

CONFERENCE ON SUSTAINABILITY CONCERNS IN WATER AND SANITATION, CLEAN ENERGY AND CLEAN ENVIRONMENT

On March 26 & 27, 2025 at IEST, Shibpur

Organized by

CIVILENGINEERING DEPARTMENT, IEST SHIBPUR

Jointly with

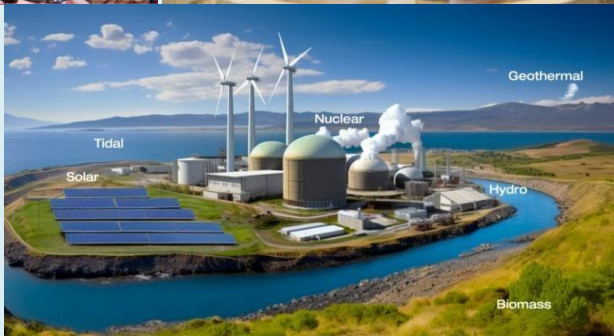
**GAABESU–GLOBAL ALUMNI ASSOCIATION OF IEST SHIBPUR and
ADI BHATTACHARYYA FOUNDATION, VERMONT, USA**

In association with

Consulting Engineers Association of India – E&NE Region

And in collaboration with

JIS Institute of Advanced Studies and Research, Kolkata



Preamble

United Nations, being concerned with the adverse impacts of development and human habits stressing on sustainability of living conditions of future generations, focused on achieving the seventeen (17) areas of Sustainable Development Goals (SDG) by 2030. Progress so far is widely varying. Even with substantial fund allocation and utilization in achieving targets under different programmes, India is far behind the target. Organisers of the Conference have been working for quite some time to create awareness of the adverse impacts of unsustainable living with an objective for action-driven approach. This Conference will focus on Water and Sanitation, Clean Energy and Clean Environment.

Joint Organisers

Indian Institute of Engineering Science and Technology (IEST), Shibpur – Department of Civil Engineering – Formerly Bengal Engineering College, IEST Shibpur is the second oldest engineering college in the country established in 1856 as a Civil Engineering College. The Institute, recognized as an Institute of National Importance, is situated on the western bank of the river Hooghly (Ganges) close to the iconic first cable stayed bridge in the country. The Department of Civil Engineering of the IEST Shibpur has been grooming young students to meet the engineering and technological needs of the civil society for more than 168 years,

GAABESU–Global Alumni Association of IEST, Shibpur – Alumni/ alumnae of IEST, Shibpur are very passionate about their alma mater. GAABESU is the registered society of alumni/ alumnae of IEST, Shibpur spread across the globe to do whatever they can with their collective efforts for development of their alma mater and to extend need based help, support and guidance to the students.

ADI Bhattacharyya Foundation, Vermont, USA – A family trust of an illustrious alumnus of B E College (IEST, Shibpur), Dr Arup Bhattacharyya, deeply concerned with the perils of non-action on the

adverse impacts of unsuitable living, dedicated to advocating relentlessly for time-driven actions to enhance health and productivity in all age groups, enhancing local economy, innovations and employment through effective and cooperative actions.

Conference Partners

Consulting Engineers Association of India (CEAI) – Eastern and North Eastern Region – CEAI is the Apex Engineering Consulting Association in India engaged in providing professional assistance to its members, who are working all over the country and abroad, as well as conducting need based training and professional up-gradation courses and other programmes. CEAI is the only member association of FIDIC (The International Federation of Consulting Engineers) in India.

JIS Institute of Advanced Studies and Research (JISIISR), Kolkata – An initiative of JIS group affiliated to JIS University. It offers research-based Post graduate and Doctoral programmes in areas like Health Science, Data Science, Inter-disciplinary Sciences. The Institute has strong academic and research collaborations with renowned institutions and autonomous bodies around the globe.

Participants

Students, Researchers, Academicians, Representatives of Public and Private Sectors organizations, NGOs, Professional Societies, Individuals in the fields of Sustainability are expected to participate in the Conference.

Registration – Registration Link: <https://forms.gle/jJ2QwMSpeH4rqkLw9>

All participants are to register online by clicking the link. Registration is free for students nominated by their Institution, nominated faculty members of IEST, Invited Speakers/Panelists, Guests, Members of the Steering Committee, nominated delegates of CEAI, JISIISR and other sponsoring organizations. Other participants including members of GAABESU shall have to pay registration fee of Rs.1000.00.

