

ICONEST-2024

3rd International Conference on Electrochemical Science and Technology-2024

**Focus Theme: Electrochemical Technologies for Sustainable
Development**

18-20 September 2024

Venue: Auditorium, CSIR- NPL, Dr. K. S. Krishnan Marg, New Delhi- 110012

ORGANIZED BY



**CSIR-National Physical Laboratory (NPL), New Delhi- 110012
&
The Electrochemical Society of India
Indian Institute of Science Campus, Bengaluru - 560 012**

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About ICONEST-2024

The **International Conference on Electrochemical Science and Technology, ICONEST - 2024** will be held at CSIR- National Physical Laboratory, New Delhi, India during 18-20 September 2024. The conference mainly focuses on **Electrochemical Technologies for Sustainable Development**. Electrochemistry plays an important role in the emerging world of science and technology along with energy, environment, corrosion, electroplating and health care. We cordially invite scientists, academicians, industrialists and students working in electrochemical science and technology and allied areas to participate in this international conference. Students and young researchers are particularly encouraged to present and highlight their findings during the conference.

SCOPE OF ICONEST-2024

- Electrochemical H₂ Production, Storage & Applications
- Electrochemical Energy Systems: Batteries, Supercapacitors, Fuel Cells & Energy Storage
- Renewable & Alternate Energies
- Analytical Electrochemistry: Sensors, Environment & Pollution Control
- Corrosion & Materials Protection
- Surface Engineering & Metal Finishing
- Metallurgy & Materials Science: Novel Electrode Materials, Electrosynthesis & Electrometallurgy
- Nanotechnology & Electrochemistry
- Industrial Applications of Electrochemistry
- Electrocatalysis & Electrochromic Materials
- Bioelectrochemistry & Biosensors
- Electrochemistry in Electronics and Smart Coatings
- Electrochemical Instruments & Applications
- Electrochemistry in Healthcare
- Modeling & Simulation in Electrochemical Processes
- Molten Salts & Room temperature Ionic Liquids
- Spectroelectrochemistry
- Metrology in Electrochemistry

About CSIR-NPL

CSIR-NPL is mandated to be India's national measurement institute and is the custodian of "National Standards" with a responsibility of regulation, establishment, upgradation, maintenance, and dissemination of them at par with international standards. CSIR-NPL supports Indian industries and academia to maintain international standards in quality. Apart from this, CSIR-NPL has a strong research program on materials science and its applications in the fields of healthcare, energy, solar cells, bio-medical devices, and quantum information processing. CSIR-NPL is involved in the development of reference standard materials, under the trade name of Bhartiya Nirdeshak Dravya (BND) useful in calibrating equipment and validation of physical/chemical parameters. The institute aims to develop sophisticated analytical equipment as part of the Government of India's 'Make in India' initiative, reducing import dependence. Institutes participate in the Skill India initiatives by training a large number of young scientists and industry personnel in precision measurement. Also, establish a research outreach program offering state-of-the-art facilities for industrial and academic research. CSIR-NPL's objectives are aligned with enhancing India's scientific capabilities, supporting industry growth, and ensuring compliance with measurement standards both nationally and internationally.

About ECSI

The Electrochemical Society of India (ECSI) has been in existence on the IISc Campus for more than 72 years. It is a Professional Society that provides a platform for discussions in the area of Electrochemistry, Corrosion, Batteries, Coatings, Electroplating and forming, and other electrochemical science and technology. A significant activity of ECSI is the publication of the Journal of the Electrochemical Society of India (JECSI), which is presently completing 72 years of continuous publication. Annual Technical Meetings (NSEST) organized by the Society during the month of August every year have been very popular among researchers. A special feature of these meetings is the encouragement given to students and teachers. In addition, workshops, courses and seminars are organized in areas of specific interest to industries and academicians. Membership is open to Individuals and Institutions in different categories: Individual, Industrial, Corporate, Life Member, Donor, Patron and Student. Those desirous of becoming members can write to the Hon. General Secretary and access the website www.ecsi.in.

