28th NATIONAL SYMPOSIUM ON CRYOGENICS AND SUPERCONDUCTIVITY (NSCS28)

IIT Kharagpur, February 01-04, 2022

NSCS28

NSCS is a biennial event organised by the Indian Cryogenic Council (ICC). It facilitates interactions among the students, academicians, researchers, scientists, technologists and industrial professionals in the field of cryogenics and superconductivity from national and international fora. The last symposium (NSCS27) was held at IIT Bombay in 2019.

28th National Symposium on Cryogenics and Superconductivity (NSCS28) will be hosted by Cryogenic Engineering Centre, Indian Institute of Technology (IIT) Kharagpur under the aegis of the Indian Cryogenics Council (ICC), at the IIT Kharagpur campus during February 01 – 04 2022.

About IIT Kharagpur

- First in the chain of IITs, established in 1951.
- Awarded the "Institute of Eminence (IoE)" status by the Ministry of Education (Government of India) in 2019.
- Campus spread of 2100 acres with over 22,000 inhabitants.

About Cryogenic Engineering Centre

- Established in 1976 for the advancement of cryogenics and cryogenic engineering on the recommendation of Nayudamma Committee.
- Multi disciplinary unit comprising Physics, Mechanical Engineering, Chemical Engineering and Electrical & Instrumentation Engineering.
- Major research areas: Refrigeration and Liquefaction of Gases, Superconductivity and Superconducting Devices, Vacuum Technology, Gas Separation and Purification, Natural Gas and Hydrogen Energy, Air Separation, Cryogenic Process Engineering, Cryogenic Instrumentation, Energy Storage, Carbon Capture.

Registration Fees

Category	Before 31/12/2021	Before 27/01/2022	Spot Registration
General	₹ 6000	₹ 7000	₹ 8000
ICC Members	₹ 5000	₹ 6000	₹ 7000
Students	₹ 3000	₹ 3500	₹ 3500
Course Fee	₹ 1000	₹ 1000	₹ 1000

Abstract submission opens
June 15, 2021

Abstract submission ends
October 15, 2021

Registration opens
September 15, 2021

Broad Topics

- Liquefier and Refrigerator
- LNG and Liquid Hydrogen as Fuel
- Cryogenics for Space
- Superconductivity for Accelerator, Fusion, Power, Medical
- Air and industrial Gas Separation and purification
- Transfer & Storage of Cryogen
- Cryocooler
- Superconducting Material and Cryogenic Instrumentation
- Heat and Mass transfer at low temperature
- Cryocomponents
- Materials at Low Temperature
- Cryobiology
- Cryogenic machinery
- Novel/Futuristic applications of cryogenics

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