



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 (ICC)

Held online on google meet

(August 1, 2020, Time: 11.00 am to 1.00 pm)

Due to the present unprecedented Covid 19 conditions the meeting of the Executive Council of the ICC took place on a virtual video conference platform on August 1, 2020.

List of attendees is below:

- Professor M.D. Atrey (Chair) President (Professor and Dean(R&D), IIT Bombay)
- Dr. T.S. Datta Ex-President (Visiting Professor, IIT Kharagpur)
- Dr. Rakesh Bhandari Past President (Ex-Director, VECC Kolkata)
- Dr. R.G. Sharma Vice President (Ex-Scientist, NPL, IUAC New Delhi)
- Professor. M.D.Atrey Vice President (Professor and Dean(R&D), IIT Bombay)
- Professor. Sunil Sarangi Vice President (Ex- Director, NIT Rourkela)
- Professor. R. Karunanithi Vice President (Professor, IISc Bengaluru)
- Dr. Soumen Kar Secretary (Technical) (Scientist, IUAC Delhi)
- Dr. Tamal Bhattacharyya Secretary (Administration) (Scientific Officer, VECC Kolkata)
- Dr. Uttam Bhunia Treasurer, (Scientific Officer, VECC, Kolkata)
- Professor. Y. C. Saxena Member of EC 2018-2020 (Ex-Senior Professor, IPR Gandhinagar)
- Professor. Subhash Jacob ICEC Representative (Ex-Professor, IISc Bengaluru)
- Professor. H. B. Naik Member (Professor, SVNIT Surat)
- Dr. V.L.Tanna Member (Scientific Officer, IPR Gandhinagar)
- Mr. Parag Kulkarni Member (Director, INOX India Pvt.Ltd Vadodara)
- Dr. V. Narayanan Member (Director, LPSC/ISRO Trivandrum)
- Professor. R. Singh Member (Hon.Professor, University of Hyderabad Hyderabad)
- Dr. Tushar Bhowmick Member (Director, Tudinous Kryos Pvt.Ltd Delhi)
- Professor. V. V. Rao Member 2018-2020 (Visiting Professor, IIT Kharagpur)
- Professor. S.C.Sarkar Member (Professor, Jadavpur University)
- Professor. P.S.Ghosh Member (Professor, IIT Kharagpur)
- Professor. R.K.Sahoo Member (Professor, NIT Rourkela)
- Dr. Mukesh Goyal Co-opted Member (O/G, CrTD, BARC, Mumbai)
- Dr. D.S.Nadig Co-opted Member (Principal Research Scientist, IISc Bengaluru)
- Professor Subimal Saha Co-opted Member (Ex-Project Director, VECC, Kolkata)
- Professor H.J.Bahirat Invitee (Professor, IIT Bombay)
- Ms. Tania Gupta Secretarial Assistant (ICC Delhi)



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1.1 It was a great pleasure to see such a strong participation in the virtual video conference meeting. Dr. Sarangi expressed his desire to have more frequent meetings using the VC platform. Dr. Bhandari also expressed his happiness to see the leadership of ICC in young hands and volunteered his support and good wishes to the new committee. Professor R. Singh extended his good wishes. Dr. Sarkar commented that the ICC is the best professional society on the subject of cryogenics.

1.2 Professor Atrey welcomed the new committee and confirmed the organization of the new committee along with the following two changes in the West Zone: (EC member list attached)

- a. As Professor Atrey is now the President of ICC, his post of Vice President and Chairman West Zone is now to be taken up by Professor H.B.Naik as per the elections held in September 2019.
- b. Likewise Professor H.B. Naik's vacant position from being a member from West Zone, has been taken up by Professor H.J.Bahirat, who is also the Secretary of West Zone.

2.0 Deliberations

Different items were then taken up before the committee members as per the agenda, which are summed up below:

2.1 The members unanimously confirmed the minutes of the previous EC meeting held on June 20, 2019, at IUAC, New Delhi. The new committee lauded the work done by the earlier EC, especially in the organization of ICEC and NSCS-27.

2.2 **Tax Exemption Matter:** After due diligence and discussions on the matter of the Tax exemption certificate for ICC, it was unanimously decided that the Tax for the backlog may be paid and then the application can be made for tax exemption. As the last date for filing ITR is 30th November 2020, **all zones are requested to submit their audited statements by 30th September 2020 to Dr. Uttam Bhunia without fail.**

2.3 **Status of Vol.45 of IJC:** Dr.T.S.Datta, Dr.R.G.Sharma & Dr. Soumen Kar updated the status of IJC Vol.45. It was informed that the said volume will be published by October 2020.

