

# The Institution of Engineers (India)

Durgapur Local Centre

All India Seminar on

'Cost-Effective and Emerging Effluent Treatment Technologies'

October 07-08, 2023, Durgapur

## DELEGATE REGISTRATION FORM

Name: (Block Letters).....

Organization/Institution:.....

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Address:.....

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Registration category:

TYPE OF DELEGATES	TYPE OF DELEGATES
AUTHORS / CORPORATE MEMBERS OF IEI / STUDENTS / FACULTY MEMBERS OF NITD	1000/-
ACADEMIC/ RESEARCH INSTITUTIONS	2000/-
INDUSTRY AND OTHERS	3000/-

I/We enclose a Cheque/ Demand Draft for Rs..... in favour of "The Institution of Engineers (India), Durgapur Local Centre" Payable at Durgapur &

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Date \_\_\_\_\_ (Signature with \*official seal)



## All India Seminar

On

Cost-Effective and Emerging Effluent Treatment Technologies

October 07 – 08, 2023

Organized by

The Institution of Engineers (India)

Durgapur Local Centre

Under the Aegis of

ENVIRONMENTAL ENGINEERING DIVISION BOARD, IEI

In Association With



Chemical Engineering Department

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR (NITD)

Venue

National Institute of Technology

Mahatma Gandhi Avenue, Durgapur

West Bengal 713209

## ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ PhD students of Engineering Institutes & Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification. For details, please visit [www.ieindia.org](http://www.ieindia.org)

## ABOUT IEI LOCAL CENTRE, DURGAPUR

The Institution of Engineers (India), Durgapur Local Centre established in 1961 in National Institute of Technology, (formerly known as R. E. College) Durgapur. In 1986 it was shifted from NIT Durgapur to Nehru Avenue, B-Zone, Durgapur-713205. Durgapur Local Centre achieved Best Local Centre for the session 2003-2004, 2015-16 and again 2018-2019. Durgapur chapter also achieved 2nd best technicians' chapter for the sessions 2015-2016, 2016-2017, 2017-2018, 2018-2019 consecutively.

Present Corporate Membership Strength is 2837 and Non corporate (i.e. Technician and Sr Technicians') Strength is 12110 as on 31st December 2021.

## ABOUT NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR (NITD)

A lush green campus of National Institute of Technology Durgapur (NIT Durgapur) with state-of-the-art infrastructure was established as a Regional Engineering College Durgapur (RECD) in 1960 as a joint venture of the Government of India and the Government of West Bengal. REC Durgapur was converted to NIT Durgapur under the full administrative and financial control of the Ministry of Human Resource Development of Government of India with a Deemed University status on 3rd July, 2003. Subsequently NITD has been given the status of a University by the UGC Act.

The Institute was declared an Institute of National Importance by the Government of India on August 15, 2007. In 2019 institute celebrated its Diamond Jubilee.

NIT Durgapur is a leading technical institute offering academic programs in the undergraduate, postgraduate, and doctoral levels in various engineering, technology, science, social science, and management studies. This autonomous Institute of National Importance is secured 9<sup>th</sup> position among all NITs and 43<sup>rd</sup> among Engineering disciplines in NIRF 2022 ranking. This is the Mentor institute of NIT Nagaland, NIT Arunachal Pradesh and other institutes. NIT Durgapur admits candidates with teaching assistantships as well as without teaching assistantships from Govt. Lab/ Industry/ Defence Sponsored, Self-Sponsored Candidates for research. NIT Durgapur published 5000+ SCOPUS indexed publications in the last 5 years; collaboration with National and International Institutes/ Universities Industry Internships and Industry-relevant projects facilities are available here.

