



Energizing People > Powering the future



Drive Systems

Seminar No. 104

## Oscillation in drive systems

### Course Description:

During this course participants will learn about drive trains oscillation analysis (two mass oscillators) and the design of drive trains. They will understand oscillation compensation as also torsion and bending oscillation. The purpose is also to learn about mechanical stimulated periodical noise and oscillations, torque impulse caused by mechanical blocking or electrical short circuit and go through the design of control loops, filter and damping networks for oscillations, oscillation in control loops with back lash, multi mass system and modern control approach for oscillation damping (state space control).



### Learning Outcomes:

Basic knowledge about dealing with oscillations



### Prerequisites:

Fundamental knowledge of general electrical engineering and control application



### Participants:

Design, commissioning, operation and development engineers



### Duration:

One day



Culemeyerstraße 1  
12277 Berlin, Germany

T +49 30 7622 4400  
Learning.Center@ge.com