2.4 **UGC recognition:** There was a detailed discussion and brain storming on the subject of UGC recognition of IJC and how to take the journal to the next level. Despite lot of efforts and follow up from Dr. Datta, Dr. Sharma and Dr. Kar there has not been much response from UGC. Professor Atrey volunteered to meet Mr. Patwardhan –UGC CARE at the Head Office of UGC-CARE in Savitribai Phule Pune University, Pune, along with additional certificates of recommendations from reputed institutes like IIT, ISRO, and DAE.

2.5 Professor Atrey thanked Dr. Sharma for his contributions in last 10 years for single handedly taking the IJC to new heights with his meticulous dedication and diligence. There was a huge round of applause for Dr. Sharma.

2.6 **IJC new committee formation:** Honouring Dr. R G Sharma's desire to relinquish himself from the post of the Chief Editor of IJC, he was requested to join the advisory board. Professor Atrey proposed the name of Dr. Datta for this post. He was unanimously elected the new Chief Editor of IJC with immediate effect. Dr. Datta accepted his new post. The



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members recommended Dr. Sharma and Dr. Upendra Prasad (IPR) to become the Advisory Board members of Superconductivity & Low Temp. Physics group of the journal, while Dr. V. Narayanan and Professor S. L. Bapat were recommended for the advisory board of Cryogenic engineering. (List attached).

2.7 IJC Advisory Board structure: Further there was a discussion on the matter of what should be the structure of the IJC board. There were suggestions of formation of a structure of Chief Editor, Associate Editor and the Editorial Board. Professor Atrey suggested that the new Editorial Board may collate all suggestions (given below) and develop further course of action. He further requested the Editorial Board to suggest strategies/solutions for the matter related to the UGC approval of IJC and present the same in the next EC meeting, to be held in December 2020.

2.8 Several suggestions, as below, were put forward regarding the IJC:

- a. IJC needs more papers and participation from the Industry
- b. Importance of impact factor of the journal
- c. Suggestion for symposium on low temperature Physics & Superconductivity
- d. Incentives/motivation for publication in IJC
- e. Increase participation of ISRO personnel for publication in IJC

2.9 NSCS28: February 2021 was ruled out for the conduct of NSCS28, due to the ongoing COVID-19 pandemic. It will be tentatively held in November 2021 end or by the 2nd week of December 2021. Dr. Datta to confirm the dates. There was a suggestion that organizing virtual conference may be a possible route to shorten the long time gap. Professor Atrey suggested the organization of short virtual workshops/webinars of half a day or a day each on specific/general topics like low temperature Physics and industry etc. Dr. Kar pointed out that IJC volume cannot be published in the year 2021 if NSCS is delayed. In view of this, it was decided that papers of the virtual workshop may be published in IJC vol 46.

2.10 Webinars: Professor Atrey requested Mr. Parag Kulkarni to take the lead to organize the webinars. In addition, Mr. Kulkarni also volunteered to take responsibility for coming out with a reference book listing all the Indian industries involved in cryogenics with a possible "Buyers guide". A committee to be formed under his chairmanship. The committee will have at least one representative from each zone.

2.11 Pending land issue: There was a discussion between Dr. Sarkar and Dr. Datta on the land issue that has been pending, Dr. Datta felt it was important to keep the new EC members updated on the same. Dr. Sarkar apprised that as there are issues of funds, once normalcy in the situation of COVID-19 is restored, he will update on the status. It should take 6 months tentatively.

2.12 Professor Sarangi reiterated that the ICC community is too small to make an impact and suggested the creation of a small task force in order to persuade more people to join the community, to contact industries and to persuade DST/CSIR kind of funding agencies for participation.

The meeting ended with a vote of thanks to the chair. The next EC meeting to be held in December 2020.



