

NCCS-30

National Conference on Cryogenics and Superconductivity

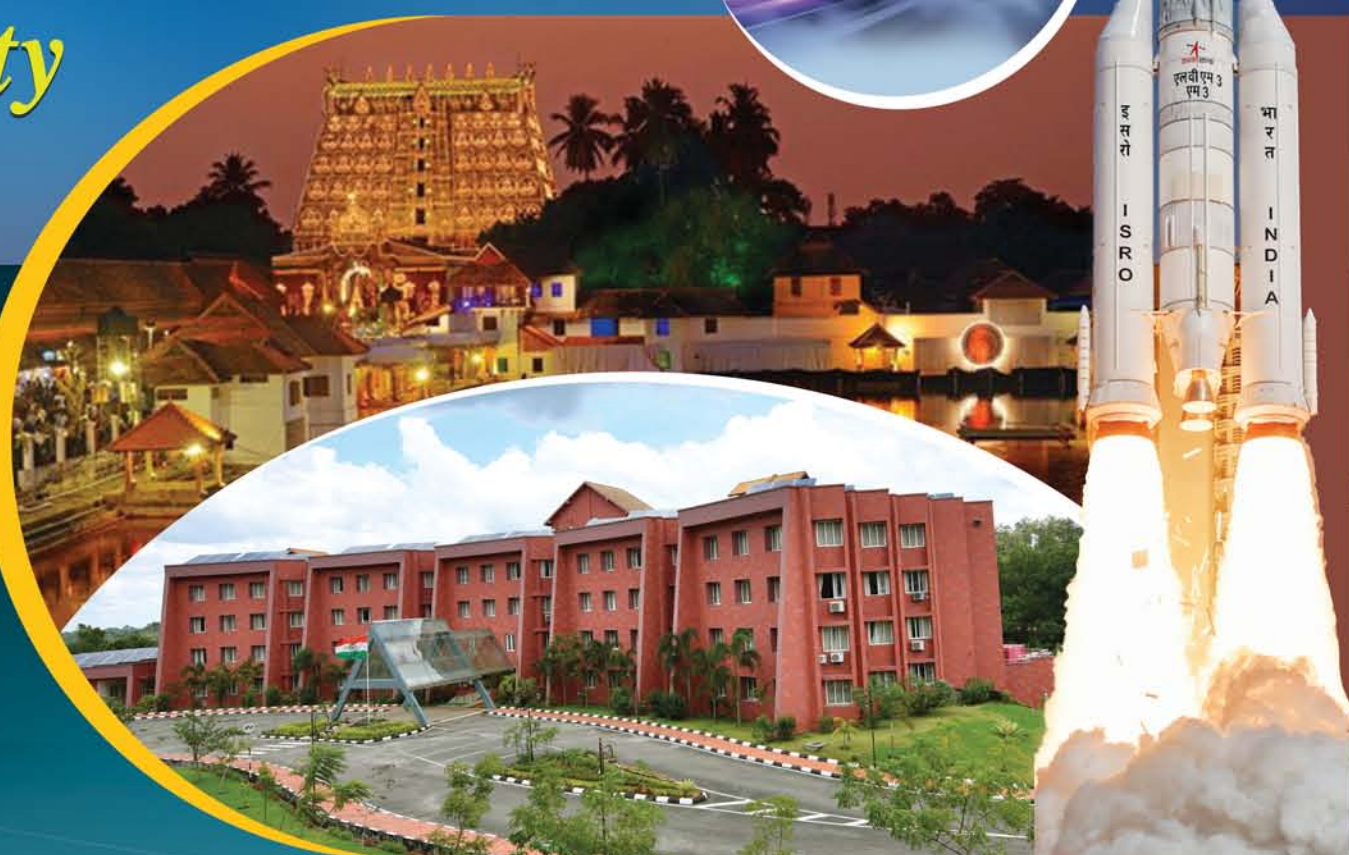
7-9 December, 2026

LPSC-ISRO, Thiruvananthapuram

THE CONFERENCE

The Liquid Propulsion Systems Centre (LPSC-ISRO) in association with the Indian Cryogenics Council (ICC) is organizing the 30th edition of National Conference on Cryogenics and Superconductivity (NCCS-30) during 7-9 December, 2026, with the aim of knowledge dissemination and professional interaction across the entire cryogenics fraternity in the country.

The three-day national conference will be conducted at the Valiamala campus of LPSC-ISRO, situated near the capital city of Kerala, Thiruvananthapuram. It will include keynote talks, invited lectures, contributed papers, poster presentations, exhibitions, pre-conference workshop etc. The event also includes visit to various facilities at LPSC-ISRO, rocket engine assembly and test facilities at ISRO Propulsion Complex at Mahendragiri and space museum at Vikram Sarabhai Space Centre-ISRO.



Visit to ISRO facilities

Workshop

Conference



Technical exhibition



Visit to Space Museum

How to reach LPSC, Valiamala?

Thiruvananthapuram International Airport (33 km) and Central Railway Station (26 km) are approximately 1 hour travel by road.



Publication

Among the presented papers, the selected ones stand a chance for publication in the *Indian Journal of Cryogenics*.

Timeline of Events

Submission of extended abstracts	: 31 Aug., 2026
Opening of registration	: 7 Sep., 2026
Acceptance of extended abstracts	: 21 Sep., 2026
Close of early bird registration	: 23 Oct., 2026
Close of online registration	: 23 Nov., 2026
Pre-conference workshop	: 6 Dec., 2026
Submission of full papers	: 7 Dec., 2026
NCCS-30	: 7-9 Dec., 2026

Registration Fees *

Category	Indian	Foreign
General	₹ 7000/-	\$200
Members of ICC	₹ 5000/-	
Students	₹ 2000/-	\$70
Pre-conference workshop	₹ 500/-	\$20

(Early bird discount at 10% on registrations till 23rd Oct., 2026).

* Applicable GST will be charged extra on the above rates.

Topics

- ❖ Cryogenics for space propulsion & combustion
- ❖ In-space cryogenic fluid management & storage
- ❖ Space thermal control & cryogenic cooling systems
- ❖ Ground facilities, testing & safety for cryogenic applications
- ❖ Cryogenic propellants, insulation & advanced cryogenic materials
- ❖ Thermodynamics, heat transfer & fluid flow in cryogenics
- ❖ Cryogenic materials, structures & manufacturing
- ❖ Instrumentation, process control, and metrology for cryogenic systems
- ❖ Large scale cryogenics and superconductivity for particle accelerator and fusion programme
- ❖ Cryogenic systems, cryocoolers, refrigeration & liquefaction technologies, air and industrial gas separation and purification.
- ❖ Cryogenics in quantum technologies & AI/ML computing for cryogenics
- ❖ Cryobiology, cryogenics for medical and food applications
- ❖ Emerging applications of cryogenics: Hydrogen, LNG, energy storage, sustainability etc.
- ❖ Superconducting materials, magnets & RF systems
- ❖ Superconductivity in power, energy, industry and other novel applications

Patrons

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Dr. RG Sharma, President, Indian Cryogenics Council

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Organised by
Liquid Propulsion Systems Centre-ISRO
in association with
Indian Cryogenics Council

