



Fundamentals of variable-speed drive systems - fundamentals, application and control

AC Drives System

Seminar No: 101

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
- Fundamental knowledge of electronics.

Content

- Motives and arguments for selection of drive systems
- Basics of mechanical motions for drive system engineering
- Basics models of DC, induction machines and synchronous electrical machines.
- Inverters with thyristors for DC and AC Motors
- IGBT converters for AC machines
- Practical approach for control systems design
- Drive systems: brushless motor, cyclo converter, frequency converter for variable speed drives, DC drives



Duration: 5 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	
8:30 am	Approx 5:00 pm each day
Start	1 st day 10:00 am
End	5 th day 3:00 pm