

## Curriculum vitae / References [\[Overview on the following pages\]](#)

### Academic background:

2013/08 – 2011/09 **Master Studies in Electrical Engineering, Specialization in Electrical Energy Systems** (HTW Dresden)

*Selected courses:* Protection and control technology (Prof. Rogler/Bindel)

- Diagnostic methods in the energy supply (Prof. Rogler)
- Electrical energy supply (Prof. Hofmann)
- High voltage technology/EMC (Prof. Hofmann/Binner)
- **High-current technology** (Prof. Rogler)
- Grid calculation (Prof. Hofmann)
- **Numerical field calculation** (Prof. Binner)
- Switchgear technology (Prof. Rogler)
- **Theory of electric drives** (Prof. Michalik)

2013/08 – 2011/09 **Graduate degree program in Electrical Engineering, Specialization in Electrical Energy Systems** (TU Dresden as non-resident student)

*Selected courses:* Protection and control technology (Prof. Schegner/Mr. Schindler)

- Lightning protection technology (Prof. Großmann)
- **Electrical machine dynamic** (Prof. Hofmann)
- Electrical systems (Prof. Schegner)
- Electrical systems designing (Prof. Hentschel)
- **Electrical machines II / Design** (Prof. Hofmann)
- Regulated energy systems (Prof. Hofmann)
- Load management, 2016 (Prof. Schegner)
- Power electronics I+II (Prof. Bernet)
- **Instrument transformers** (Dr. Elst)
- Grid calculation (Prof. Schegner)
- **Grid operation in the energy supply** (Prof. Gert Winkler)
- **Transformers** (Dr. Hildebrandt)
- Quality of supply, 2014 (Dr. Mayer)
- **Reliability calculation** (Dr. Bauer)

2011/02 – 2007/09 **Bachelor Studies in Renewable Energy Engineering** (HS Nordhausen)

*Selected courses:* Mechanical engineering I+II (Prof. Mühlenbeck)

- Automation technology (Prof. Krauß)
- Biogas and biomass (Prof. Vollmer/Fischer)
- Fuel cell technology (Prof. Fischer)
- Electrochemical energy storages (Prof. von Borstel)
- LabView / AutoCAD (Dr. Lustermann, Herr Große)
- Matlab I+II (Dr. Wildgrube)
- Meteorology (Dr. Parnieske-Pasterkamp)
- Photovoltaics (Prof. Wesselak)
- Regulating technology I+II (Prof. Krauß)
- Solar and geothermal energy (Prof. Schabbach)
- Continuous-flow machines/hydraulic engineering (Prof. Link)
- Fluid mechanics I+II (Prof. Link)
- **Wind energy systems/aerodynamics** (Prof. Link)

