IEEE Sweden PE/PEL Chapter

IEEE Seminar on "Power System Stabilizer: from theory to field tests" by Bengt Johansson, Power System Specialist, Solvina

Date: February 19, 2020
Time: 13.00-17:00 (coffee and refreshments will be available from 15:00)
Location: Fredrik Lamm Room, E-buidling, Hörsalsvägen 11, Chalmers – Gothenburg.
Registration (by FEB 17th, Max. 20 persons): Peiyuan Chen, peiyuan@chlamers.se

Abstract:
This seminar will first describe the power oscillations in power system, with a link to mechanical analogy. The causes and effects of power oscillations will be explained, followed with their mitigation methods. The second part of the lecture will focus on the implementation of power system stabilizer (PSS) implementation for damping power oscillations. Theories and different types of PSS will be explained. This will be followed by a discussion on a typical method to tune the lead-lag type of PSS. In the end, field test on PSS from power plants will be presented, including both test methods and practical considerations.

Biography:

Bengt Johansson obtained his M.Sc. in Electric Power Engineering from Chalmers University in Gothenburg, Sweden, in 1998.

Bengt Johansson is a power system specialist at Solvina, and specialises in power system dynamics: frequency control, island operation of power plants, excitation systems and power system stabilizers. He is also experienced in analog electronics, control engineering and test & measurement. He works presently with power system modelling and simulations, governor and AVR testing, and power system stability and control education

Welcome!
PE/PES Sweden Board through Peiyuan Chen