
International Symposium on Energy Technology (ISET 2022)

focusing: **Renewable Resources & Technology Practice**

22 March, 2022

Organized by

Institute of Energy and Environmental Studies (IEES)
Rajshahi University of Engineering & Technology (RUET)
Rajshahi-6204, Bangladesh.

Venue

Auditorium, RUET Campus, Rajshahi-6204, Bangladesh.

Objectives of the Symposium

To provide a platform for an effective day-long knowledge sharing discussion in the field of renewable energy sources and technology practice for making contribution in the national and global development, economic growth and social prosperity.

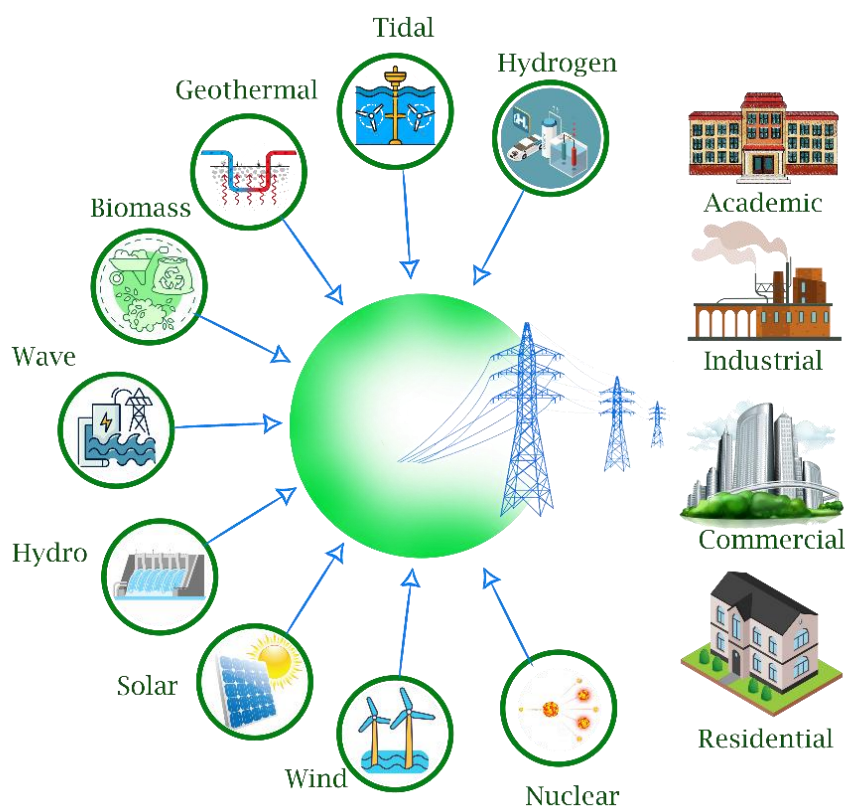
Introduction

The energy crisis along with environmental degradation are major problems that humankind is facing today. These problems owe their origin to a growing population, rapid industrialization and urbanization. Due to increase in electric energy consumption and inability to meet this escalated demand, the fossil fuel price is rapidly increasing. To alleviate part of our energy crisis and environmental degradation, it has become imperative to make use of appropriate technologies for the possible recovery of resources from renewables: solar, wind, biomass and MSW, hydropower including ocean tide and wave, geothermal and fuel cell. Besides, new sources of power generation are needed to meet skyrocketing world energy demand. The main goal of sustainable energy systems is to provide clean, affordable, accessible energy with benevolent environmental impact. Development of reliable energy systems without toxic byproducts to preserve the environment while powering the present and the future is urgently needed. However, special dealings among the technologists, industrialists, practitioners and policymakers are crucial for efficient, effective and reliable present and future technologies for the recovery of energy from renewable sources.

Addressing the above issues, IEES of RUET is delighted to organize an International Symposium on Energy Technology (ISET 2022) focusing “Renewable Energy Resources and Technology Practice” on 22 March, 2022. The objective of the international symposium is to share the advanced knowledge on renewable energy technologies and sustainable resources with the aim to promote the adaptation of energy supply and energy efficiency measures in academic, industrial, residential, and commercial sectors. It will bring great opportunities for academicians, researchers, industrial communities and commercial planners to share their knowledge and experiences, which will promote intellectual and practical developments in the area of renewable energy sources and technology practice.

Scope

The day-long symposium will comprise of invited plenary lectures from over the world on technologies practicing in the renewable energy sources as well as could be covered the interest of the participants from the organizations/sectors shown in symposium portrait below:



Important Date

Registration & advance hotel booking before 16 March, 2022

Mode of Participation

The interested person will have the opportunity to participate in the international symposium using both online and/or offline facilities. All the preventive measures for COVID-19 to the offline participants will be provided by the organizer during the symposium events.

Registration fees and procedure

An interested people to participate in the international symposium are requested to complete a registration form that is available in institute website <https://www.iees.ruet.ac.bd/> The registration fee for each participant is BDT 2000.00 that should be paid no later than 16 March 2022. Only the registered offline participants will be provided symposium kit, proceedings, refreshment, lunch, dinner and tea during the lecture sessions.

Chief Patron

Prof. Dr. Md. Rafiqul Islam Sheikh, VC, RUET

Symposium Organizing Committee

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Experience Sharing Lecture and Discussion Sessions

Fifteen delegates have been invited from Australia, Bangladesh, China, India, Japan, UK and USA to provide exciting lectures on renewable energy technologies.

Application of Renewable Energy in Fresh Water Production

Prof. Muhammad Mustafizur Rahman

Wichita State University, USA

Global Wind Power Generation Trend and Bangladesh

Prof. Md. Firoyz Alam

RMIT University, Australia

Renewable Energy for Present and Future Power Grids

Prof. Kashem M. Muttaqi

University of Wollongong, Australia

Grid Interaction of Renewable Sources

Dr. Md. Rabiul Islam

University of Wollongong, Australia

Issues in Wind Energy Research

Prof. Himadri Chattopadhyay

Jadavpur University, India

Prof. Santanu Bandyopadhyay

IIT Bombay, India

Role of Computational Modeling in Biomass Valorization

Dr. Himanshu Goyal

IIT Madras, India

Wave Energy Prospect of Scotland, India and Bangladesh

Prof. Mamdud Hossain

Robert Gordon University, Scotland, UK

Second Law of Thermodynamics and Supercritical Boiler

Prof. Yingai Jin

Jilin University, China

Issues and Challenges of Large-Scale Solar PV Integration

Dr. Moktadir Rahman

Senior Power System Engineer, Ingeteam Energy, Australia

Harnessing Electrical Energy from Renewable Sources

Prof. Dr. Abdul Goffar Khan

Rajshahi University of Engineering & Technology, Bangladesh

Renewable Energy Sources "Global Transit"

Prof. Dr. S. Prakash

Bharath Institute of Science and Technology, India

Sustainable Transportation Through Decarbonization: Prospects and Challenges

Prof. Dr. Nirendra Nath Mustafi

Rajshahi University of Engineering & Technology, Bangladesh

Renewable Energy Resources and Technology Practice in Bangladesh

Prof. Dr. Mohammad Rofiqul Islam

Rajshahi University of Engineering & Technology, Bangladesh

QUIZ Competition Sessions

Two QUIZ competitions one for faculty members and, other for PG and UG final year students will be arranged during the symposium event. A total of TK. 45,000.00 as award money will be distributed among 5 faculty members and 10 student winners in closing session of the symposium.

Symposium Secretariat

All correspondence should be addressed to:

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Organizing Chair, ISET 2022

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