**Highlighted in red:** special courses

Overview of all lectures attended			Exam
Accounting*	TU Dresden	Prof. Dobler	without
Administrative energy management	HS Nordhausen	Prof. Große	with
Analogue and digital basic circuits	HS Nordhausen	Prof. Viehmann	with
AutoCAD	HS Nordhausen	Mr. Große	without
Automated drives / frequency inverters*	TU Dresden	Prof. Hofmann	without
Automation technology	HS Nordhausen	Prof. Krauße	with
Balancing of material and energy flows	HS Nordhausen	Prof. Fischer	with
Biofuels *	HS Nordhausen	Prof. Fischer	without
Biogas	HS Nordhausen	Prof. Vollmer	with
Biomass and biofuel	HS Nordhausen	Prof. Fischer	with
Biomass supply *	HS Nordhausen	Prof. Fischer	without
Calculation for the ren. energy supply equipment	TU Dresden	Prof. Schegner	without
Cartography	HTW Dresden	Prof. Kowanda	with
Climate protection	HS Nordhausen	Prof. Fischer	without
Cogeneration/Combined heat and power	HS Nordhausen	Prof. Fischer	without
Combustion engines	HS Nordhausen	Prof. Herms	with
Computer networks	HTW Dresden	Prof. Kühn	with
Computer science	HS Nordhausen	Prof. Tosse	with
Construction and connection techn. of electronics	HTW Dresden	Prof. Bauer	with
Construction elements and basic circuits	HS Nordhausen	Prof. Viehmann	with
Continuous-flow machines/hydraulic engineering	HS Nordhausen	Prof. Link	with
Cooling and heating supply	HS Nordhausen	Prof. Schabbach	with
DC-to-DC Converter*	TU Dresden	Dr. Weber	without
Diagnostics in the electrical power supply	HTW Dresden	Prof. Rogler	with
Digital drive control*	TU Dresden	Dr. Geitner	without
Direct drives and magnetic bearing technology*	TU Dresden	Prof. Hofmann	without
Electrical compatibility (EMC)*	HTW Dresden	Prof. Binner	without
Electrical drives	TU Dresden	Prof. Hofmann	without
Electrical energy technology	HS Nordhausen	Prof. Wesselak	with
Electrical engineering I	HS Nordhausen	Dr. Treumann	with
Electrical engineering II	HS Nordhausen	Dr. Treumann	with
Electrical machines and drives	HS Nordhausen	Prof. Wesselak	with
Electrical machines dynamics	TU Dresden	Prof. Hofmann	without
Electrical machines I	TU Dresden	Prof. Hofmann	without
Electrical machines II (Design)	TU Dresden	Prof. Hofmann	without
Electrical power supply	HTW Dresden	Prof. Hofmann	without
Electrical railways	HTW Dresden	Prof. Hofmann	with
Electrical safety	HTW Dresden	Prof. Rogler	without
Electrical systems designing	TU Dresden	Prof. Hentschel	without
Electrical vehicle and traction drives*	TU Dresden	Prof. Hofmann	without
Electricity production	HTW Dresden	Prof. Hofmann	with
Electrochemical energy storages	HS Nordhausen	Prof. von Borstel	without
Electronic measurement technology	HS Nordhausen	Mr. Franz	with
Electronics technology	HS Nordhausen	Mr. Linde	without
Energy industry/law	HS Nordhausen	Prof. Zahradnik	with
Engineering mathematics I	HS Nordhausen	Dr. Gebel	with
Engineering mathematics II	HS Nordhausen	Dr. Gebel	with
Engineering mathematics III	HS Nordhausen	Dr. Gebel	with
Facility management and construction physics	HS Nordhausen	Mr. Schmidt	with
Fluid mechanics I	HS Nordhausen	Prof. Link	with

