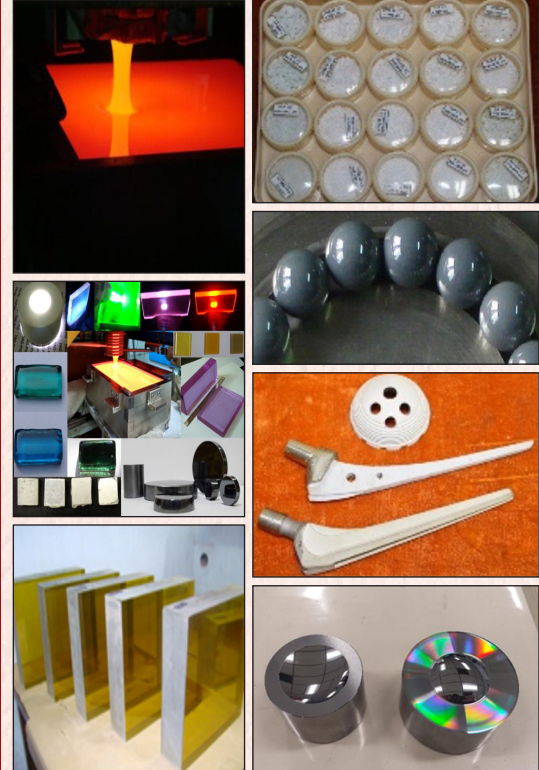


International Conference on Exploring The Emerging World of Ceramics and Glass (ICEECG 2023)



On the occasion of



87th Annual
Session of The Indian
Ceramic Society



75th Annual Session
of All India Pottery
Manufacturers' Association



49th Annual Session
of Indian Institute of
Ceramics

19th -21st DECEMBER, 2023

Venue : CSIR- Central Glass and Ceramic Research Institute
196, Raja S. C. Mullick Road, Jadavpur, Kolkata – 700 032 (India)



Organized by



The Indian Ceramic
Society, Kolkata
Chapter

In association with



CSIR - Central Glass and
Ceramic Research
Institute

Media Partner





International Conference on **EXPLORING THE EMERGING WORLD OF CERAMICS AND GLASS (ICEECG 2023)**

About the Event

Ceramics are closely entangled with the evolution of human civilisation. Its existence in the very early period of human civilisation is unequivocally established. Importance of ceramics and glass and their scope of applications have been widened with the passing time. Presence of ceramics can be witnessed from the very traditional applications such as tiles, sanitaryware, crockery to very sophisticated electronic components, space applications. Similarly, from container and window panel applications, glass has travelled a long path towards very high end applications. With the advancement of time, the requirements for these existing applications are gradually changing and new areas are emerging. Sustainable development goal to protect our environment additionally acts as catalyst for the emergence of new materials, and forces us to rethink about the existing material and applications. In this challenging scenario, The Indian Ceramic Society, Kolkata Chapter jointly with CSIR-Central Glass & Ceramic Research Institute, Indian Institute of Ceramics and All India Pottery Manufacturers' Association will organise a two days international conference on "Exploring the Emerging World of Ceramics and Glass (ICEECG)". Primary objective of this conference is to provide an arena to the researchers, scientists, engineers, entrepreneurs and the industry personnel to share their idea, experience and expertise in the challenging and emerging areas of glass and ceramics. The seminar will be beneficial for all the participants in terms of collaboration, knowledge generation in the area of futuristic materials.

Topics to be Covered

- Modelling, simulation and structural studies
- Structural Ceramics
- Industrial Ceramics
- Refractory
- Ultra High Temperature Materials
- Multifunctional Glasses and Glass-Ceramics
- Biomaterials
- Photonic and Optical materials
- Electronic Ceramics
- Energy and Environment
- Ceramic and glass coatings
- Fibres and Composites
- Waste utilisation and sustainability

Important Dates

Submission of Abstracts : September 30, 2023
Acceptance Notification : October 31, 2023
Registration without late fee : November 25, 2023
Spot Registration : December 19, 2023

Necessary Links

Registration :

<https://incers.org/annual-reg.php>

Abstract Submission :

