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# IEMRE



# International Conference on Innovations in Energy Management and Renewable Resources (Virtual mode)

## IEMRE 2021

5th, 6th & 7th February, 2021

Organised by

## Institute of Engineering & Management Kolkata

*Accepted and presented papers only be published  
in IEMRE 2021 proceedings and will be submitted  
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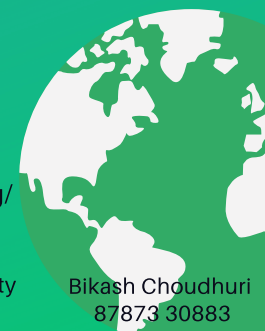
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## Important Dates

Paper submission starts	14th September
Submission deadline	10th January
Acceptance notification	15th January
Early bird registration starts	16-18th January
Late registration	19-21st January

## About the Conference

International Conference on Innovation in Energy Management and Renewable Resources (IEMRE 2021). will be held at Institute of Engineering & Management, Kolkata, on 5th-7th February, 2021. The International Conference is organised in collaboration with SOLAR ENERGY SOCIETY OF INDIA.

IEMRE 2021 aims to provide a platform for researcher to get an idea about the cutting-edge technology in the field of Renewable Energy and Energy Management. Energy management has the most demanding prospect now a days throughout the Globe, IEMRE 2021 will be an excellent platform to collaborate and showcase high-end research and expose to interact with the renowned speaker throughout the World with the latest emerging technologies in the fields of Renewable Energy and Energy Management and their applications (Energy storage, Smart Grid, Electricity Market, Application of Big Data Analysis, Artificial Intelligence in energy management optimization).

✓ Accepted and presented papers only be published in IEMRE 2021 proceedings and will be submitted for inclusion to IEEE Xplore

## About the IEM College

Institute of Engineering & Management was established as the first self-financed engineering college in the state of West Bengal at Kolkata in 1989. Since the Institute has been socially accredited as the best self-financed engineering institute of West Bengal and admits top ranking students. The Institute achieved Grade A by National Assessment and Accreditation Council (NAAC). The institute runs full time four year B.Tech course in Computer Science Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Electrical Engineering, Information Technology and Mechanical Engineering. The institute also runs full time (2 years) M.Tech courses in CSE, ECE and IT. Not only engineering courses the Institute has Under Graduate and Post Graduate degree in Management.

## Tracks

**Solar photovoltaic and Solar Thermal:** Solar Thermal Power Generation, Solar Power Applications, Materials for Solar Cells, Fabrication Techniques of Solar Cells, Testing of Solar Cells, Tracking Algorithms of Solar Modules, Thermo – Photovoltaic System, Grid Integration of Solar Energy

**Wind & Hydro Energy System:** Estimation of Wind Energy, Design of Different Types of Wind Turbines, Small Hydro Energy Systems, Wind and Hydro Power Integration in Grid

**Biomass Based Energy Systems:** Biofuels- Synthesis and Utilization, Processing of Different Types of Biomass, Hybrid Systems, Design of Different Types of Gasifiers, Life Cycle Assessment of Biofuels

**Other Renewable Resources:** Tidal Energy, Wave Energy, Geothermal Energy, Optimization of Renewable Energy Systems

**Energy Storage & Management:** Energy Storage and Technologies, Electrical Energy Storage, Different Types of Battery Technologies, Energy Storage Trends and Opportunities, Strategic Analysis of Energy Storage, Energy Management System, Cost Benefit Analysis of Renewable Energy Systems

**Smart Grid Technologies:** Design of Smart Grid, Modeling of Grid Environments, Demand Side Management, Demand Response, Smart Distribution System, Distributed Generation, Grid Integration

**Energy and Environment Policy:** Deregulated power market, Green House Emission from Energy Sources, Renewable Energy Impact on Climate Change, Impact of renewable energy systems in national and international economy, Global trends in Renewable Energy Commercialization, Formulation of Different Policies for Promotion of Renewable Energy.

## Keynote Speakers



### Prof. (Dr.) Debapriya Das

Professor, Electrical Engineering  
Indian Institute of Technology, Kharagpur



### Prof. (Dr.) Biswajit Ghosh

Vice Chancellor of The Neotia University, Kolkata  
Former Director School of Energy Studies, Jadavpur University, Kolkata



### Prof. (Dr.) Yanxia Sun

Professor, Department of Electrical and Electronic Engineering Science  
University of Johannesburg



### Prof. (Dr.) Christopher Niezrecki

Professor and Chair, Department of Mechanical Engineering  
Director, WindSTAR I/UCRC and Center for Wind Energy  
Co-Director, Structural Dynamics & Acoustic Systems Laboratory  
University of Massachusetts Lowell



### Prof. (Dr.) Frede Blaabjerg

Villum Investigator, Professor  
Aalborg University  
Denmark



### Prof. (Dr.) Arnab Sarkar

Department of Mechanical Engineering  
Indian Institute of Technology (BHU)  
Varanasi



### Fausto Pedro García Márquez

Full Professor at Castilla-La Mancha University, Spain  
Lecturer at the Postgraduate European Institute  
Honorary Senior Research Fellow at Birmingham University, UK



### Prof. (Dr.) Catalina Spataru

Professor of Global Energy and Resources  
Head and Director of Islands Laboratory  
BSEER Equality, Diversity and Inclusion Lead

## Registration Fees

CATEGORIES	TYPE	NATIONAL	INTERNATIONAL	NATIONAL IEEE MEMBER	IEEE INTERNATIONAL
ACADEMICIANS	Early Bird Registration	INR 5500	250 \$	INR 5000	200 \$
STUDENTS	Early Bird Registration	INR 3500	200 \$	INR 3000	150 \$
ACADEMICIANS	Last Registration	INR 6500	300 \$	INR 6000	250 \$
STUDENTS	Last Registration	INR 4000	230 \$	INR 3500	200 \$

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