## ABOUT DURGAPUR CITY

Durgapur is located in the district of Paschim Burdwan, in the state of West Bengal, India. It is a well-planned industrial city on the banks of river Damodar. It was founded in the late fifties by the then Chief Minister of West Bengal Dr Bidhan Chandra Roy. It is about 175 Kms away from the international Airport Kolkata, capital city of West Bengal. A large number of manufacturing industries are there in Durgapur, which includes Durgapur Steel Plant (DSP), Alloy Steel Plant (ASP), General Electric Manufacturing Unit, Graphite India Ltd, Durgapur Project Ltd., Durgapur Thermal Power Corporation, Philips Carbon Black Ltd, Graphite India Ltd. It is surrounded by many Coal Mines also. It is also having a software technology park of India consisting of various software firms like Pinnacle, Webel etc. It has an ambient environment conducive for studies. The well-built, well lit roads add to the strong infrastructure of Durgapur. At the present day, Durgapur city is evolving as one of the major attractions (after Kolkata) in West Bengal, not only because of its excellent infrastructure, but availability of all modern entertainment and health avenues, like shopping malls, multiplexes, five star hotels, specialty hospitals, etc. Well connectivity with Road, Rail & Air. The connectivity with Kazi Nazrul Islam Airport (Andal) to Delhi, Mumbai, Hyderabad, Chennai, Bangalore etc. is very good.

## ABOUT THE CONFERENCE

Effluent treatment is an essential aspect of industrial operations that ensures the safe disposal of wastewater. With the increasing demand for water resources and the need to protect the environment, the development of cost-effective and emerging effluent treatment technologies has become more critical than ever.

The impact of industrial and agricultural activities on our water bodies has been well documented, and it is imperative that we find solutions to mitigate this damage. In recent years, many new and innovative technologies have emerged that offer promising results in the treatment of effluent.

The aim of this conference is to bring together experts in the field of effluent treatment, to share their knowledge and experience, and to explore new and emerging technologies that can offer cost-effective solutions to the challenges we face. Through this exchange of ideas, we hope to find practical and sustainable ways to address the problem of effluent and to ensure a clean and healthy environment for future generations.

The purpose of the conference is to discuss cost-effective and emerging technologies for treating effluent and the challenges associated with them. The conference will cover a range of topics, including, but not limited to:

- ✓ The latest advances in effluent treatment technology
- ✓ The challenges of implementing cost-effective effluent treatment technologies
- ✓ The environmental and social impact of effluent treatment technologies
- ✓ The role of government policies in promoting the adoption of effluent treatment technologies
- ✓ Case studies of successful effluent treatment projects

The conference will provide an opportunity for participants to engage with experts in the field, learn about the latest research, and network with others interested in effluent treatment. Attendees will include researchers, engineers, environmental consultants, government officials, and industry professionals.

#### Sub-themes:

- ◆ Nature-Based Solutions
- ◆ Intelligent Monitoring and Control
- ◆ Industrial Case Studies
- ◆ Policy and Regulatory Considerations
- ◆ Sustainable Water Management
- ◆ Innovative Treatment Processes
- ◆ Resource Recovery
- ◆ Advanced Membrane Technologies
- ◆ Decentralized Treatment Systems
- ◆ Electrochemical Treatment Processes

### CALL FOR PAPERS

We are pleased to share that Durgapur Local Centre is organising All India Seminar on 'Cost-Effective and Emerging Effluent Treatment Technologies' during 7<sup>th</sup>-8<sup>th</sup> October, 2023 in association with Department of Chemical Engineering, National Institute of Technology Durgapur.

### GUIDELINES FOR AUTHORS

Based on original contributions leads to innovations, plans for development, observations, findings, critical surveys, and case studies, which are invited for discussion in the National Seminar. Authors intending to submit a manuscript for the All India Seminar on 'Cost-Effective and Emerging Effluent Treatment Technologies' are advised to adhere to the guidelines as mentioned below.

- The synthesis of the Paper within 500 words with a maximum of five keywords has to be submitted first and after acceptance of the same, the full text of the Paper has to be submitted.
- Domain experts will review Synopsis and the decision will be communicated to those authors whose synopsis is accepted.
- Full Text Paper should be prepared in line with the follows.
- Papers should be camera-ready in MS-Word format, not exceeding 3000 words in length excluding figures, tables, appendices.
- The language of the Publication is English. The mode of presentation should be in third person.

- The Template for preparation of article and the Declaration Form, (to be submitted by the authors duly filled in and signed for copyright purpose) is available with the link [https://www . ieindia . org/webui/IEI - Activities.aspx#Call\\_Papers](https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers)
- SI units should be used wherever possible. Other units, if used, should be given only in parentheses preceded by SI units.
- Mathematical symbols should be typed and care should be taken to differentiate between similar characters (e.g. 1 and I), upper and lower case letters and superscripts and subscripts.
- Lengthy mathematical proofs and derivations and extensive test data are discouraged. If absolutely essential, they should be given as appendices.

