







4th & 5th October 2024

Jointly organized by

Symbiosis Institute of Technology Symbiosis International (Deemed University), Pune, India

and

Space Society of Mechanical Engineers (SSME)
Space Applications Centre (SAC), ISRO, Ahmedabad









About Symbiosis Institute of Technology



Symbiosis was established by Prof. (Dr.) S. B. Mujumdar in 1971 with the motto of 'Vasudhaiva Kutumbakam' - the World is one Family and has been providing quality education in different disciplines like Law, Management, Computer Studies, Media and Communication, Humanities and Social Sciences, Medical and Health Sciences, Engineering and Architecture & Design. Today, Symbiosis has over 45,000 students from all the states of India and from over 85 countries.

The University has been awarded Category-I status by UGC, and an 'A++' grade by National Assessment and Accreditation Council (NAAC). It has been ranked 31st in India by National Institutional Ranking Framework (NIRF) 2024, and 10th by Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021. Symbiosis International (Deemed University) has achieved a significant milestone by being listed in the QS World University Rankings 2025. The university is ranked globally in the 641-650 range, 31st in the world and first in India for Employer Reputation. It is also ranked as the second-best private university in India.

Symbiosis Institute of Technology, a constituent of Symbiosis International University was established in the year, 2008 and currently offers B. Tech and M.Tech programmes.

B. Tech programmes in Civil Engineering, Computer Science and Engineering, Electronics and Telecommunication Engineering, Mechanical Engineering, Artificial Intelligence and Machine Learning, Robotics and Automation.

M. Tech programmes in Artificial Intelligence and Machine Learning, Robotics and Automation, Embedded Systems, Engineering Design, Geoinformatics and Surveying Technology, Automotive Technology.

Research programmes leading to Ph. D. Degree in all disciplines were introduced in the Faculty of Engineering of Symbiosis International University in 2010.

With NBA-accredited programs to its credit, SIT emphasizes both foundational principles and cutting-edge advancements, boasting high-quality infrastructure, multimedia classrooms, state-of-the-art labs, high-end computing facilities with various latest software for simulations and other applications, well-stocked modern library with digital media and database, auditorium, seminar halls and separate hostels for boys & girls and playgrounds.

The institute's long-term connections across academic and corporate circles help the student identify and pursue a niche early on in their career, thus giving them an edge in this time of fierce competition.

About Space Society of Mechanical Engineers

The Space Society of Mechanical Engineers (SSME) came into existence on April 6, 1988 at Space Applications Centre, Indian Space Research Organisation (ISRO) Ahmedabad. It is a registered society under Govt. of Gujarat (Reg. No. GUJ-5390). The basic aim of the Society is to promote the awareness about technological advancements in the field of space mechanical & allied engineering. Space Society of Mechanical Engineering regularly organises expert lectures, seminars, workshops and conferences to fulfil its objective of knowledge sharing, boosting innovation, scientific and technological amelioration.

At present SSME is having more than 435 life members from various ISRO centres, faculty members from engineering colleges, professional working in industries and R & D institutions, 06 honorary life members and 16 corporate/institutional members.

About the Conference

The International Conference on Futuristic Advances in Mechatronics Engineering for Aerospace and Defence (ICFAMEAD 2024) will be held at Symbiosis Institute of Technology (SIT), Pune, from October 04-05, 2024. The conference will be organized jointly by the SIT, Pune and Space Society of Mechanical Engineers (SSME), SAC, ISRO, Ahmedabad. This conference will provide a splendid opportunity for academicians, researchers, R&D and industrial professionals, technologists and scientists to address new challenges and discuss the futuristic advancements in all domains of mechatronics and related engineering leading to advancements in aerospace and defence systems.

ICFAMEAD 2024 aims to be one of the world's leading international conferences. It will provide an exciting environment for researchers to present and discuss the latest engineering technologies and futuristic advancements in their applications for aerospace and defence systems. ICFAMEAD 2024 will also provide an ideal environment to develop new collaborations on the fundamentals, applications, and products of the mentioned fields. This conference includes invited keynote talks by distinguished experts from industry and academia, industry presentations, and many parallel technical sessions spread over two days. This would also serve as a platform for young researchers to interact with academics, industry experts, R&D professionals and get motivated further to produce high-quality research.

We welcome submissions of original research papers, review articles, and case studies that address the conference themes. Presenters will have the opportunity to showcase their work through oral and poster presentations, and selected papers will be published in the conference proceedings.

Awards

The best paper will be awarded in each session, trackwise.

Scope of the Conference

Conference encourages and invites the paper from following, but not limited to, broad areas. These domains contribute to transform various applications as well as basic research in Mechatronics, Defence, Mechanical, Automotive and space applications.

- Robotics and Automation
- AIML Space applications: LLMs, GPUs, NLP, and Generative AI
- Fluid and Thermal Engineering
- Smart Materials & Manufacturing Science & Technologies
- Design Engineering

Important Links

Website: https://icfamead.sitpune.edu.in/

Conference Tracks:

https://icfamead.sitpune.edu.in/tracks

Paper submission:

https://cmt3.research.microsoft.com/ICFA MEAD2024

Authors are requested to register using the Microsoft's Conference Management Toolkit (CMT3 site)

Email id: icfamead@sitpune.edu.in

Important Dates

Title	Important Dates
Submission of full paper	30 th August 2024
Author(s) notification after review	15 th July - 30 th Aug. 2024
Notification of final acceptance	9 th September 2024
Last date of registration	15 th September 2024
Conference dates	4 th - 5 th October 2024

Registration

Category	Registration Fee
Academia/Industries	(INR) 15000
Students (Ph.D/PG/M.Tech/B.Tech) (AIP proceeding and will be consider for possible Scopus Journal)	g (INR) 10000
Students (Ph.D/PG/M.Tech/B.Tech) (SSME Journal https://ssmeindia.org/publications/journal-of-mechanical-engineering-jme/)	- (INR) 5000
SSME Members	(INR) 5000
Foreign Delegates (Academia/Industries)	(USD) 300
Foreign Students (Ph.D/PG/M.Tech/B.Tech)	(USD) 100
Accompanying Person/Participation (Indian)	(INR) 2500
Accompanying Person/Participation (Abroad)	(USD) 50

Registration including GST: Registration includes access to all the conference sessions, a conference kit, snacks, conference lunches, a conference certificate and a banquet dinner.

PATRON

- Prof. Dr. S. B. Mujumdar, Founder & Chancellor, Symbiosis International (Deemed University), Pune, India
- Dr. Vidya Yeravdekar, Pro Chancellor, Symbiosis International (Deemed University) Principal Director, Symbiosis, Pune, India
- Shri Nilesh M. Desai, Director, SAC, ISRO, India
- Dr. Ramakrishnan Raman, Vice Chancellor, Symbiosis International (Deemed University), Pune, India

SPEAKERS

- Dr. Mohan Lal Kolhe, Professor, Department of Engineering Sciences University of Agdar, Norway
- Dr. I Srikanth, Scientist F and Technology Director, Advanced Systems Laboratory, DRDO, Hyderabad, India
- Dr. Deepak Kumar Agarwal, Group Head LPSC/ISRO, Trivandrum, Kerala, India
- Dr. Maulesh Gadani, SAC, ISRO, Ahmedabad, India
- Dr. Debanik Roy, Scientist, BARC, Mumbai, India
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- Dr. Mukesh Kumar, Associate Professor in Operations Management, University of Cambridge, UK
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