Keynote Speaker

Dr. V. NARAYANAN

https://www.isro.gov.in/leadership.html

Chairman ISRO, Secretary, Department of Space, Government of India

Dr. V. Narayanan, Chairman of the Indian Space Research Organisation (ISRO) and Secretary of the Department of Space Government of India, is a distinguished Indian rocket and spacecraft propulsion expert and widely recognized for his expertise in cryogenic propulsion technology. He has played a crucial role in the indigenous development of India's cryogenic Propulsion technology.

His leadership at Liquid Propulsion Systems Centre (LPSC), ISRO, ensured the development and delivery of propulsion systems for the LVM3 launch vehicle, including the L110 liquid stage and the C25 cryogenic stage, which were instrumental in the success of the Chandrayaan-2 and Chandrayaan-3 missions.

As ISRO Chairman, Dr. Narayanan is poised to lead the organization on ambitious projects, including the Gaganyaan human spaceflight program, the Chandrayaan-4 mission, and the development of India's first space station.

Dr. R.G. SHARMA

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President, Indian Cryogenic Council

Dr. R.G. Sharma is a distinguished figure in the field of cryogenics and superconductivity in India. He has served as the President and Vice President of the ICC and has been a key figure in its leadership for many years. He has been actively involved with the Indian Journal of Cryogenics, serving on its editorial board and as an editor.

He was a Deputy Director at the National Physical Laboratory (NPL) in New Delhi and has worked as a consultant and visiting professor at institutions like the Inter-University Accelerator Centre (IUAC), New Delhi.

He has made significant contribution in the development of Superconducting Magnets in India since 1974. Presently he is working towards development of a 1.5 T whole body MRI scanner magnet system at IUAC, New Delhi

PROF. SUNIL SARANGI

Advisor CV Raman Global University, Bhubaneshwar

Professor (Retired) IIT-KGP, Ex-Director, NIT Rourkela

Professor Sunil Kumar Sarangi is a renowned academic and expert in the field of cryogenics. He has a long and distinguished career associated with IIT Kharagpur and NIT Rourkela.

Professor sarangi has Expertise in Thermal Engineering, Liquefier, Engineering Thermodynamics, Fluid Mechanics, CFD, Numerical simulation, Computational fluid mechanics and cryogenic turbo expander. He is one of the founding member of Indian cryogenics council. He has been a principal investigator on projects related to the indigenous development of turboexpander-based cryogenic refrigerators and liquefiers.

PROF. Y. C. SAXENA

Institute for Plasma Research
India

Professor (Retired) IPR Ahmedabad

Professor Y. C. Saxena is a distinguished Indian scientist known for his significant contributions to cryogenics, plasma physics, and magnetic confinement fusion research

Prof Saxena is one of the founding member of Indian cryogenics council, he has vast Skills and Expertise in Large scale cryogenic system, Superconducting magnets, Plasma Diagnostics, Superconductivity, Turbulence Plasma, Plasma Physics, Nuclear Physics, Magnetic Energy systems

Dr. T.S. DATTA

IUAC, New Delhi
IIT Kharagpur

Ex-Visiting Professor, IIT Kharagpur, Professor (Retired), IUAC New Delhi

Dr. Tripti Shekhar Datta was the Head of the Cryogenics and Applied Superconductivity Group at the IUAC New Delhi, and Visiting professor in IIT Kharagpur. Dr. Datta's work focuses on the intersection of cryogenics and applied superconductivity, particularly for accelerator technology and has Expertise in LN2 and LHe Refrigeration, Superconducting LINAC, Rebuncher Cryostat, Cryogenic Delivery, and Cryogenic Data Acquisition and Control System (CRYODACS)

Dr. PRASHANT KHARE

Head, Cryomodule Development & Cryoengineering Application Section RRCAT Indore
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Head, Cryomodule Development & Cryo-engineering Application RRCAT Indore,

Dr. Khare is Head of CDCA Division, RRCAT (Deptt. of Atomic Energy). He is the Inventor of SHIVAY (India's first) Liquid N2 based refrigeration system

PROF. MILIND ATREY

https://www.me.iitb.ac.in/faculty/prof-milind-atrey

Professor and Dean (R&D), IIT Bombay

Professor Milind Atrey is an Institute Chair Professor in the Department of Mechanical Engineering at IIT Bombay,
His research focuses on various aspects of cryogenic engineering, Refrigeration, Cryogenic Engineering, Cryocoolers, Cryogenic Heat Exchangers, Two phase flow heat transfer, Cooling of superconducting magnets, MRI Cryogenics

Dr. RANJANA GANGRADEY

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Head – CPIS INSTITUTE FOR PLASMA RESEARCH, BHAT, GANDHINAGAR

Dr. Ranjana Gangradey is a senior researcher specializing in the field of cryogenics, with a focus on its applications in fusion technology at IPR Gujrat India. Dr. Gangradey has vast experience in AGASTYA Cryopump technology, pellet injection, cryogenic systems, Plasma fueling and disruption mitigation studies of Fusion future reactors.

MR. PARAG KULKARNI

INOXCVA India,
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CEO, INOXCVA

Mr. Kulkarni has joined INOX group and established INOXCVA an Indian multinational company specialised in Cryogenic Engineering.

Dr. SOUMEN KAR

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IUAC New Delhi

Dr. Kar is Senior Scientist at IUAC New Delhi and has vast expertise in Cryogenics and Applied Superconductivity, Superconducting LINAC, Rebuncher Cryostat and Cryogenic Delivery System

Dr. MUKESH GOYAL

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BARC Mumbai

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Dr. Goyal Senior scientist at BARC Mumbai has expertise in development of cryogenic technology design, development, fabrication and testing of critical components for 20K helium refrigerators and helium liquefiers.

Dr. JEDIDIAH PRADHAN

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VECC Kolkata

Dr. Pradhan a senior scientist at VECC Kolkata has Expertise in Dilution refrigerator, Refrigeration and Cryogenic Engineering,

Dr. K. V. SRINIVASAN

Low Temperature Physics
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TIFR Mumbai,

Prof. Srinivasan is one of the well-known low temperature physicists in India and his laboratory is the only place in the country where one can do in temperature from 400 K to 40 µK.

PROF. ABHAY SINGH GOUR

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Assistant Professor, Cryogenic Engineering IIT-Kgp

Professor Gour's main areas of research are Cold Electronics, cryo-instrumentation, cryogenic process control, superconductor cables, Superconducting Magnet Energy Storage (SMES) system, High Temperature Superconductor based extremity – MRI, superconducting motors and Superconducting Fault Current Limiters (SFCL).