<https://incers.org/form/abstract-submission>

ICEECG 2023, December 19-21, 2023 at CSIR-CGCRI, Kolkata





ADVISORY COMMITTEE

- Dr Atanu Ranjan Pal, Chief Technology Officer, Process, Tata Steel Ltd
- Dr Bharat. B. Kale, Director and DG, C-MET
- Mr Chinmay Basu, Chief Operating Officer (India), Calders India Refractories Limited
- Mr H. P. Sharma, Ex-CEE, Samtel Glass Ltd
- Professor H. S. Maiti, Project adviser, Belegghata and Former Director, CGCRI
- Dr K. Muraleedharan, Former Director, CSIR-CGCRI, Kolkata and presently Emeritus Scientist, C-MET
- Professor Manoj Choudhury, Adjunct Professor Materials Science & Engineering, Ohio State University & President International Commission on Glass (2015-2018) and Director, The American Ceramic Society (2015-2018)
- Mr N Ananthaseshan, Managing Director, Carborundum Universal Limited
- Mr. P. K. Kheruka, Chairman, Borosil Ltd. and Borosil Renewables Ltd
- Professor Parag Bhargava, prof. Department of Metallurgical Engineering & Materials Science, IIT-Bombay
- Professor Pradeep Srivastava, Executive Director, TIFAC, DST
- Mr Parmod Sagar, MD & CEO, RHI Magnesita and President of World Refractories Association (WRA)
- Mr Sujat Ali Khan, Chief Refractories, Odisha, Tata Steel Limited
- Professor S. Tanabe, Professor of Material Chemistry, Graduate School of Human Environmental Studies, Kyoto University
- Mr Segi P. Idicula, India Business Director: Refr, Abrasives Construction BA, IMERYS & Managing Director, Imerys Vizag Pvt Ltd
- Professor Vinay Kumar Singh, Head, Dept of Ceramic Engineering, IIT-BHU

ORGANIZING COMMITTEE

Dr Suman Kumari Mishra, Director, CSIR-CGCRI and Chairperson, ICEECG 2023

Mr Sitendu Mandal, Co-Chairman	Mr S. Chandrashekar, Member
Mr Sunanda Sengupta , Co-Chairman	Dr Roy Johnson, Member
Dr H. S. Tripathi, Organizing Secretary	Dr Manas Ranjan Majhi, Member
Mr Jaydeep Bagchi, Joint Secretary	Dr J. S. Yadav, Member
Mr Swapan Kr Saha , Treasurer	Dr Sanjay Kumar, Member
Mr Siddhartha Dey, Member	Dr S. Ananthakumar, Member
Dr C. D. Madhusoodana, Member	Dr Chandresh Agrawal, Member
Professor Dibakar Das, Member	Dr Parvesh Agrawal, Member
Professor Swadesh Pratihar, Member	Mr Debasish Majumder, Member

Reception, Dias and Hall Management Committee	Registration Committee	Technical Session Committee
Mr Santanu Sen, Advisor	Dr Goutam Bhattacharya, Advisor	Dr Arup Ghosh, Chairman
Mr Rahuldeb Mukhopadhyay, Convenor	Dr Shirshendu Chakraborty, Convenor	Dr Kausik Dana, Convenor
Mrs Piyali Chakrabarty, Co-convenor	Dr Somnath Sinhamahapatra, Co-convenor	Dr Kaushik Biswas, Co-convenor
		Dr Subhodip Bodhak, Co-convenor

Publication & Exhibition Committee	Digital & Social Media Committee	Finance Resources Committee
Prof. Rituporno Sen, Advisor	Mr Sachidulal Majumdar, Advisor	Mr Sunanda Sengupta, Advisor
Dr Sunirmal Jana , Convenor	Mr Jaydeep Bagchi, Convenor	Mr Dhiman Banerjee, Convenor
Dr Sucharita Manna, Co-convenor	Ms. Paromita Das, Co-convenor	Mr Sudip Bose, Co-convenor
		Dr P. M. Solanki, Co-convenor

Food & Refreshment Committee	Transport & Accommodation Committee
Dr H.S. Tripathi, Advisor	Dr Prasanta Kr. Sinha , Convenor
Dr Somnath Sinhamahapatra, Convenor	Mr Somjyoti Basak, Co-convenor
Mr Sirshendu Ghorui, Co-convenor	

ICEECG 2023, December 19-21, 2023 at CSIR-CGCRI, Kolkata



International Conference on **EXPLORING THE EMERGING WORLD OF CERAMICS AND GLASS(ICEECG 2023)**

