

ICEESRE-2024

**INTERNATIONAL CONFERENCE**

ON

**EMERGING AND ENVIRONMENT
SUSTAINING RENEWABLE ENERGY****ICEESRE
2024****24-25 OCTOBER**

Theme:

**Access to Affordable, Reliable, and Modern
energy services for all****Organized by**

Department of

**Electrical and Electronics Engineering,
Assam Don Bosco University School of Technology***In collaboration with**Cheng Shiu University, Taiwan**National Quemoy University, Taiwan**National Chung Cheng University, Taiwan**Kun Shan University, Taiwan**Fu Jen Catholic University, Taiwan*

ICEESRE-2024

In Hybrid mode (Online & Offline)

About the Organizer

Assam Don Bosco University (ADB) was established under the Assam Private Universities Act 2007, in the state of Assam, India. The university is a project of the Salesians of Don Bosco (SDB) executed by the international Don Bosco Society. The university is located in Guwahati, Assam, India. ADBU is accredited by NAAC with grade 'A'.

The university is recognized by the University Grants Commission (UGC), India and accredited by the National Assessment and Accreditation Council (NAAC), India. The university is also approved by the Distance Education Council (DEC), India and the All India Council for Technical Education (AICTE), India. ADBU is a recognized member of the Association of Indian Universities (AIU), India, the Association of Commonwealth Universities, (ACU), UK and the International Association of Universities (IAU), France.

CONTACT US:

<https://conferences.dbuniversity.ac.in/iceesre2024>Email: iceesre2024@dbuniversity.ac.inMobile: +91-9101895064 / 9613590056 /
6001932835

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OBJECTIVES

The main objective of the conference is to discuss the prospect of renewable and sustainable energy for all and is expected to create a platform to discuss efficient, coherent and coordinated ways of developing new and renewable energy resources of the region and providing their access to all.

The specific objectives are:

- To promote and discuss the progress achieved in the global renewable energy sector by major regional and international institutions with respect to its scope, potential and achievements.
- To share strategic and operational ideas used by various energy actors around the globe for supporting the implementation of the Global energy agenda by the UN.
- To share updated knowledge and disseminate it among energy enthusiasts.
- To provide a platform to build strategic partnerships among participants and resource persons, particularly with the experts of the renewable, sustainable and modern energy sectors for the development, implementation and dissemination of knowledge.
- To build capacity in innovative knowledge and attain early understanding explicitly by the students towards a consensus on emerging key issues in the sector.

Energy access constitutes a core component of the sustainable development agenda for energy. Sustainable Development Goal 7 (SDG-7)- “Affordable and Clean Energy” among the 17 SDGs as set by the United Nations General Assembly in 2015, aims to correct the enormous imbalance by ensuring everyone has access to affordable, reliable, and modern energy services by the year 2030. ADBU, appointed by the International Association of Universities (IAU) as a global cluster lead for SDG 7- intends to lead the way in substantially increasing the share of renewable energy and looks forward to academic and research collaboration to facilitate access to clean energy technology and enhance energy efficiency.

Sub-Themes

Track 1 : Renewable Energy System Design

- Renewable Energy System Optimization
- Energy Management and Economics
- Social and environmental impacts of renewable & modern energy developments
- Solar Radiation and Greenhouse Effect
- Hybrid Renewable Energy System Modeling

Track 2 : Wind Power

- Wind variability
- Wind Turbine
- Wind Power Generator and Topologies
- Power variability and control

Track 3 : PV and Solar Thermal Electricity

- The Resource System and Design
- The Technology
- Photovoltaic systems
- Flexible power control and Strategies for fault detection and Diagnosis of PV system
- Solar thermal electric systems

Track 4 : Biomass

- The Resource System and Design
- Sustainable Energy Production
- Technical and Economic Assessment

Track 5 : Hydropower

- Assessment of the Resource
- Turbine
- Hydroelectric system
- Social and environmental aspects

Track 6 : Electrical Power Generation and Conditioning

- Smart Grid Integration
- Power Balance/Frequency Control
- The conversion of Renewable Energy into Electrical Form

Track 7 : Open Category

- Interdisciplinary Research and Technologies
- Any other allied topic related to the conference theme

CALL FOR PAPER

The organizers cordially invite original papers from all across the globe, on the themes of ICEESRE-2024, for oral/poster presentation in HYBRID MODE (ONLINE & OFFLINE). Selected papers from the presentation sessions will be published in indexed journals/books with ISSN/ISBN after peer-review.

REGISTRATION

To ensure publication of a paper in the Proceedings, at least one author has to register by submitting a normal registration fee within the deadline as indicated below. The normal registration fee covers publication charges and lunch. The over-length charges beyond 12 pages will be added to the Normal registration fees to calculate the actual registration fee that is to be paid by the author(s). The over-length charge is Rs. 800 (for Indian author(s)) or \$15 (for foreign author(s)) per extra page for a maximum of four additional pages.

- Visit the Conference Website for more details.

Registration Type	Indian Authors	International Authors
Author- Student/Research Scholar	INR 3000	USD 90
Author- Academician	INR 4000	USD 115
Author- Industry	INR 5000	USD 165
Listener/Accompanying Person	INR 1000	USD 65

There will be a 20% waiver on the above Registration fee for the Early-Bird Registrations.

IMPORTANT DATES

Full paper submission starts : 15 April 2024
Full paper submission deadline : 31 July 2024
Acceptance notification : by 31 August 2024
Early-bird Registration starts : 1 July 2024
Early-bird Registration Deadline : 15 Sept. 2024
Registration Deadline : 30 Sept. 2024
Conference Dates : 24 & 25 October 2024