



Oscillation in drives system

Motors and drive systems in theory and practices

Seminar No: 104

Purpose

Basic Knowledge in dealing with oscillations.

Target audience

Design, commissioning, Operator and development engineers.

Prerequisite

Fundamental knowledge of basic electrical engineering



Duration: 1 days

Lecturer : Prof. Dr. Hambrecht

Fees/ Dates:

See price list and time schedule.

Location

Global Technical Learning Center Berlin

Content

Drive trains oscillation analysis (two mass oscillators) design of drive trains

Oscillation compensation

Torsion oscillation

Bending oscillation

Mechanical stimulated periodical noise and oscillations

Torque impulse caused by mechanical blocking or electrical short circuit

Design of control loops

Filter and damping networks for oscillations

Oscillation in control loops with back lash

Multi mass system

Modern control approach for oscillation damping (state space control)

Time	End time
8:30 am	5:00 pm