

FAST-2022

Call for Papers

National Conference on Frontiers of Aerospace Systems and Technologies (FAST-2022) to be held from July 7-8, 2022 at Vikram Sarabhai Space Centre, Thiruvananthapuram, is being organized by ISSE, Thiruvananthapuram chapter in association with VSSC, LPSC, IISU and IIST and aims to encourage communication among researchers, engineers and academicians working in the diverse fields of space related activities, to share their ideas, through contributed paper presentations and interactive poster sessions.

This is expected to serve as a forum for exchange of lessons learnt and best practices from experience gained by practitioners of aerospace, aeronautics and aviation sector. Keynote lectures and invited talks by eminent speakers from leading R&D institutions, academia & industry and panel discussions are planned in the conference for the benefit of the participants.

It is a great opportunity for aerospace aspirants and practitioners to enhance their knowledge-base through multi-disciplinary interactions. It will be a very unique multidisciplinary opportunity for authors to contribute original research, surveys, case studies and applications. Previously unpublished manuscripts offering novel contributions in any aspect related to the following areas are solicited from prospective authors for presentation in the conference.

Topics-

1. Advanced space missions
2. Futuristic technologies in launch vehicles and spacecraft
 - Aerodynamics ● Aerospace mechanisms ● Aerospace structures ● Avionics ● Control and Guidance ● Inertial Navigation systems ● Launch vehicle integration and checkout systems ● Manufacturing technologies ● Propulsion systems ● Quality and reliability ● Reusable launch vehicles ● Simulation of launch vehicle systems ● Space robotics ● Space debris mitigation ● Satellite data processing and applications
3. Strategies for Atma Nirbhar Bharat ● Self-reliance in electronics and strategic materials ● Production of launch vehicles and satellites through Indian industry ● Promoting Start-up ventures in space sector ● Strategies for reducing satellite launch cost
4. Technologies for Human space flight mission
5. Infrastructure requirements ● Infrastructure and ground facilities for launching satellites ● Infrastructure for testing of launch vehicle and satellite systems

Prospective authors are invited to submit an Extended Abstract as per the submission guidelines listed below to issefast2022@gmail.com on or before 20th May, 2022.

Submission Guidelines

- Original contributions that have not been submitted for publication or has been published in any other conferences/ journals are solicited.
- Authors must ensure the relevance of their submissions to the scope and theme of the conference.
- Prospective authors are requested to submit an Extended Abstract in standard format in 2-3 pages in PDF format. The authors shall thoroughly check the manuscripts for spelling, grammar, quality of images and other formatting aspects prior to submission. The manuscripts that are not up-to-the-mark in the above aspects shall be summarily rejected.
- Authors shall note that their submissions may be subject to an early rejection, if found plagiarised.
- Necessary centre level peer-reviews and department approvals (as applicable) shall be obtained prior to submission.
- The submitted manuscripts will be peer-reviewed by experts nominated by FAST organising committee and formal acceptance notification along with review comments will be intimated to authors by mail.