



Power Electronics

Motors and drive systems in theory and practices

Seminar No: 103

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



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

Content

- Introduction into converter technology
- Power electronics components
- AC and DC circuit switching in Power electronic application
- Single phase and 3-phase converters
- Diode rectifiers and thyristor converters
- IGBT 2 and 3 level inverters
- IGBT inverters as front end and motor converter
- Pulse pattern generator
- Motor and active front end control
- EMC and harmonics, Filte

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