The Society awards the following awards in recognition of merit in the area of Electrochemical Science and Technology:

- S. K. Sheshadri Memorial MASCOT Award in Corrosion Science and Engineering
- N.M. Sampat Award for best contributions made in the field of industrial metal finishing
- ECSI Life Time Achievement Award
- Metrohm National Award for Electrochemical Science
- Amararaja National Award for Advanced Electrochemical Technology
- Dr. K. Elayaperumal National Award for Excellence in Industrial Electrochemical Science & Technology

ECSI organizes the following special lectures to honour the persons who were connected with the Society:

- Prof. T. L. Rama Char Memorial Lecture
- Prof. B. S. Sheshadri Memorial Lecture
- Dr. S. Krishnamurthy Memorial Lecture
- Prof. S. M. Mayanna Endowment Lecture
- Dr. S.R. Rajagopalan Endowment Lecture

The Society has a collection of over 3000 books in various fields of Electrochemical Science and Technology. Members may visit the library and make use of the books.

Call for Papers

Professionals from the industry, academic and research organizations are invited to submit their research work for the upcoming ICONEST-2024. The conference comprises of plenary lectures, invited talks and contributed oral and poster presentations from all over the world. Research papers are invited, under the theme sustainable developments in "Electrochemistry, Electroplating, Energy, Environment and Corrosion". Abstracts of about 250-300 words can be submitted by email to iconest2024@gmail.com and ecsiisc@gmail.com. The abstract should contain the title of the paper, keywords, the author's name and their affiliation including the mailing address and the email of the corresponding author. Abstracts should clearly mention about the aim, important results and conclusions of the study. The papers will be accepted based on the understanding that one of the authors will attend and present the paper at the conference. Guidelines for preparation and submission of final paper will be communicated upon the acceptance of the abstract. The accepted papers will be published in the journal of the Electrochemical Society of India.

Dates to Remember

Abstract Submission Ends: 30th June 2024

Abstract Acceptance Notification: 15th July 2024

Registration of Authors Ends: 15th August 2024

Full paper submission Ends: 20th August 2024

International Advisory Committee

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Mr. Sandeep Singh, CSIR-NPL, New Delhi

Registration Fee

The delegates of the conference can register by sending their details to the Convener, ICON-EST-2024 along with the registration fee mentioned below.

Foreign delegates:

Registration fee for delegates: US\$ 500

Students /accompanying person/Spouse: US\$ 200

Indian delegates:

Bank Details for NEFT Transfer

SB A/c No: 0683101001616

Name: Electrochemical Society of India

Bank Address: Canara Bank, IISc Campus,

Bangalore- 560012

Branch Code: 0683 IFSC Code : CNRB0000683

MICR No: 560015023

SWIFT CODE: CNRBINBB

Sl.No	Particulars	Amount (Rs.)
1.	Individuals	6,000 +18% GST
2.	Members of ECSI	5,000 +18% GST
3.	Teachers from Educational Institutions	3,000 +18% GST
4.	Students Pursuing a degree/diploma Programme	2,000 +18% GST
5.	Company registration: up to 5 delegates	25,000 +18% GST

Registration fee is payable through online transfer or by crossed Cheque/Demand Draft favoring "The Electrochemical Society of India, Bengaluru" and Payable at Bengaluru.

Exhibition

A technical exhibition organized concurrently with ICONEST-2024 offers the companies to promote their latest developments and products in the field of Electrochemistry, Electroplating, Energy, Environment and Corrosion, while ensuring the quality of business contacts. About 500 researchers, scientists, industrialists and allied professionals from all over the world are expected to attend the ICONEST- 2024. Exhibition stalls will be allotted on first come first serve basis. Further information about the stalls can be obtained from the Convener of the Conference. The fee for the standard stall (3 m x 3 m) for Indian Company/organization is Rs. 75,000/-+GST and for Overseas Company/organization is 1000 USD. The stall contains standard power supply, lighting, table, chairs and display boards for displaying pamphlets and charts. Free registration for Two delegates is permitted.

