# 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

Scientific Advisor
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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)

# PROF. MILIND ATREY

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

## Professor and Deputy Director (ART), IIT Bombay

Prof. Milind Atrey is currently the Deputy Director – ART (Academics, Research and Translation) of IIT Bombay, and INOX chair Professor of Cryogenics in the Department of Mechanical Engineering. He served as the Dean (R&D) of IIT Bombay for over 4 years and as Professor-in-Charge of SINE (Society for Innovation & Entrepreneurship), a business incubator at IIT Bombay for over 6 years.

His current area of research is Heat Exchangers, Cryocoolers, Cryosurgery, Heat Pipe, and Superconducting Devices.

# 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.

# PROF. ABHAY SINGH GOUR

Cryogenic Engineering

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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).

# Dr. SANDIP PAL

Variable Energy Cyclotron
Centre 1/AF Bidhannagar
Kolkata

## VECC Kolkata

Dr. Sandip Pal is a senior scientific officer of VECC Kolkata has done Doctor of Philosophy (PhD) in Chemical Process Tomography (Electrical and Electronics Engineering) from University of Manchester U.K.

He is responsible for cryogenic process instrumentation and control, superconducting magnet safety system, smart transducer, chemical species tomography and overall operation and maintenance of the cryogenic system of VECC.

He was involved in implementation of the entire cryogenic system of Superconducting Cyclotron and performed a crucial role in integrating liquefier with the cryostat. He was also involved in planning, installation and commissioning of a new higher capacity liquefier which can run in parallel with the old liquefier.

# Dr. MUKESH GOYAL

www.barc.gov.in

## 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. K. V. SRINIVASAN

Low Temperature Physics
Tata Institute of
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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.

# 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. 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