



ISSE announces SACAD-2025: International Conference on Systems Approach in Control Architecture and Design to be held at IIT Hyderabad

Key Highlights:

- *ISSE's First International Conference (SACAD-2025) will be held at IIT Hyderabad (IITH) during 21st–23rd December 2025, in association with DRDO, ISRO, DAE, and IITH.*
- *Conference brochure released at IITH on 4th April 2025, chaired by Mr. U. Raja Babu, DG (MSS), DRDO and attended by key leaders from ISSE, DIAT, and IITH in hybrid mode*
- **Focus Areas:** *Latest developments in control architecture and systems design through papers, keynotes, posters, panel discussions, and exhibitions.*
- **Key Messages:** *Emphasis on System Engineering in Defence, Space, and Civilian technologies under "Make in India" initiatives.*
- **Participation expected:** *Industry professionals, Startups, Students, Researchers, Service officers, and Government officials.*

Hyderabad 05th May, 2025: Indian Society of Systems for Science and Engineering (ISSE) - Hyderabad & Pune Chapters in association with **DRDO, ISRO, DAE and IIT Hyderabad (IITH)** are organising an **International Conference on Systems Approach on Control Architecture and Design (SACAD -2025)** at IITH during **21st to 23rd December 2025**.

Towards this, a Conference brochure release ceremony was held at IITH on 04-04-2025. The function was chaired by Mr. U. Raja Babu, Director General (MSS), DRDO, Hyderabad, in the presence of Dr. B.H.V.S. Narayana Murthy, Vice Chancellor, DIAT, Pune & and National Vice President ISSE, Prof. B.S. Murty, Director, IITH and Dr. M. Manickavasagam, President, ISSE Hyderabad Chapter and along with the Governing Council members of the ISSE and senior faculty of IITH in hybrid mode

This is the 1st International Conference of ISSE and it aims at encouraging communication among the participants working in the areas of control through

- Contributed paper presentations,
- Interactive poster sessions,
- Keynotes/invited talks, panel discussions and
- Exhibitions of components, hardware and systems.

This conference will bring together experts from R&D organizations, Academia and Industry to share their knowledge and experiences on adopting a systems approach and explore the latest developments, methodologies and applications to control architecture and design.

Elaborating the significance of the conference, Mr. U Raja Babu, Director General (MSS), DRDO, Hyderabad conveyed *“the importance of System Engineering concepts in Defence and Space technology, specifically in the changing geo-political scenario and Make in India initiatives of the government”*



Highlighting the importance of the Control Engineering, Dr. B.H.V.S. Narayana Murthy, Vice Chancellor, DIAT, Pune & National Vice President, ISSE, in his address, said *“the Control Engineering is expected to have a tremendous growth in expanding its horizon in various fields, both Defence and Civilian technologies. This conference is expected to provide an opportunity for Academia and Industry to come together and share their ideas”*

Emphasizing the relevance of the conference, Prof. B S Murty, Director IITH, said *“The SACAD-2025 conference provides a vital platform for researchers, technologists, and industry leaders to converge and exchange ideas on Control systems and architectures from a holistic systems perspective. As IITH continues to foster cutting-edge research in collaboration with institutions like DRDO, ISRO, and DAE, this initiative underscores our collective commitment to national progress through innovation, integration, and interdisciplinary collaboration as the confluence of most reputed organizations will yield the best output.”*

Dr. V. Narayanan, Chairman, ISRO & National President, ISSE, also conveyed his best wishes message to the organizing committee for the successful conduct of the Conference.

The conference is expected to have active participation from professionals from Industry, SME/ Start-up Industries, Students and budding researchers, Service officers and also Government

Officials, who are interested in understanding the role of these advanced technologies can help in National Skill Development and Make in India initiatives by the Government.

For more details about the conference, please visit: www.issehyd.com

About DRDO, ISRO & DAE:

Defence Research & Development Organization (DRDO)

DRDO is the R&D wing of Ministry of Defence, Govt. of India, with a vision to empower India with cutting-edge Defence technologies and a mission to achieve self-reliance in critical Defence technologies and systems, while equipping our armed forces with state-of-the-art weapon systems and equipment in accordance with requirements laid down by the three Services.

Indian Space Research Organization (ISRO):

Indian Space Research Organisation (ISRO) is the space agency of India. The Organisation is involved in Science, Engineering & Technology to harvest the benefits of outer space for India & mankind. ISRO is a major constituent of the Department of Space (DOS), Govt. of India. The department executes the Indian Space Programme primarily through various Centres within ISRO.

Department of Atomic Energy (DAE):

DAE is an organization, which is focusing on R&D for the peaceful uses of atomic energy. DAE encompasses all the areas related to power and non-power applications of Atomic energy. DAE is at the forefront of research and development, leveraged by a strong synergy between R&D and technology development in various core disciplines. DAE also continues to develop and deploy spin-off technologies for societal applications.



About IIT Hyderabad:

IITH, established in 2008, has reached a respectable position in Academics, Research, Technology development and Startups in a short span of 16 years. In the National Institutional Ranking Framework (NIRF), IITH has bagged at 3rd in Innovation and 8th among Engineering institutes in the last two consecutive years, while it has maintained its rank within top 10 Engineering Institutes ever since NIRF was launched. IITH has been striving for excellence with a motto of "Inventing & Innovating in Technology for Humanity (IITH)".

With 325+ full-time Faculty and 5,300+ Students (PG+PhD students accounting for about 60%), IITH has a strong research focus with ~ 4600 Projects worth of Rs. 1500+ Cr of R&D funding (Rs. 330+ Cr funding in 2024-25), 11,600+ Publications, 2,15,000+ Citations, 500+ Patents (210 Patents in 2024 and a commitment to "Patent a Day: Mission 365" for 2025 to earn 365 Patents by the end of 2025), and about 260+ Startups (that have generated 1100+ jobs with a revenue of Rs. 1500+ Cr).

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