Venue and Conference Schedule

IEST, Shibpur (Alumni Seminar Hall) – 26 & 27 March 2025 [10:00AM-05:30PM (IST)]

Conference topics

The focus of the conference will be on time-driven actions for sustainability of living. Topics to be addressed would, inter alia, include innovations, test cases, integrated water resource management, safe drinking water, rain water harvesting, waste water treatment and reuse, zero discharge, water conservation, wetland preservation; reducing, reusing, recycling wastes including municipal wastes, legacy wastes, construction and demolition wastes; sustainability and reducing carbon emission in construction; energy conservation, renewable energy and related issues. Speakers, Panelists and other participants are expected to share insights of the progress and outline the way forward.

Collaboration and Support

We would greatly appreciate sponsorship and support from corporate/ government and non- government organizations, Institutions to achieve the objectives of the conference.

Payment

All payments may be made in favour of EGS SEMINAR A/C, A/c.No.1532010094805, Punjab National Bank, BESUS Br., IFS Code: PUNB0153220.

Steering Committee

Prof. VMSR Murthy, Director, IEST, Shibpur,
Dr Arun K Deb, Past President, GAABESU & Adjunct Faculty of the University of Pennsylvania, USA
Dr Arup Bhattacharyya, ADI Bhattacharyya Foundation, Vermont, USA,
Mr Amitabha Ghoshal, Founder President, GAABESU and Past President, CEAI,
Prof. Ajoy Kumar Ray, Director, JISIISR,
Dr Prabir Kr Neogi, GAABESU Member and Conference Supporter (Provat Chandra Neogi Memorial Endowment Fund),
Prof. Chaitali Ray, Professor and Head Civil Engineering Department, IEST, Shibpur,
Mr Amitabha Datta, President, GAABESU.

Organising Committee

Prof. Anirban Gupta, Professor Civil Engineering, IEST, Shibpur, Joint Convener
Prof. Sujata Biswas, Associate Professor Civil Engineering, IEST, Shibpur – Joint Conference Coordinator,
Prof. Chanchal Majumder, Associate Professor Civil Engineering, IEST, Shibpur - Joint Conference Coordinator,
Prof. Asok Adak, Associate Professor Civil Engineering, IEST, Shibpur,
Mr Barun Kumar Basak, Representative ADI Bhattacharyya Foundation,
Mr Sankari Prasun Bhattacharyya, Representative ADI Bhattacharyya Foundation,
Mr Anirban Datta, Representative, CEAI – Eastern and North Eastern Region,
Mr Chandrachudha Bhattacharyya, Representative, CEAI – Eastern and North Eastern Region,
Mr Syama Prasad Datta, Past President, GAABESU – Joint Convener, M-9830292214, Email: spdatta1@gmail.com.

Contact Address

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**CONFERENCE ON
SUSTAINABILITY CONCERNS IN WATER AND SANITATION,
CLEAN ENERGY AND CLEAN ENVIRONMENT
At ALUMNI SEMINAR HALL, IEST, SHIBPUR**

