



# 3-phase AC drive systems - fundamentals, application and control

## AC Drives System

Seminar No: 102

### Purpose

Basic knowledge on AC variable speed drives and their application.

### Target audience

Design, commissioning, Operator and development engineers.

### Prerequisite

Fundamental knowledge of basic electrical engineering.

### Content

- Introduction in drive systems
- Fundamentals of squirrel cage and doubly fed asynchronous machines and synchronous electrical machines
- Fundamentals of electrical machine operation and control
- Power electronic components and circuits
- Variable 3-phase voltage source (puls pattern generators)
- Voltage source inverter
- Variable 3-phase current source
- Current source inverter
- Control of AC variable speed drives



Duration: 3 days

Lecturer : Prof. Dr. Hambrecht

Fees/ Dates:

See price list and time schedule.

### Location

Global Technical Learning Center Berlin / Beuth-Hochschule für Technik/University of Applied Sciences

Time	End time
8:30 am	5:00 pm