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Updated Elected EC members of ICC for 2020- 2022 (*Indicates Ex- Officio)

Sl. No	Post	Name	Remark
1	President	Professor. M D Atrey	Professor and Dean(R&D), IIT Bombay
2	Vice President (1)*	Dr. R G Sharma, Chair NZ	Ex-Scientist, NPL, IUAC, New Delhi
3	Vice president (2)*	Professor Sunil Sarangi, Chair EZ	Ex- Director, NIT Rourkela
4	Vice President (3)*	Professor R Karunanithi, Chair SZ	Professor, IISc Bengaluru
5	Vice President (4)*	Professor H.B.Naik, Chair WZ	Professor, SVNIT Surat
6	Ex – President*& Chief Editor(Publication)	Professor T S Datta	Visiting Professor, IIT Kharagpur
7	Secretary (Technical)	Dr. Soumen Kar	Scientist, IUAC, Delhi
8	Secretary (Administration)	Dr. Tamal Bhattacharyya	Scientific Officer, VECC, Kolkata
8	Treasurer (Reg. Office)	Dr. Uttam Bhunia	Scientific Officer, VECC, Kolkata
9	Joint Treasurer	Dr. R S Meena	Scientist, NPL. Delhi
10	Member, North Zone (1)	Dr. Manmohan Singh	Scientist, SSPL Delhi
11	Member, North Zone (2)	Dr. Tushar Bhowmick	Director, Tudinous Kryos Pvt.Ltd, Delhi
12	ICEC Representative*	Professor Subhash Jacob	Ex-Professor, IISc Bengaluru
13	Member, West Zone (1)	Dr. V L Tanna	Scientific Officer, IPR Gandhinagar
14	Member, West Zone (2)	Mr. Parag Kulkarni	Director, INOX India Pvt.Ltd, Vadodara
15	Member, West Zone (3)	Dr. B. Sarkar	Scientist, ITER- India
16	Member West Zone (4)	Professor H J Bahirat	Professor, IIT Bombay
17	Member, South Zone (1)	Dr. V Narayanan	Director, LPSC/ISRO, Trivandrum
18	Member, South Zone (2)	Professor G Venkatrathnam	Professor, IIT Madras
19	Member, South Zone (3)	Professor R. Singh	Hon.Professor, University of Hyderabad, Hyderabad
20	Member, East Zone (1)	Dr. S C Sarkar	Professor, Jadavpur University
21	Member, East Zone (2)	Professor P S Ghosh	Professor, IIT Kharagpur
22	Member, East Zone (3)	Professor R K Sahoo	Professor, NIT Rourkela

Co-opted: Dr. Mukesh Goyal (O/G, CrTD, BARC Mumbai), Dr. D S Nadig (Principal Research Scientist, IISc Bengaluru), Professor. Subimal Saha (Ex-Project Director, VECC Kolkata)



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The New Editorial Advisory Board of Indian Journal of Cryogenics

Chief Editor: Dr. T.S.Datta (Visiting Professor, IIT Kharagpur)

Editors: Professor T.K.Nandi (Professor, IIT Kharagpur), Professor H.B.Naik (Professor, SVNIT Surat), Professor Karunanithi (Professor, IISc Bengaluru)

Advisory Board

Cryogenic Engineering	
1. Professor K G Narayankhedkar	(D. G. MGM CET, Navi Mumbai)
2. Professor Sunil Sarangi	(Ex- Director, NIT Rourkela)
3. Professor Y C Saxena Gandhinagar)	(Ex-Senior Professor, IPR Gandhinagar)
4. Dr. R K Bhandari	(Ex-Director, VECC Kolkata)
5. Professor Kasthuriengan	(Professor, IISc Bangalore)
6. Dr. Anindya Chakraborty	(Scientific Officer, BARC Mumbai)
7. Professor G Venkatrathnam	(Professor, IIT Madras)
8. Professor Kanchan Choudhury	(Professor, IIT Kharagpur)
9. Dr.V.Narayanan	(Director, LPSC/ISRO Trivandrum)
10. Professor Sonal Desai	(Faculty, CKPCET College Surat)
11. Professor S.L.Bapat	(Professor, IIT Bombay)

Superconductivity & Low Temperature Physics	
1. Professor R Srinivasan	(Ex- Director, DAE-UGC CSR Indore)
2. Dr. T S Radhakrishnan	(Ex- IGCAR Kalpakkam)
3. Dr.R.G.Sharma	(Ex-Scientist NPL, IUAC Delhi)
4. Professor Nagarajan Mumbai)	(Emeritus Professor, CEBS University, Mumbai)
5. Dr. Upendra Prasad	(Scientific Officer, IPR Gandhinagar)
6. Professor P. Chaddah	(Ex Director, DAE-UGC CSR Indore)
7. Professor R Singh Hyderabad)	(Hon.Professor, University of Hyderabad Hyderabad)
8. Dr. Nisith Das	(Scientific Officer, VECC Kolkata)
9. Professor V. V. Rao	(Visiting Professor, IIT Kharagpur)