PROGRAMME – 1st DAY

Wednesday, 26th March 2025

09:00AM onwards	: REGISTRATION
INAUGURAL SESSION	: <u>Welcoming Remarks</u>
10:00AM – 11:15AM	Prof. Chaitali Ray , Head Civil Engineering, IEST, Shibpur Er Amitabha Datta , President, GAABESU Er Anirban Datta , Representative, CEAI-E&NE Region Dr Arup Bhattacharyya , Adi Bhattacharyya Foundation, USA : <u>Address by</u> Prof. Ajoy Kumar Ray , Director, JIS Institute of Advanced Studies & Research Dr Arun K Deb , Adjunct Faculty, University of Pennsylvania, USA : <u>Inaugural Address</u> Prof. VMSR Murthy , Director, IEST, Shibpur : <u>Keynote Address by the Chief Guest</u> Dr Kalyan Rudra , Chairman, West Bengal Pollution Control Board Water Management in India: Issues, Perspectives and Concerns : <u>Vote of Thanks</u> Dr. Chanchal Majumder , Civil Engineering Department, IEST, Shibpur
11:15AM – 11:45AM	: TEA
TECHNICAL SESSION 1	: Dr Manas Pratim Das , Programme Executive, Akashvani, Kolkata
11:45AM - 01:30PM	The Practical Philosophy of Sustainability : Mr Akshay Satnaliwala , Director, Eastern Organic Fertiliser Pvt. Ltd. Integrated Solid Waste Management and Circular Economy : Mr Jalaj Chaturvedi , President, BIO-CNG Xeon Waste Managers P Ltd. Bio-CNG from Municipal Waste : Dr V Ramachandra , President ICI Sustainability in Concrete Construction : Dr Arindam Datta , Senior Fellow, TERI Green Coal – to Reduce Air Pollution, Fossil Fuel Use and Refuse Management Er Gautam Ray , President (Corporate), RPSG Group Energy Transition – Way towards Sustainability
01:30PM – 02:30PM	: LUNCH
TECHNICAL SESSION 2	: Dr Ajay Pradhan , Past President, CEAI
02:30PM - 05:00PM	Delivering Sustainable Renewable and Clean Energy : Prof. Hiranmoy Saha , Distinguished Honorary Professor, IEST, Shibpur Clean Energy Transition for Sustainable Climate : Dr Bibek Bandyopadhyay , Former Director, Solar Energy Centre, Former Adviser, MNRE, GOI Our Energy Future- Resilience and Sustainability : Mr Dipankar Ray , ED (Retd), IOCL Bio-fuel for achievement of Sustainability Goal: Issues and Challenges : Dr Sugato Ghosh , Assistant Professor & Head Centre for Renewable and Sustainable Energy Studies, JIS Institute of Advanced Studies and Research EV to PV - Clean Energy and Green Environment: Prospects and Challenges : Prof. Pankaj Kumar Roy , Professor, School of Water Resources Engineering, JU Achieving the SDGs: Interdisciplinary Solutions for Water, Energy, and Environmental Sustainability : Smt Sreelata Krishnan , Director, School of Policy and Governance Sustainable Policy Frameworks for Clean Energy and Climate-Resilient Infrastructure
05:00 PM	: TEA

PROGRAMME – 2nd DAY

Thursday, 27th March 2025

09:30AM - 10:30AM	: REGISTRATION & TEA
TECHNICAL SESSION 3	: Prof. Siby John , Director, Ghani Khan Choudhury Institute of Engineering and Technology
10:30AM - 12:45PM	Demystifying Environmental and Sustainability Concerns
	: Prof. Arunabha Majumdar , Emeritus Professor, JU
	Sustainable Public Water Supply System: Issues and Challenges
	: Dr Manabendra Nath Roy , President, Sigma Foundation
	Water Security and Attaining Climate Resilience
	: Dr Asok Adak , Civil Engineering Department, IEST, Shibpur
	Role of Advanced Oxidation in Waste Water Treatment and Reuse
	: Dr Arumugam Kalimuthu , Executive Director, WASH Institute, Kodaikanal
	Faecal Sludge and Septage management – Importance, Challenges and Innovation
	: Smt Dhruba Dasgupta , Project Director, SCOPE
	Wetlands: A strategic Partner in Sustainable Urban Living.
	: Mr Anirban Chatterjee , Director (ESG), Protiviti India Member Pvt. Ltd.
	Industrial Effluent Reuse Making a Business
12:45PM - 02:15PM	: LUNCH
TECHNICAL SESSION 4	: Dr Sujata Biswas , Civil Engineering Department, IEST, Shibpur
02:15PM - 03:00PM	Integrated Watershed Management towards Sustainable Development
	: Er Somnath Mukherjee , Development Coordinator, Association of India's Development, USA
	Community-based Restoration of Degraded Ecology (watershed)
PANEL DISCUSSION	: Moderator – Prof. Anirban Gupta, Professor Civil Engineering, IEST, Shibpur
03:00PM - 04:00PM	: Panelist:-
	: Panelist:-
	Panelist:-
	Panelist:-
04:00 PM – 04:15 PM	: Address on 5I Bhattacharyya Foundation
	Dr Arup Bhattacharyya, Adi Bhattacharyya Foundation, USA
	: Closing Remarks and Vote of Thanks
04:15 PM	: TEA



QR Code For Registration

Registration Link: <https://forms.gle/jJ2QwMSpeH4rqkLw9>