



INDIAN CRYOGENICS COUNCIL

(Registration No: S 16588 of 1975-1976 dt. 04. 09. 1975)

(Regd. Office: Jadavpur University, Calcutta- 32)

Minutes of the Meeting of the Executive Committee of the Indian Cryogenics Council (ICC)

Date: February 7, 2025 Time: 4:00 PM – 6:30 PM, Venue: Google meet (Online)

List of attendees is below:

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|---------------------------|------------------------------------|
| • Dr. R.G. Sharma (Chair) | President |
| • Prof. M.D. Atrey | Ex-President & ICEC Representative |
| • Prof . Sunil Sarangi | Vice -President, EZ |
| • Prof. T.S. Datta | Ex President, Chief-Editor, IJC |
| • Dr. Soumen Kar | Treasurer |
| • Dr. Umashankar Panda | Joint Treasurer |
| • Dr.Mukesh Goyal | Secretary, (Technical) |
| • Dr. Uttam Bhunia | Secretary (Administration) |
| • Mr.Parag Kulkarni | Member, WZ |
| • Prof. Himanshu Bahirat | Member, WZ |
| • Dr. B Sarkar | Member, WZ |
| • Prof, S.C.Sarkar | Member , EZ |
| • Dr.Abhay Singh Gour | Member EZ |
| • Prof. P.S.Ghosh | Member , EZ |
| • Dr. Tamal Bhattacharyya | Member, EZ |
| • Dr. Subimal Saha | Invitee, EZ |
| • Prof. R. Singh | Member, SZ |
| • Dr.Abhilash Narayan | Member, SZ |
| • Dr. Tushar Bhowmick | Member,NZ |
| • Dr.Hari Kishan | Member, NZ |
| • Dr.Anuj Kumar | Invitee, NZ |
| • Tania Gupta | Secretarial Assistant |



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Agenda Items Discussed

1. Welcome Address

- Dr. R G Sharma, President, ICC, welcomed all the members of the new EC.
- He expressed his happiness that the first EC meeting was being held when one of ICC's distinguished Fellows, Dr. V. Narayanan, Head LPSC has risen to the position of the ISRO Chief and the Secretary Deptt. Of Space, GOI.
- He also expressed gratitude to all the past Presidents of ICC for their exemplary contributions to the organization's growth.

2. ICC Website Updates

- It was observed that the ICC website has not been updated for a long time It should therefore be updated on a priority basis. Henceforth, the website should be updated periodically say once a month.
- **Implementation & Coordination:**
 - Dr. Soumen Kar and Dr. Anuj Kumar will coordinate with the person responsible for the maintenance of the website. The inputs to website may be routed through the secretary ICC.
- **Website Overhaul:**
 - The president will form a team of 2-3 persons who will work together on a comprehensive overhaul of the website to make it more effective.

3. New Memberships

- Efforts by Dr. Abhilash Narayan (LPSC, ISRO), and Dr. Hari Kishan (Ex NPL) & Dr. Anuj Kumar (JIIT) have led to a significant increase in the new memberships. ICC welcomes the new member to its fold.
- Membership certificates will be issued soon.
- It was also emphasized by the members that while admitting new members we must follow the eligibility criterion set by the ICC.

4. Consolidated List of ICC Members

- The EC appreciated Dr. Anuj Kumar's efforts in preparing a consolidated list of ICC members in alphabetic order. More refinement will be done in due course.

5. ICC Golden Jubilee Celebrations (2025)

- The year 2025 marks the Golden Jubilee of the ICC.
- The EC has decided to organize a two-day conference preferably at Kolkata, the birth place of the ICC. VECC was considered the obvious choice. The other alternative discussed was the CSIR-NPL New Delhi. Dr. R G Sharma indicated that
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he once apprised the present NPL director about the history of ICC vis-à-vis NPL's contribution to its growth and the distinction of holding quite a number of ICC Symposia at NPL. Dr. Sharma was requested to explore the possibility of holding the conference at NPL.