Sponsorships

ICONEST -2024 provides a unique opportunity for sponsoring organizations to promote their products/services to the focused international and national audience besides having an excellent opportunity to interact with engineers/scientists/academia during the conference. The sponsorship details are given below:

Category of Sponsorship	Amount (Rs.)	Benefits
Gold	5,00,000+18%GST	<i>Logo in website, souvenir & display, One page profile in the souvenir, One Page color advertisement in the souvenir, Free registration for Five Delegates, Two exhibition stall</i>
Sliver	3,00,000+18%GST	<i>Logo in website, souvenir & display, One page profile in the souvenir, One Page color advertisement in the souvenir, Free registration for Three Delegates, One exhibition stall</i>
Bronze	2,00,000+18%GST	<i>Logo in website, souvenir & display, One page profile in the souvenir, One Page color advertisement in the souvenir, Free registration for Two Delegates</i>
Dinner	1,50,000+18%GST	<i>Announcement with logo in the dinner invitation card, One page profile in the souvenir, One page color advertisement in souvenir, Free registration for Two Delegates, Banner display during Dinner</i>
Lunch	1,00,000+18%GST	<i>Announcement with logo in the lunch invitation card, Freeregistration for Two Delegates, Banner display during Lunch</i>
Cultural Programme	1,00,000+18%GST	<i>Announcement with logo in the invitation card, Free registration for Two Delegates, Banner display during cultural program</i>
Technical Session	25,000+18%GST	<i>Announcement during beginning and end of session, Free registration for one Delegate, Banner display during the sessions</i>

A Souvenir will be published during the event. This will carry technical articles by eminent experts on current topics related to the conference and information about sponsors, exhibitors, etc. This will be widely circulated among the professionals and industries in India and abroad. Advertisements are invited for insertions in the souvenir. The fee for advertisements is given below:

Advertisement Details	Amount (Rs.)	Advertisement Details	Amount (Rs.)
Outside back cover page – Color	50,000+18%GST	Full Page (inside) – B&W	20,000 +18%GST
Inside cover page – Color	40,000+18%GST	Half Page (Inside) – B&W	10,000 +18%GST
Full page (inside) – Color	30,000+18%GST		

Conference Program

Dates: 18-20 September 2024

Venue: NPL Auditorium, CSIR-NPL, New Delhi (<https://www.nplindia.org/>)

Technical Programme: Keynote lectures; Invited lectures, Award lectures, oral and poster sessions and technical exhibition

Social events: Cultural programme and local sight seeing

Publications: Conference papers in JECSE and Souvenir will be released

Accommodation

New Delhi city is well known for a number of star hotels and also several good hotels with economy tariffs. Guest houses and hostel accommodations are also available for a limited number of participants at NPL campus particularly for students and researchers, on first come first serve basis. Those who require accommodation may contact convener of ICONEST-2024. More details of the accommodation will be made available at the conference website.

How to reach the venue?

NPL Auditorium, National Physical Laboratory (NPL), New Delhi, India

The CSIR- National Physical Laboratory of India, situated in New Delhi, is the measurement standards laboratory of India. The institute is also Internationally known as National Measurement Institute (NMI) of India. This is well connected from the International Airport, Railway station and Central bus stand.

By air: NPL is about 17 kms from the airport. One could take either a prepaid taxi (the counter is available near the exit of the Airport Building), or a city bus (a queue for the same is just outside the airport building). Additional information can be found at [http:// www.newdelhairport.in](http://www.newdelhairport.in)

For further information please contact

Dr. Ezhilselvi. V (Convener)

&

Shri Rajeeva Deekshit (Co-Convener)

ICONEST-2024

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Note : The delegates can register and submit their abstract at ecsiconference.in