



The Institution of Engineers, Malaysia

IEM



ORGANISED BY:
ENGINEERING EDUCATION TECHNICAL DIVISION, IEM

WEBINAR TALK ON SUSTAINABILITY AND SOLAR ENERGY STORAGE



Date : 20 Decemer 2024 (Friday)

Time : 3.00pm - 5.00pm

BEM APPROVED CPD: 2

REF NO: IEM24/HQ/535/T (w)

SPEAKER: Dr. Ravi Kumar Sharma

SYNOPSIS

Achieving sustainability is a path to net-zero emission and make the world a better place to live. To do so, renewable energy plays a vital role. One needs to develop more and new renewable energy technologies along with the storage of excess energy available and this makes the environment sustainable. Storage of energy for sustainability has numerous advantages such as reducing grid dependence, reduced cost, and optimizing the resources. As a renewable source of power, solar energy has an important role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. This talk will focus on the systems and technologies for harvesting solar energy for future use, its advantages and disadvantages. This will also give a future perspective for sustainability.

SPEAKER'S PROFILE

Dr. Ravi Kumar Sharma has been working as a Professor in the Department of Mechanical Engineering at Manipal University Jaipur, India. He earned his Ph.D. in Thermal Engineering from the University of Malaya, Malaysia, and has worked in various reputed Indian and foreign universities. He has published more than 80 research articles in international journals of repute and presented his research work in many international conferences in India and abroad. He has also written 7 book chapters, edited four books, and reviewed many international journals. He has also delivered numerous invited/keynote speeches in FDP/STTP/Workshops and conferences. His current area of research is renewable energy and thermal energy storage, in particular solar energy and comes under top 2% scientist list released by the Stanford University, USA. His primary research is focused on the development of phase change materials or rapid heat transfer by enhancing their thermal conductivity along with their utilization.

REGISTRATION FEE :

IEM STUDENT : FOC

IEM MEMBERS: RM15

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