

IEEE Sweden PE/PEL Chapter meeting and seminar on Concept of a wider area defence system for the power grid

Date: Thursday, September 3, 2009

Time: 15-16 (guest lecture)+ 16-17 (discussion about IEEE)

Place: Chalmers University of Technology, Division of Electric Power Engineering, Hörsalsvägen 11, Göteborg.

Agenda:

- Welcome
Prof. Lina Bertling, Head of the division
- Guest lecture ON CONCEPT OF A WIDE AREA DEFENCE SYSTEM FOR THE POWER GRID.
Prof. Chen-Chin Liu University College Dublin.

The purpose of a defence system is to help a power grid avoid a cascading sequence of events. Traditional N-1 security criterion does not assure that the system can withstand cascading outages. A wide area protection and control system with the capabilities to perform vulnerability assessment and determine the defence actions is needed. On line assessment should be based on vulnerable patterns of the power grid. Controlled islanding requires computational techniques to identify how the power grid will be partitioned. This seminar will provide simulation results with realistic test cases.

- IEEE
Discussion about IEEE and its benefits and features and specifically ideas for the IEEE Sweden PE/PEL Chapter (presentations by Prof. Lina Bertling), discussion on future work and call for a new board (moderator previous Chapter chair Prof. Gustaf Olsson).

Presentations from the meeting:

1. Guest lecture Prof. Chen-Chin Liu
2. "Chapter chair updates" presented at IEEE PowerTech, June 2009
3. IEEE PES presentation from the president, Wanda Reder, July 2009

<http://www.chalmers.se/ee/EN/news/events/on-concept-wide-area>

Participation list:

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