IEEE Power & Energy Society
Winnipeg Section
PRESENTS…A LUNCHEON MEETING

TOPIC:	**Exploiting the Functionalities of Commercial Softwares in Power System Planning**
PRESENTER:	**Dange Huang**
TIME AND DATE:	**12:00 Noon, Tuesday, February 26, 2013**
LOCATION:	**Holiday Inn South, 1330 Pembina Highway, Winnipeg**

◊ Cash bar available at Noon.
◊ Lunch served at 12:15 PM.
◊ Meeting concluded at 1.30 PM.
◊ Cost of the meal (payable at the door).

Early registration(*On or Before 22nd Feb.*)
IEEE Members - **$16.00**
Non-Members - **$20.00**

Late registration (*After 22nd Feb.*)
IEEE Members - **$18.00**
Non-Members - **$22.00**

The IEEE PES Winnipeg Chapter must guarantee a minimum attendance to the hotel, so please take a moment to register early by RSVP to **Kang Liu** by **Friday Noon, 22nd February 2013**, in one of the following ways:

Phone: 204-360-4863
Email: **kliu@hydro.mb.ca**

Abstract: Commercial softwares for example PSS/E, Powertech DSA Tools and GE-MARS are very powerful programs and are widely used in various studies such as power system load flow analysis, transient stability simulation and resource adequacy assessment. Most of these studies involve case development, data modification, parameter monitoring and controlling, computer simulation, result screening and analysis. The conventional study process is normally very time consuming and prone to various errors mainly due to the number of cases that need to be examined and the amount of the data that need to be processed particularly when the study system is large and complicated. The automation of the study process is, therefore, necessary in order to improve work efficiency and reduce potential errors. A number of initiatives have been taken over the years at the System Planning Department of Manitoba Hydro to facilitate the study process and improve study quality. This presentation provides with an overview of some of the improvements made in planning studies with Manitoba Hydro. Examples are also provided to illustrate the process automation and the enhancement of different functionalities of various commercially available programs such as PSS/E, VSAT and MARS under Python platform.

Biography: Dange Huang received her PhD degree in Electrical Engineering from the University of Saskatchewan in 2010. Her research area was in composite generation and transmission system reliability evaluation. She joined Manitoba Hydro in 2011. Currently she is working as a planning engineer with the System Planning Department. Her work mainly involves resource planning, transmission planning and Manitoba Hydro Open Access Tariff related studies using both deterministic and probabilistic methodologies.

Re: IEEE PES Luncheon Meeting at 12:00 Noon on Tuesday, February 26, 2013

Name: _____ Any Diet Restrictions: _____

Company: _____

Telephone no.: _____ Number in party: _____

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