

Program Schedule

INDIAN CRYOGENICS COUNCIL (1975-2025)

GOLDEN JUBILEE YEAR CONFERENCE

13th-14th November 2025,
Variable Energy Cyclotron Centre, Kolkata

PROGRAMME

DAY-1 (13-11-2025) [Thursday]

08:45 -9:45 Registration at the venue

INAUGURAL SESSION: At Meghnad Saha Auditorium, SINP

09:45– 11:10 Inaugural Session

High TEA BREAK (Tea will be served Outside of Meghnad Saha Auditorium)

TECHNICAL SESSION-1: At Meghnad Saha Auditorium, SINP

Session Chair:

11:50 – 12:15 Cryogenic Education & Research Perspective in India (**Prof. Sunil Sarangi**)

12:15 – 12:40 Fascination for Superconductivity Never Diminished (**Dr. R G Sharma**)

12:40– 13:05 Development of Cryocoolers at IIT Bombay (**Prof. M D Atrey**)

LUNCH BREAK (VECC Lounge)

TECHNICAL SESSION-2: At Meghnad Saha Auditorium, SINP

Session Chair:

14:30 – 14:55 Cryogenics and Superconductivity in Fusion Program (**Prof. Y C Saxena**)

14:55 – 15:20 Cryogenics and Superconductivity for the Particle Accelerator Program in India : Past, Present and Future Trend (**Dr. T S Datta**)

15:20– 15:45 Industry efforts towards growth of Cryogenics in India (**Mr. P Kulkarni**)

TEA BREAK

SPECIAL SESSION ON PROF. BOSE AND ICC (1975- 2000): (16:15- 17:30)

Session Chair:

Welcome to Daughters of Prof. Bose

Fifty Years of Indian Cryogenic Council (ICC) (**Dr. R G Sharma**)

Prof. Malini Bhattacharya

Prof. Ketaki Bhattacharya

Dr. Amit Roy (Ex. President)

Dr. R K Bhandari (Ex. President)

Dr. T S Datta (Ex. President)

Prof. M D Atrey (Ex. President)

Students of Prof. A Bose

Dr. S C Sarkar, JU

17:30 – 18:30 **TOUR OF SCC**

Banquet Dinner at : 19:00 onwards

DAY-2 (14-11-2025) [Friday]

TECHNICAL SESSION-3: At Meghnad Saha Auditorium, SINP

Session Chair:

09:30 – 9:55 Cryogenics Developments for Accelerator Facilities: Superconducting Cyclotron and RIB at VECC (**Dr. Sandip Pal**)

09:55 – 10:20 ITER program and Indian Contribution (**Dr. Nitin Shah**)

10:20 – 10:45 Helium Liquefaction/Refrigeration Technology Development at BARC: Current Status and Future Directions (**Dr. Mukesh Goyal**)

10:45 – 11:10 HTS Technologies: Progress, Applications, and Future Directions (**Prof. Abhay Singh Gour**)

TEA BREAK

TECHNICAL SESSION-4: INDUSTRY At Meghnad Saha Auditorium

Session Chair:

11:30 – 11:50 Gold Sponsor 1

11:50 – 12:10 Gold Sponsor 2

12:10 – 12:20 Silver Sponsor 1

12:20 – 12:30 Silver Sponsor 2

12:30 – 12:40 Silver Sponsor 3

12:40 – 13:05 Emerging LNG Technologies in the Indian Context (**Mr. Saurin Patel**)

LUNCH BREAK (VECC Lounge)

TECHNICAL SESSION- 5:

Session Chair:

14:30 – 14:55 Extraction of medical grade oxygen from Stirling PSA based liquid nitrogen plant (**Dr K V Srinivasan**)

14:55 – 15:20 SRF Cryomodule Development in India (**Dr. Prashant Khare**)

15:20 – 15:45 Development of 1.5T Whole-Body Indian MRI Magnet System (**Dr. Soumen Kar**)

15:45 – 16:10 Indigenous Development of Large scale Cryopump (**Dr Ranjana Gangradey**)

16:10– 16: 35 Indigenous Development of Dilution Refrigerators in India (**Dr. J Pradhan**)

TEA BREAK

CONCLUDING SESSION: Session Chair:

16:50-17:30 Concluding Remarks and Discussion