Registration

Sl. no.	Category of delegates	Registration fees (Rs)	
		Up to 25.11.23	After 25.11.23
1	Corporate Members - Large Scale Unit (for 2 persons)	16,520	18,880
2	Corporate Members - Small Scale Unit (for 1 person)	8,260	9,440
3	Members and Life Members	5,900	6,490
4	Members retired from service (provided he/she should be continuous member for minimum 25 years)	3,540	4,130
5	Members 70 years old and above / continuous members for >35 years	Free	Free
6	Accompanying Spouse (without registration kits)	2,950	2,950
7	Full time PhD students including Project Assistant, excluding Post Doc Fellow	4,130	4,720
8	Students (B. Tech / M. Tech)	1,416	1,534
9	Non-Members	11,800	11,800
10	SAARC Delegates	5,900	6,490
11	Foreign Delegates	US\$ 425	US\$ 472

GST Inclusive

Registration fees are to be paid by CBS cheque/demand draft drawn in favour of 'The Indian Ceramic Society', payable at Kolkata, and sent to: The Honorary Secretary, Indian Ceramic Society, Care: CSIR-Central Glass & Ceramic Research Institute, Kolkata – 700032.

Account details for bank transfer are as follows:

(the respective delegate should provide his/her full details along with UTR no. / Bank reference no. to the Honorary Secretary via email at incers1928@gmail.com)

Beneficiary: The Indian Ceramic Society; Bank Account no.: 08560100007854

Bank Name: Bank of Baroda; Branch: Jodhpur Park, Kolkata

Branch Code: JODCAL/0856; Bank Code: 012

IFSC & RTGS Code: BARB0JODCAL (Fifth Character is Zero)

Here is the link for registration: <https://incers.org/annual-reg.php>

Sponsorship

Category	Amount (Rs) (18% GST extra)	Benefits	Free Registration
Platinum sponsor	7,00,000	<ul style="list-style-type: none"> Logo and display in Podium, Hall in all communications / Promotions Display in flex outside the venue One free exhibition stall One page free colour advt in souvenir 	10 delegates
Diamond Sponsor	5,00,000	<ul style="list-style-type: none"> Logo and display in Podium, Hall in all communications / Promotions Display in flex outside the venue One free exhibition stall One page free colour advt in souvenir 	6 delegates
Gold sponsor	3,00,000	<ul style="list-style-type: none"> Logo and display in Podium, Hall in all communications / Promotions Display in flex outside the venue One free exhibition stall One page free colour advt in souvenir 	4 delegates
Lunch sponsor	2,00,000	<ul style="list-style-type: none"> Display of banner in the lunch venue One page free colour advertisement in the souvenir 	2 delegates
Sponsor for one Technical Session	1,00,000	One page free colour advt in souvenir	



Exhibition

An exhibition of conventional as well as advanced ceramics, glass, refractories, composites, engineering ceramics and allied products, machinery, instruments, kilns, raw materials, etc will be arranged on the occasion. Limited number of covered 2 m x 1 m size stalls will be available at the venue. The tariff for the same is Rs 50,000/- (+18% GST) with two delegates free registration.

Advertisement Tariff

Souvenir will be brought out on this occasion, which will contain details of program, technical articles and advertisements. The advertisement tariffs are as follows:

Position	Rate (Rs) + 18% GST
Back cover	80,000/-
Inside front cover (2nd cover)	50,000/-
Inside back cover (3rd cover)	50,000/-
Full page (Colour)	20,000/-

Bank details for Sponsorship / Exhibition / Advertisement are as follows:

Beneficiary Name : The Indian Ceramic Society ; Bank Account No. 0085002100011408

Bank Name : Punjab National Bank ; Branch Name : Ballygunge Branch, Kolkata

Branch Code: 008500 ; Bank Code : 024 ;

