For most people the word “energy” conjures images of oil and gas operations, but the science of electric power and energy systems is gaining momentum as advances in hybrid-electric cars and alternative energy systems have renewed interest in the possibilities of power electronics.

National Academy of Engineering member Ned Mohan, a world-renowned expert in power electronics, delivered a distinguished Rockwell Lecture at the UH Cullen College of Engineering in September on the latest advances in power electronics and systems research and how to develop curricula for teaching sustainable electricity supply.

Mohan, Oscar A. Schott Professor of Power Electronic Systems and Morse-Alumni Distinguished Professor at the University of Minnesota, has written five textbooks that, all together, have been translated into eight languages.

Mohan received the H.T. Morse Distinguished Teaching Award for undergraduate education from the University of Minnesota in 2007. He has received 2008 IEEE-PES Outstanding Educator Award, 2010 IEEE Undergraduate Teaching Award, 2010 UWIG Achievement Award from Utility Wind Integration Group, 2011 Distinguished Alumnus Award from IIT-Kharagpur (India) and 2012 IEEE Power & Energy Society Ramakumar Family Renewable Energy Excellence Award. In 2013 he received the Innovative Program Award from the ECE Department Heads Association made up of over 250 U.S. universities. In 2014 he received the Distinguished...
Graduate Teaching Award from the University of Minnesota and the IEEE Nari Hingorani FACTS Award from the IEEE Power & Energy Society.

Click here to view photos from Mohan’s talk

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