakash Thakur**
Senior Member, IEEE, Principal Engineer, Intel, Bangalore, India

**Dr. D. Venkata Ratnam**
Senior Member, IEEE, Professor and Head Research, KL University, Vaddeswaram, India

**Dr. Carlo Scotto**
Senior Researcher, INGV, Rome, Italy

**Dr. S. J. Thiruvengadam**
Professor, Thiagarajar College of Engineering, Madurai, India

**Dr. M. S. Sricharan**
Group Head, Wipro, Chengalpattu, India

**Dr. Paolo Rocca**
IEEE Fellow – ELEDIA@UniTN, Associate Professor, University of Trento, Italy

**Dr. Aheibam Dinamani Singh**
IEEE (SM), Dean (R&C), Electronics & Communication Engineering, NIT Manipur, India

**Dr. Rupesh M Das**
Principal Scientist, NPL Delhi, India

## Organizing Committee

**Chief Patrons**
Prof. R. Sethuraman, Chancellor, SASTRA
Dr. S. Vaidhyasubramaniam, Vice-Chancellor, SASTRA

**Patrons**
Dr. R. Chandramouli, Registrar, SASTRA
Dr. S. Swaminathan, Dean P&D, SASTRA

**General Chairs**
Dr. R. John Bosco Balaguru, Dean SR, SASTRA
Dr. K. Thenmozhi, Dean SEEE, SASTRA
Dr. K. Sridhar, Dean Research, SASTRA
Dr. K. Porkumaran, Chairman, IEEE Madras Section, India
Dr. T. Shanmuganantham, Chairman, IEEE AP-S Madras Section, India

**Conference Chairs**
Dr. James A. Baskaradas, SEEE, SASTRA

**Organizing Chairs**
Dr. A. Rajesh, SEEE, SASTRA
Dr. Ramya Vijay, SEEE, SASTRA

**TPC Chairs**
Dr. C. Manikandan, SEEE, SASTRA
Mr. R K Prasath, SEEE, SASTRA

**Finance Chairs**
Dr. J. Avila, SEEE, SASTRA
Dr. D. Susan, SEEE, SASTRA

**Sponsorship Committee Chairs**
Dr. G. Venkat Babu, SEEE, SASTRA
Dr. G. Rajkumar, SEEE, SASTRA

**Publicity Chairs**
Dr. D. Riteshraj, SEEE, SASTRA

**Panel Chairs**
Dr. R. Jayabharathy, SEEE, SASTRA

**Website Chairs**
Dr. SBM. Priya, SEEE, SASTRA

**Local Organizing Committee Chairs**
Dr. N. Raju, SEEE, SASTRA
Dr. A. Parvathy, SEEE, SASTRA
Dr. R. Ganapathy, SEEE, SASTRA

**Steering Committee**
Dr. Subrahmanya Swamy Peruru, IIT Kanpur, India
Dr. Lakshmi Narayanan G, NIT Trichy, India
Dr. D. Sriram Kumar, NIT Trichy, India
Dr. S. S. Karthikeyan, NIT Trichy, India
Dr. S Ramprabhu, MIT, Anna University, India
Dr. S. Sakthivel Murugan, SSN College of Engineering, India
Dr. Madhur Deo Upadhayay, Shiv Nadar University Delhi, India

**International Advisory Committee**
Dr. Carlo Scotto, Istituto Nazionale di Geofisicae, Vulcanologia, Italy
Dr. Miguel Cabrera, FACET–UNT, Argentina
Dr. Lee Chu Liang, Multimedia University, Malaysia
Dr. Mariano Fagre, FACET–UNT, Argentina
Dr. Fernando Miranda Bonomi, FACET–UNT, Argentina
Dr. Zenon Saavedra, FACET–UNT, Argentina
Dr. Muhammad Firdaus Akbar, Universiti Sains Malaysia
Dr. Sarmad Dashti Latif, Komar University of Science and Technology, Iraq
Dr. C. Senthil Pari, Multimedia University, Malaysia
Dr. Hemalatha Mahalingam, King Abdulaziz University, Kingdom of Saudi Arabia

**National Advisory Committee**
Dr. R. Hariprakash, Secretary, IEEE Madras Section
Dr. S. Radha, Treasurer, IEEE Madras Section
Dr. R. Swaminathan, IIT Indore, India
Dr. R. Nakkeeran, PU, India
Dr. T. Rama Rao, SRM University, India
Dr. K Prabu, NIT Suratkal, India
Dr. M. Susila, SRM University, India
Dr. S. Ramesh, SRM Valliammai, India
Dr. Madhuri Sahal, Manipal University, India
Dr. K. Selvan, SSN College of Engineering, India
Dr. D. Venkata Ratnam, KL University, India
Dr. M. S. Sricharan, Group Head, Wipro, India
Dr. C. Ramesh, Principle Engineer, Mavenir Systems, India

## Registration

| Category | Indian Delegates | |
|---|---|---|
| | IEEE | Non-IEEE |
| Student | INR 6500 | INR 7000 |
| Faculty | INR 7500 | INR 8000 |
| Industry | INR 8500 | INR 9000 |
| Attendees | INR 3000 | INR 3000 |
| Foreign Delegates (All Category) | $250 | $300 |

**To register, visit**
https://sastra.edu/rfcon25/registration.php

## Contact

**Dr. James A Baskaradas**
+91 97899 10940
jamesbaskaradas@ece.sastra.edu

**Dr. A. Rajesh**
+91 99942 20967
rajesha@ece.sastra.edu

**Dr. Ramya Vijay**
+91 96554 22172
ramyavijay@ece.sastra.edu

**Dr. SBM Priya**
+91 94865 67713
priya@ece.sastra.edu