



Power Systems Engineering Research Center

Incenting Transmission Reliability and Adequacy Related Investments (PSERC Project M-11)

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**Project Tele-Seminar for PSERC Industry and University Members Only.
Register to participate, even by webcast!**

September 16, 2008

2:00-3:00 p.m. Eastern Time (11:00-12:00 p.m. Pacific)

Description

This tele-seminar presents results from PSERC project M-11, "Incenting Transmission Reliability and Adequacy Related Investments."

Adequate transmission capacity enhances reliability, lowers energy cost as delivered, limits market power of market participants, and provides flexibility to protect against market uncertainties such as load fluctuation, fuel price volatility, and unexpected facility outages. Incentives for attracting investments in transmission assets are essential to the overall success of the restructuring of the electric power industry. We will present research outcomes related to the evaluation of market-based schemes for compensating transmission investments from the following perspectives: i) Power system simulation approach for evaluating transmission reliability and adequacy related investments, ii) Econometric modeling of the price of financial transmission rights, iii) Forward price risk premium and implications for transmission investments, iv) Nonparametric modeling of the Hub-and-Spoke Representation of a Network, v) Inherent inefficiency of FTR auctions

Biography

Shi-Jie Deng is an Associate Professor in H. Milton Stewart School of Industrial and Systems Engineering at the Georgia Institute of Technology. He holds a Ph.D. in Industrial Engineering and Operations Research from the University of California at Berkeley. Dr. Deng actively researches and teaches in financial modeling in energy markets, electricity transmission pricing, financial asset pricing and real options valuation, and the procurement and contract theory in supply chains. He is the director of the Master of Science Program in Quantitative & Computational Finance at Georgia Tech. He received the CAREER Award from the National Science Foundation in 2002. Dr. Deng has consulted with several private and public companies on issues of energy derivative pricing, structured transactions, and risk management in the deregulated electricity industry.

Speaker Contact Information

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Participation by Webcast (**Media-site login is required for this project tele-seminar**): You can participate in this PSERC project tele-seminar via webcast, but you must register (see below) to get the login information. The webcast will include the audio and the slides so you will not have to download the slides in advance. If you want to ask questions, you should register for phone participation instead so that you will have the information to call in when the Q&A begins.

Participation by Phone: Live audio will be provided via a teleconference phone bridge. After registering, you will be sent connection information for the conference phone bridge. You will need to follow along with the presentation slides. The presentation slides will be emailed to you on Sep. 16; the slides will not be available on the website.

Registration for Phone and Webcast Participation: To indicate that your organization would like to participate, send an email to Theresa.Herr@asu.edu with the subject "Deng Seminar". Connection information will be sent before the seminar. There is no charge for participating!

Professional Development Hour Certification: PDH certification is available for PSERC members (only). Send an email requesting PDH certification to Theresa.Herr@asu.edu with the subject "PDH" after the seminar. *Include the name and title of each participant.*

Seminar Logistics and Assistance

Connection information will be emailed to you after you submit your request. If you have any questions, please contact Theresa Herr, PSERC's administrative assistant, at 480-965-1643 or Theresa.Herr@asu.edu. You can also contact Dennis Ray, PSERC Executive Director, at 608-265-3808 or djray@engr.wisc.edu.