

June 22, 2021

Press Release

**Artificial Intelligence and Internet of Things will add new dimension in Power Electronics and Renewable Energy Research: VC JMI Prof. Najma Akhtar**

Jamia Millia Islamia (JMI) Vice-Chancellor Prof. Najma Akhtar has emphasized that use of Advance Technologies like Artificial Intelligence, Internet of Things will add new dimension in the Research of Power Electronics and Renewable Energy. Inaugurating an International Panel discussion on "Solar PV and Its Future Challenges", Prof. Akhtar mentioned that climate change threats and green house gas issue needs to be solved globally and academic researchers are playing very important role in achieving it. She also welcomed the National and International eminent researchers, who were participating as panelist.

Prof. Akhtar also informed that JMI campus has installed 2.25 MW Solar PV based plant and mentioned that Government of India (GoI) schemes like PM-KUSUM for farmers should be utilized for solar energy resource.

The Vice Chancellor, as the Chief Guest congratulated Dr. Ahteshamul Haque- Convener of the event and Prof. Munna Khan, Head, Department of Electrical Engineering for organizing this event.

Starting the event, Dr. Ahteshamul Haque, Assistant Professor Department of Electrical Engineering, JMI, Senior Member IEEE, Faculty Advisor of IEEE Power Electronics Society JMI Student chapter, Treasurer IEEE PELS Society Delhi Chapter and convener of the event, introduced the panelist of the event. Dr. Haque informed the participants that the Vice-Chancellor has taken several steps due to which University is growing in all facets of academic and research.

Prof. Frede Blaabjerg, Fellow IEEE, President IEEE Power Electronics Society, Professor at Aalborg University, Denmark, was the chair of panel. Prof. Frede is the recipient of EAWE Scientific Award, given by European Academy of Wind Energy 2021, for his pioneering research in power electronics for wind energy.

Prof. Bhim Singh, Fellow IEEE and Professor at IIT Delhi was among the panel members. Prof. Singh is the receipt of IEEE-IAS outstanding educator/mentor award 2020. The other panelist were Prof. Rajesh Kumar, Fellow IET-UK, from MNIT Jaipur, Prof.

Huai Wang from Aalborg University Denmark, Prof. Yongheng Yang from Zhejiang University, China.

Prof. Sukumar Mishra, Chair- IEEE PELS Delhi Chapter, Professor IIT Delhi, and Prof. Prerna Gaur- Chair IEEE Delhi Section and Professor at DTU, welcomed the Panelist, participants and guest and appreciated Dr. Haque for organizing the event on very important topic.

Prof. Munna Khan- Fellow AsMA USA, Fellows of ISAM, IE, IETE India, Senior Member IEEE, Head, Department of Electrical Engineering briefed about the research profile of the department. He thanked the Vice-Chancellor for her continuous support and guidance to the department.

The panelist discussed several points of concern related to Solar PV and its future Challenges. The point wise discussion was based on Indian Scenario and on World scenario. Few of them were to make it economical, easy access to all, use of advance technologies to monitor like AI, IoT, Computational intelligence etc. The panelist were of the view that this sector will have highest growth in coming decades and has opportunities for researchers to solve challenges like reliability, degradation, cost effective maintenance, optimized placements of distributed PV plants etc. The panelist also identified the areas in which the research funding is needed.

Dr. Ashu Verma- Secretary IEEE PELS Delhi Chapter and Professor of IIT Delhi, delivered vote of thanks.

The event was jointly organized by IEEE –Power Electronics Society Delhi Chapter, IEEE Power Electronics Society Student Chapter- JMI, Department of Electrical Engineering- JMI on IEEE Power Electronics Day i.e. 20 June 2021.

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