Swift Code : PUNBINBBISB

IFSC / RTGS / NEFT Code: PUNB0008500

Kolkata – The Host City

Kolkata (formerly known as Calcutta), the 'cultural capital' of India and the capital of Indian state West Bengal, retains the relics of the historic past while keeping pace with the present. Here is a city in which monuments of architectural splendour, old picturesque churches, temples and cultural treasures stand side by side with modern skyscrapers, industries of repute, universities and a modern way of life. It is the nerve centre of trade (via land and water) in eastern India, and a significant contributor to the world of art, literature and cinema, both in and out of India. It has now become one of the most modern hubs of IT sectors in India. The enviable growth in all spheres has placed the city on the global map. Kolkata is well connected by air, rail and road with other parts of the world. Kolkata is the hometown of world-renowned personalities like Rabindranath Tagore, Swami Vivekananda, Netaji Subhas Chandra Bose, Acharya Prafulla Chandra Roy, Acharya Jagadish Chandra Bose, Dr Meghnad Saha, Dr C. V. Raman, Uday Shankar, Mother Teresa, Satyajit Ray, Dr Amartya Sen, Dr Abhijit Banerjee, Sourav Ganguly, to name a few.



Key Contacts

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Email: hstripathi@cgcri.res.in, iceecg2023@gmail.com

ICEECG 2023, December 19-21, 2023 at CSIR-CGRI, Kolkata



Call for Papers

The Technical Sessions of the Society will be devoted to oral / poster presentations of papers and will broadly cover the fields as indicated. Those who propose to present papers are requested to send the title and abstract in about 200 words, typed in double space, via the online link:

<https://incers.org/form/abstract-submission> within September 30, 2023.

The abstracts will be subjected to primary screening by an Expert Committee. The decision regarding acceptance will be communicated to the respective authors in due course. The abstracts of the accepted papers will be printed in the souvenir.

The authors may kindly note that authors, who wish to publish full paper relevant to the submitted abstract, may submit full text of the paper via the online manuscript peer-review system, ScholarOne Manuscripts at <http://mc.manuscriptcentral.com/tcer>. The papers may be published in the Society's quarterly journal, "Transactions of the Indian Ceramic Society" in due course, if accepted through the peer review system.

Any paper submitted to the Society and accepted for presentation shall be the property of the Society who will hold the copyright thereof.

Students' Session

The Society has introduced a Session, especially for the students, since 1999, with a view to encourage their participation in the Oral Presentation of papers during the Annual Session of the Society. A maximum number of six (6) students (students of B.Tech and M.Tech only), from among the Institutions of the country, would be selected on the merit of submitted full papers. (The participating student must be a MEMBER of the Indian Ceramic Society). The papers are to be uploaded by the respective Head of the Institution in the online link: <https://incers.org/form/abstract-submission> on or before September 30, 2023. An Expert Committee will scrutinize the papers and adjudge the merit. The decision of the Committee will be final and binding in the matter.

The selected students would be allowed to reimburse to-and-fro ordinary 2nd Class Sleeper Train Fare and their Registration Fee would be free. In case of joint authorship only one author would be considered.

Certificates will be given for best presentations (1st, 2nd & 3rd positions) along with cash awards.

ICEECG 2023, December 19-21, 2023 at CSIR-CGCRI, Kolkata





Tentative Programme of ICEECG 2023

Day 1: December 19, 2023, Tuesday

Time	Event
08.00 - 09.15 hrs	REGISTRATION
09.15 - 11.00 hrs	Inaugural Session
11.00 - 11.30 hrs	Inauguration of Exhibition and High Tea
11.30-12:10 hrs	Keynote Address
12.10 - 13:30 hrs	Technical Session 1 (Memorial Lecture) 36 th M. G. Bhagat Memorial Lecture 16 th Sahaj Memorial Lecture
13.30 - 14:30 hrs	Lunch (Venue: KD Sharma Multipurpose Hall, CSIR-CGCRI)
14:30 - 15:30 hrs	Technical Session 2 (Plenary Talk)
15:45 - 16:45 hrs	AGM of the Indian Ceramic Society
16:45 - 17:30 hrs	AGM of the Indian Institute of Ceramics
17:30 - 18:15 hrs	AGM of the AIPMA
19:30 - 22:00 hrs	Conference Dinner (Venue: Raajkutir, Kolkata)

Day 2: December 20, 2023, Wednesday

Time	Event
09.30-11.00 hrs	Technical Session 3 (Invited Talk)
11.00 - 11.30 hrs	Inauguration of Poster Session and High Tea
11.30 -13.00 hrs	Technical Session 4 (Parallel Session)
13.00 - 14.00 hrs	Lunch (Venue: KD Sharma Multipurpose Hall, CSIR-CGCRI)
14.00 -15.45 hrs	Technical Session 5 (Parallel Session)
15.45 -16.00 hrs	Tea Break
16.00 -17.00 hrs	Technical Session 6 (Student Session)
17.00 -18.00 hrs	Poster Session
18.30 -19.30 hrs	Cultural Program (Venue: M N Saha Auditorium, CSIR-CGCRI)
19.30 - 22:00 hrs	Dinner (Venue: KD Sharma Multipurpose Hall, CSIR-CGCRI)