### HOW TO SUBMIT

The authors are requested to submit the Synopsis/abstract through the Easy Chair platform (<https://easychair.org/conferences/?conf=ceeett2023>) on and before 15/09/2023. Any query related to the submission or Conference can be written to Convenor : **Dr. Bimal Das, MIE** (E-mail: [bimal.das@che.nitdgp.ac.in](mailto:bimal.das@che.nitdgp.ac.in))

For more details and updates, Please visit the conference page:

<https://easychair.org/cfp/CEEETT2023>

### PUBLICATION IN SCOPUS INDEX JOURNAL

All abstracts/papers will be published in Conference Proceeding. Selected papers will be published by SPRINGER in **SCOPUS indexed journal** IEI-A.

### COPY RIGHT

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As per Bye-Law 118 of IEI, Copyright of each paper published in Institution Journals or Proceedings in full or in Abstract at its Centers shall lie with the Institution.

### BEST PRESENTATION AWARD

Best presentations will be selected for the award and will be conferred with a Certificate of Merit for each category.

### HOW TO REGISTER

After making the payment, the registration form is to be filled up online (LINK WILL be communicated later) and fees receipt to be uploaded in the same google form.

### MODE OF REMITTANCE:

The Bank account details are given below may be used for online money transfers:

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 Bank: State Bank of India Branch Code: 02108  
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 Account Number: 11520034651  
 Branch Details : R E College (Durgapur), NIT Campus  
 Durgapur, Dist. Paschim Bardhaman Pin.713209 IEI  
 PAN: AAATT3439Q  
 GST Number : 19AAATT3439Q6ZM

### REGISTRATION FEES

TYPE OF DELEGATES	AMOUNT INR (INCLUDING 18% GST)
AUTHORS / CORPORATE MEMBERS OF IEI / STUDENTS / FACULTY MEMBERS OF NITD	1000/-
ACADEMIC/ RESEARCH INSTITUTIONS	2000/
INDUSTRY AND OTHERS	3000/

### SPONSORSHIP FEES

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*PLATINUM SPONSOR	INR 2,00,000/- 8 delegates + Inside Full Page Colour Free
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*CO-SPONSOR	INR 50,000/- 1 delegate + Inside Full Page Black & White Free

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*Full page inside Back cover - color (one delegate will be free)	Rs 15000/-
*Full page-color	Rs 10000/-
*Full page black and white	Rs 7000/-
*Half page -color	Rs 5000/-
*Half page -Black and white	Rs 3000/-

### IMPORTANT DATES

Synopsis submission	September, 15, 2023
Notification of acceptance of synopsis	September, 25, 2023
Full-length paper submission (For publication in Journal)	Will be intimated later after the Conference
Registration	September 30, 2023

### ACCOMMODATION

Please contact the organizers as listed on the last page of this brochure for accommodation in the NIT Durgapur Guest House, where limited accommodation options are available. Besides, several good hotels are available near the NITD

### NATIONAL ADVISORY COMMITTEE

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 Mr Daljit Singh, Member, ENDB, IEI  
 Dr Santosh Kumar Singh, Member, ENDB, IEI  
 Mr Manas Majumder, Honorary Secretary, IEI Durgapur Local Centre

### ORGANISING COMMITTEE

**Chairman:** Mr Safikul Islam, Chairman, IEI, Durgapur Local Centre  
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**Org. Secretary:** Dr. Arup Kumar Mandal, Dept. of Metallurgical & Materials Engineering, NIT Durgapur

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 Dr. Rajib Ghosh Chowdhuri, Dept. of Chemical Engineering, NIT Durgapur  
 Dr. MrinalKanti Mandal, Dept. of Chemical Engineering, NIT Durgapur

For further clarification, please contact:

**Mr Manas Mazumdar, Honorary Secretary**  
**The Institution of Engineers (India)**  
 Durgapur Local Centre ([durgapurlc@ieindia.org](mailto:durgapurlc@ieindia.org))

OR

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**Mobile: +919434789023**  
**(E-mail: [bimal.das@che.nitdgp.ac.in](mailto:bimal.das@che.nitdgp.ac.in))**