the School of Computing and Engineering at the University of Huddersfield presented a lecture “Transient Energy Sources to Support Renewable Energy Conversion Systems.” The event was attended by 35 individuals, including students, and industry and academia representatives.

On 23 November, Dr. Maryam Saeedifard from the Georgia Institute of Technology presented a lecture about high-power energy conversion (Figure 1). Her talk, “Recent Advances in Medium/High-Power Energy Conversion Systems,” gave an overview of the modular multilevel converter high-voltage direct current systems and current research challenges that need to be addressed. She also discussed other emerging application spaces of the modular multilevel converters along with their technical challenges and issues. The 25 event attendees included students and members of academia.

by Santosh Kumar

Joint IEEE PES/IAS/PELS Hyderabad Chapter Holds 27th Faraday Memorial Lecture

The Joint IEEE Power & Energy Society (PES)/Industry Applications Society (IAS)/Power Electronics Society (PELS) Chapter of the Hyderabad Section in India organized the 27th Faraday Memorial Lecture on 10 November 2017 at the Nano and Micro Devices Center. The lecture “The Future of Power Systems” was presented by Vahid Madani, IEEE Fellow, PES Distinguished Lecturer, and principal executive engineer and technology leader for advanced battery technology calls for the best protection there is Perfect solutions for your energy storage units – SIBA fuses in battery installations

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The energy industry is experiencing significant changes due to rapid technology transformation, security risks, environmental concerns and climate variations, evolving consumer needs, and regulatory requirements. Modern society has reached a point where virtually every crucial economic and social function depends on the secure, reliable operation of power and energy infrastructures. The initiatives undertaken from information technology infrastructure assessments, and from the development of new industry standards to conformance and compliance, affect the way in which the grid is to be operated and maintained in the future.

The lecture focused on business models and supply chain realities within the scope of utility technology transformation, strategies and operational aspects of managing grid systems and equipment assets, to building a more resilient and efficient grid to enhance power systems organically and digitally. The lively, interactive lecture was attended by 45 participants made up of senior professionals and consultants.

The Joint IEEE Industry Applications Society (IAS)/IEEE Power Electronics Society (PELS) Student Branch Chapter (SBC) at the National University of Singapore (NUS) hosted IAS Distinguished Lecturer Prof. Mohammad Rezwan Khan on 8 November 2017. A Plexim GmbH representative was also invited to conduct a workshop that provided hands-on training for attendees who were introduced to a new power electronics simulation platform. Additionally, research-sharing sessions were also held, providing an interactive platform for researchers to share their ongoing work.

**Distinguished Lecturer Prof. Khan**

Prof. Khan is a Senior Member of the IEEE and the vice chancellor of the United International University (UIU), Dhaka, Bangladesh. His lectures, “Solar PV (Photovoltaic)-Based Stand-Alone Grid Systems for Developing Countries: Advantages of dc Systems” and “The Future of Power Systems: A Comparison Between dc and ac,” shed light on the recent progress within the area of solar PV home systems.

During his presentation, Prof. Khan gave a description of a small-sized, PV-based stand-alone system, its main components, and its mode of operation with specific reference to a developing country such as Bangladesh. Prof. Khan also presented a few details about ongoing research projects at UIU, specifically, the diversification of solar PV applications. Innovative applications, e.g., solar mini cold storage, a solar e-cooker, and a solar ferry boat, developed by Prof. Khan and his team.

by Sandeep Kolluri

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**Joint IEEE IAS/PELS NUS SBC Hosts DL and Presents PLECS Workshop and Research-Sharing Sessions**

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