- Prof. Datta clarified that the conference will be an ICC affair and would be organized in collaboration with the hosting institute as per the ICC norms.
- **Next Steps:**
- It was decided to form an Advisory Committee to work out all the details like the venue, time duration, financial requirements, and other modalities of the conference. The committee members will be: Dr. R G Sharma (Chair), Prof. MD Atrey, Prof. TS Datta, Prof. SC Sarkar, Dr. Uttam Bhunia and Dr. Soumen Kar. Before fixing the dates, the committee would coordinate with the host institute about the availability of the infrastructural and related facilities such that our conference does not clash with their calendar.
- The president will then send a formal request letter to the head of the institution selected as the venue.

6. NCCS-30 Venue

- A formal letter will also be sent by the president ICC to the Director, LPSC, requesting him to host NCCS 30.

7. Reconstitution of Zonal Committees

- The EC also decided to form adhoc Zonal committees in respect of North, South and East where periodic regular elections have not been held for quite some time. The EC authorized the president to form adhoc zonal committees for the north, East and south zones where regular elections have not been held for some years. The adhoc committees will conduct regular elections as per the well laid ICC procedure within 10 months.
- The committees are as follows:
 - **Norh Zone:** Dr. Tushar Bhoumick (Tudinous Kryos), Dr. Hari Kishan (Ex NPL), Dr. Anuj Kumar (JIIT) and Dr. R S Meena (NPL)
 - **South zone:** Dr. R Singh (Ex UOH), Dr. Jayan, N. (LPSC), M., Dr. Abhilash Narayan (LPSC), Dr. Upendra Bahera (IISc.)
 - **East Zone:** Prof. Sunil Sarangi (EX NIT Rourkela), Prof. TS Datta (Ex IUAC), Dr. Uttam Bhunia (VECC), Dr. Abhay Singh Gour (IIT Kgrpr)



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8. Periodic Newsletter

- Members emphasized the need for a periodic newsletter/annual book which would highlight:
 - ICC activities
 - Zonal committees' activities
 - Updates on the major cryogenic projects
 - Any breakthrough in R & D or Cryogenic Technologies
 - Status of large Indian Cryogenics / Superconducting Magnet Application Projects or the development of an important cryogenic Systems
- **Action Plan:**
 - Dr. Tushar Bhowmick will prepare a concept proposal and circulate it by 21st February 2025.
 - He will collaborate with other ICC members for inputs.
 - Dr. R G Sharma suggested the formation of a 3-member committee with Prof. R Singh, Dr. Mukesh Goel and Prof. TS Datta
- **Indian Journal of Cryogenics Update:**
 - Prof. TS Datta reported that the pending IJC Volume 48 will be published soon.

9. Permanent Secretariat

- **Proposal for Location:**
 - The need for a permanent secretariat of ICC have been felt by the members for many years. Prof. S. C. Sarkar was requested to provide a room for the ICC office at Salt Lake City Campus.
 - After enough discussion, Prof. Sarangi suggested that Cryogenic Engineering Centre at IIT Kharagpur would be a more suitable location due to:
 - Presence of the permanent faculty members at the Cryogenic Engineering Centre and good number of ICC & EC members.
 - Students' involvement.
 - Established infrastructure.
 - Decision to form ICC was taken at this place in 1975
- **Next Steps:**
 - Prof. Sunil Sarangi will draft a formal letter for the president ICC addressed to the Director, IIT Kharagpur, with a copy to the Head of the Cryogenic Engineering Centre. The president will then write a formal letter to the Director IIT Kharagpur.



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10. Financial Support for Retired EC Members

- The committee discussed ways to provide financial support to retired EC members for attending ICC conferences and meetings.
- **Subcommittee Formation:**
 - A subcommittee was formed to frame guidelines, support limits etc. after carrying out a budget exercise, The subcommittee Members are:
 - Mr. Parag Kulkarni Dr. Soumen Kar, Dr. Mukesh Goyal and Dr. Uttam Bhunia
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- **Next Steps:**
 - The subcommittee will submit its report to the President, ICC, within two months.

11. Project Proposal from USA-Based Scientist

- Prof. T. S. Datta reported that a project proposal had been received from a USA-based scientist Prof. Dillip Kumar Dey (an old student of Prof. A Bose) for submission to the Government of India with a recommendation letter of the ICC.
- **Decision:**
 - After discussion, the EC decided that ICC would not be involved in this matter. without knowing the details of the project and the role of the ICC.

The meeting concluded with a vote of thanks to the Chair.