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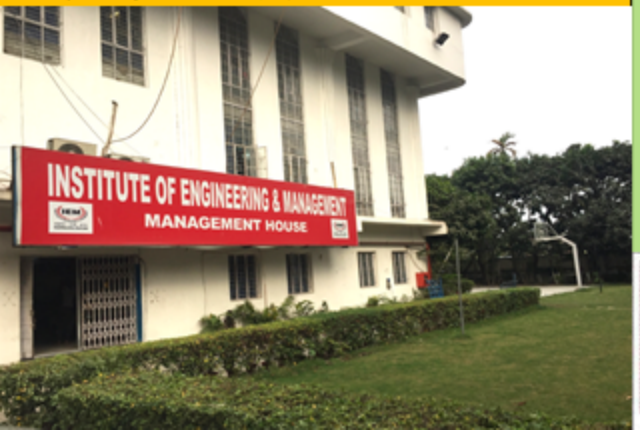

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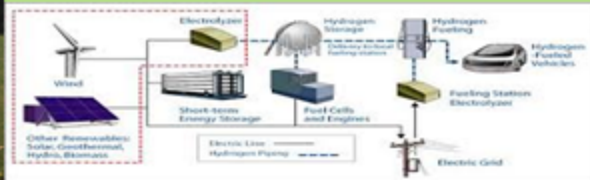

International Students' Congress

on

Recent Innovations in Energy Management and Renewable Energy

14th -15th September, 2019

IEM Renewable Energy - 2019

Jointly Organized by

Institute of Engineering & Management, Kolkata

&

Solar Energy Society of India

All accepted and presented papers will be published in a special edition of journal of Solar Energy Society of India with ISBN number.

Address for Correspondence

Convener

IEM Renewable Energy -2019

Institute of Engineering & Management (Management House), Kolkata 700091

West Bengal, India

M:82408 43889/9038707191/94774 17570

Email: iemre2019@iemcal.com

Welcome to IEM Renewable Energy-2019

About the Conference

The First International Students' Congress on Recent Innovations in Energy Management and Renewable Energy (IEMRE-2019) is aimed to inculcate the culture of Research and Development in the field of Renewable Energy among the student communities. It gathers students, researchers, engineers, and decision makers, manufacturers together to discuss the environmental problems caused mainly by energy usages, conversion and proposals on their solutions. It promises to be a great platform to share the research and development activities by the students as well as the industries that lead renewable energy as the major resource of electrical energy to ensure greener environment.

The said Congress will feature technical paper and poster presentations, keynote addresses and invited talk by the eminent Academicians and Industry experts, followed by industrial expo exhibition at IEM (Management House) Salt Lake Sector-V campus with their latest renewable energy developments and solutions.

We invite all colleagues, researchers, academicians, government delegates, undergraduate and postgraduate students, environmental volunteers, project leaders and NGO members around the world to submit their original research articles and review articles to this leading international congress.

Aims

Energy is the backbone of the development of the human civilization. But till date the global energy needs are met up by the fossil fuels. The fossil fuels have the demerits of green house gas emissions and the depleting reserves. So, harnessing energy from fossil fuels and its use is not a sustainable solution. So, now generation of energy from renewable sources of energy is very important as its non polluting and everlasting. But for the implementation of these , lots of technologies need to be developed . Moreover, the implementation of the renewable energy systems in the rural areas needs to address some technological and socio-economic problems. This congress aims at bringing the researchers, scientists and the policy makers in one platform to exchange ideas and for the successful implementation of the renewable energy systems. The students will get the idea about the future emerging technologies in the field of renewable energy. This congress will also help the students to directly interact with the industries and know about the cutting edge technologies in the field of renewable energy. Moreover, experts from the various industries, MNRE, IREDA, WBREDA and other reputed institutes will come and students can have direct interaction with them using this platform. The participants will also get a grand exposure with the giant personalities in the field of renewable energy using this platform.

About the IEM College

IEM is established in Kolkata in the IT hub of the state of West Bengal since 1989 as the first self-financed engineering college of the state, and since then IEM has been socially accredited as the best self-financed engineering institute of West Bengal and admits the best students from the top engineering merit list of WBJEE and JEE Main. IEM is NAAC A Grade Institute and also ranked 5th engineering college in West Bengal by NIRF (National Institutional Ranking Framework), Ministry of HRD, Govt. of India. The institute runs full time four year B.Tech course in Electrical Engineering, Electrical and Electronics Engineering,, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Information Technology. The institute also runs full time M.Tech course in CSE, ECE and IT. The institute is very connected by air, rail and road network from all parts of India. Netaji Subhas Chandra Bose International Airport is only about 45 mins drive from IEM. The college is also well connected by road from Sealdah, Howrah and Kolkata stations.

Important Dates

Full Length Paper Submission	31st July, 2019
Paper Acceptance	15th August, 2019
Camera Ready Paper Submission	1st September, 2019

Registration Fees

Categories	National		International	
	SESI Member	Non SESI Member	SESI Member	Non SESI Member
Students	600 INR	1000	50 USD	300 USD
Research Scholars	700 INR	1000 INR	100 USD	150 USD
Industry	2000 INR	4000	300 USD	500 USD
Industry Expo	4000 INR	6000 INR		

The electronic mode of payment can be done using the following link:

http://iem.edu.in/energy-management-renewable-energy/

The copy of fee receipt should be emailed at iemre2019@iemcal.com.

Solar Energy Society of India (SESI)

The Solar Energy of India (SESI), established in 1978, having its Secretariat in New Delhi, is the Indian Section of the International Solar Energy Society (ISES). Its interests cover all aspects of renewable energy, including characteristics, effects and methods of use, and it provides a common ground to all those concerned with the nature and utilization of this renewable non-polluting resource. The Society is interdisciplinary in nature, with most of the leading energy researchers and manufacturers of renewable energy systems and devices of the country as its members.

Some of the major activities of the Society are publication of SESI Journal twice in a year, organization of the International Congress on Renewable Energy once in a year.\

Solar Energy Society of India provides a platform for the students, researchers, engineers and policy makers to exchange their ideas . The society organizes regular events to promote the use of solar energy. The objective of the events organized by the SESI is to provide a rich platform to all the stakeholders of renewable energy to exchange ideas in order to promote the cause of not only solar but all forms of renewable energy.

Tracks

International Students' Congress on Recent Innovations in Energy Management and Renewable Energy (IEMRE) includes, but is not limited to the following major topics as;

Solar Photovoltaics: Materials for solar cells, fabrication techniques of solar cells, testing of solar cells, tracking algorithms of solar modules, thermo-photovoltaics, Buiding integrated photovoltaics

Solar Thermal: Design and analysis of solar thermal systems, Design of different types of collectors, Solar thermal power generation.

Wind Energy: Design of different types of wind turbines, injecting wind power in the grid

Bio-Energy: 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 systems: Tidal Energy, Geothermal Energy

Grid Integration: Different techniques of integration renewable energy systems

Energy Storage: Different types of battery technologies, Thermal storage, Other forms of storage

Energy management: Different strategies for energy management, Energy efficiency in thermal and electrical utilities, efficiency improvement by hybridization.

Smart grid: Design of smart grids, load dispatch problems in smart grids,

Energy policy: Formulation of different policies for promotion of renewable energy, Cost benefit analysis of renewable energy systems, Impact of renewable energy systems in national and international economy.

Energy and Environment: Green house emission potential of fossil fuel based systems, Life cycle assessment of renewable energy systems