Day 3: December 21, 2023, Thursday

Time	Event
09.30-11.00 hrs	Technical Session 7 (Invited Talk)
11.00 - 11.30 hrs	Tea Break
11.30 -13.30 hrs	Technical Session 8 (Parallel Session)
13.30 - 14.30 hrs	Lunch (Venue: KD Sharma Multipurpose Hall, CSIR-CGCRI)
14.30 -15.30 hrs	Technical Session 9 (Industry Brain-Storming Session)
15.30 -16.30 hrs	Valedictory Session and Award Distribution



ICEECG 2023, December 19-21, 2023 at CSIR-CGCRI, Kolkata

Organisers



INDIAN CERAMIC SOCIETY (INCERS)

Indian Ceramic Society (InCerS), a non-profit organization, was established in the year 1928 under the guidance and active support of Pandit Madan Mohan Malaviya, the main architect for establishing the Banaras Hindu University (BHU), Varanasi. Indian Ceramic Society was founded with the primary objective of promoting friendship and cooperation among all those who are engaged in the manufacturing of ceramic products or in teaching of ceramics or in any other way connected with ceramics and interested in the advancement of knowledge, art and technology connected therewith. The Society has 13 Chapters with a membership of over 2000. The quarterly publication of the Society, 'Transactions of the Indian Ceramic Society' is co-published with Taylor & Francis Group (T&F), UK. InCerS is in collaborative partnerships with The American Ceramic Society as also with European Ceramic Society for mutual benefit and enhancement of InCerS and the said foreign ceramic societies. More details at www.incers.org

INDIAN CERAMIC SOCIETY, KOLKATA CHAPTER

Indian Ceramic Society Kolkata Chapter, a registered non-profit body is one of the very active chapters with a membership of about 350. This chapter is actively involved in various activities for the promotion of glass and ceramics in the country. The chapter won the Best Chapter award in the year 2019. Members of this chapter received several prestigious awards and fellowship in recognition for their contribution towards the advancement of the science and technology in the field of glass and ceramics. Apart from organizing Seminar, Lecture meetings and Workshops on topics related to ceramic science and technology, the Chapter organized Annual Session several times in the past.

CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

CSIR-Central Glass & Ceramic Research Institute (CSIR-CGCRI), a constituent laboratory of the Council of Scientific and Industrial Research (CSIR) was established in 1950 at Kolkata. The institute is engaged in research and development in the field of ceramics and glass. With the advent of time, the institute aligned itself to cater the needs of the nation and international development in the field of glass and ceramic science & technology. The Institute has been serving various sectors in the country including strategic, societal and general industries. It has one of the best facilities in the country for the processing of ceramics and glass materials and characterizing them. International collaboration with important R&D institutes of a large number of countries gives an opportunity to the Institute to keep itself abreast with the latest developments in the key areas, which it is pursuing. More details at www.cgcri.res.in

ALL INDIA POTTERY MANUFACTURERS' ASSOCIATION (AIPMA)

AIPMA was founded in the year 1948 by a group of entrepreneurs, led by Mr M. G. Bhagat, a pioneer industrialist of the country. It is the forum for promoting and exchanging knowledge in ceramic industry in India and to encourage its members to be partner in the development of pottery industry. The main objectives of AIPMA are to encourage the ceramic industry and to protect its interests. The members of AIPMA are basically from industry.

INDIAN INSTITUTE OF CERAMICS (IIC)

The Institute was founded in the year 1973, initially to train manpower in Ceramics, for service to the industry. The aim is to promote the study and practice of Ceramic Science, Technology and Engineering to extend knowledge in Ceramics, to issue certificates by conducting examination as per prescribed syllabus. Majority of students come from industry, so that after qualifying the course they can provide better service to industry as well as it enhances their career prospect. Many students passed out from this Institute pursued for higher studies from premium Institution and contribute in educational field. More details at <http://www.iiceram.org>

