IIT, Argonne, and the Korean Power Exchange Work Toward Electric Power System Reliability

Electricity is now traded in commodity markets, and these new markets affect the way the electric power grid is controlled and operated. Electrical engineers across the globe need to understand both the technical and the business sides of these changes in order to address the needs of the electric power industry.

Under the aegis of ECE department chair Mohammad Shahidehpour, an agreement was signed in March 2007, joining IIT with Argonne National Laboratory (ANL) and the Korean Power Exchange (KPX) in a visionary partnership, whereby members of KPX's technical staff will enroll in the Master of Electricity Markets program in the ECE Department at IIT, while conducting applied research at Argonne. Working together to advance the education of electric power engineers in the U.S. and other countries will build the knowledge and stability of a worldwide community and its electric power system sustainability.

The Korean Power Exchange was founded in April 2001 as a core organization of the newly introduced electricity market following the Korean government's electricity industry restructuring plan. With responsibility for electricity market and system operation in Korea, KPX operates Asia's largest competitive electricity market and the second largest power grid in the region.

The nation's first national laboratory, ANL conducts basic and applied scientific research across a wide spectrum of disciplines, ranging from high-energy physics to climatology and biotechnology. Since 1990, ANL has worked with more than 600 companies and numerous federal agencies and other organizations to help advance America's scientific leadership and prepare the nation for the future.

ANL has worked with Korean energy institutions for more than 25 years, and has frequently collaborated with IIT, employing graduate students to work with ANL researchers on power systems analysis.

FOR MORE INFORMATION...

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