Fluid mechanics II	HS Nordhausen	Prof. Link	with
Fuel cell technology	HS Nordhausen	Prof. Fischer	without
Geodesy	HTW Dresden	Prof. Reppchen	with
Geothermal energy	HS Nordhausen	Prof. Schabbach	with
Graphical programming systems	HTW Dresden	Prof. Seelig	with
Grid calculation	TU Dresden	Prof. Schegner	without
Grid calculation in the energy supply	TU Dresden	Prof. Winkler	without
Heat transfer	HS Nordhausen	Prof. Schabbach	with
High voltage technology	HTW Dresden	Prof. Hofmann	with
High voltage technology – Specialization*	TU Dresden	Prof. Großmann	without
High-current technology	HTW Dresden	Prof. Rogler	with
High-current technology*	TU Dresden	Prof. Großmann	without
Human resources management	TU Dresden	Dr. Hommel	without
Hydrogen technology and fuel cell	HS Nordhausen	Prof. Fischer	with
Information systems	HS Nordhausen	Prof. Tosse	with
Instrument transformers	TU Dresden	Dr. Elst	without
Introduction in the renewable energy technology	HS Nordhausen	Prof. Wesselak	with
Inverter technology	HS Nordhausen	Dr. Daleiden	without
LabVIEW I	HS Nordhausen	Dr. Luster mann	with
LabVIEW II	HS Nordhausen	Dr. Luster mann	without
Languages – English I	HS Nordhausen	Mr. Langkopf	with
Languages – English II	HS Nordhausen	Mr. Langkopf	with
Languages – English III	HS Nordhausen	Mr. Langkopf	with
Languages – English IV	HS Nordhausen	Mr. Langkopf	with
Languages – Russian I	HS Nordhausen	Ms. Foerster	with
Lighting and illumination engineering *	HTW Dresden	Prof. Hofmann	without
Lightning protection technology	TU Dresden	Prof. Großmann	without
Load management	TU Dresden	Prof. Schegner	without
Machine elements I	HS Nordhausen	Mr. Dohle	with
Machine elements II	HS Nordhausen	Mr. Dohle	with
Material engineering I	HS Nordhausen	Prof. von Borstel	with
Material engineering II	HS Nordhausen	Prof. von Borstel	with
Material engineering III	HS Nordhausen	Prof. von Borstel	with
Mathcad*	HS Nordhausen	Dr. Gebel	without
Matlab I	HS Nordhausen	Dr. Wildgrube	with
Matlab II	HS Nordhausen	Dr. Wildgrube	without
Mechanical engineering I	HS Nordhausen	Prof. Mühlenbeck	with
Mechanical engineering II	HS Nordhausen	Prof. Mühlenbeck	with
Mechanical network calculation	HTW Dresden	Prof. Hofmann	with
Meteorology	HS Nordhausen	Dr. Parnieske-Pasterkamp	without
Network control technology	HTW Dresden	Prof. Bindel	with
Network control technology*	TU Dresden	Mr. Schindler	without
Nuclear physics	HS Nordhausen	Dr. Loeffelholz	without
Numerical field calculation / higher mathematics	HTW Dresden	Prof. Binner	with
Office I	HS Nordhausen	Ms. Roesch	with
Operation of electrical equipment	TU Dresden	Prof. Schegner	without
Operation, safety and maintenance of techn. equip.	HS Nordhausen	Mr. Vieweg	with
Operational and clearing procedures in networks	TU Dresden	Prof. Schegner	without
Photovoltaics	HS Nordhausen	Prof. Wesselak	with
Physics I	HS Nordhausen	Dr. Haupt	with
Physics II	HS Nordhausen	Dr. Haupt	with

Physics III (internship)	HS Nordhausen	Dr. Haupt	with
Planning of electrical distribution networks	TU Dresden	Dr. Hable	without
Power electronic simulations	HS Nordhausen	Mr. Hickmann	with
Power electronics I	TU Dresden	Prof. Bernet	without
Power electronics I*	HTW Dresden	Prof. Brenner	without
Power electronics II	TU Dresden	Prof. Bernet	without
Power lines and cables	HTW Dresden	Prof. Hofmann	with
Power plants	HS Nordhausen	Prof. Fischer	without
Programming	HS Nordhausen	Mr. Tabatt	with
Protection technology	HTW Dresden	Prof. Rogler	with
Protection technology	TU Dresden	Prof. Schegner / Dr. Meyer	without
Quality of supply	TU Dresden	Dr. Mayer	without
Regulated energy systems with renewable energy	TU Dresden	Prof. Hofmann	with
Regulating technology I	HS Nordhausen	Prof. Krauße	with
Regulating technology II	HS Nordhausen	Prof. Krauße	with
Reliability and safety calculation	TU Dresden	Dr. Bauer	without
Renewable raw materials	HS Nordhausen	Dr. Parnieske-Pasterkamp	without
Renewable energy and rural electrification	HS Nordhausen	Prof. Fischer	without
Scientific work	HS Nordhausen	Prof. Wesselak	with
Solar thermal energy	HS Nordhausen	Prof. Schabbach	with
Start-up-oriented intro. in the business administrat.	HTW Dresden	Ms. Beyer	with
Switchgear technology*	HTW Dresden	Prof. Rogler	without
Technical drawing / design theory	HS Nordhausen	Mr. Große	with
Technical energy management	HS Nordhausen	Prof. Viehmann	with
Technical information systems	HS Nordhausen	Prof. Tosse	with
Theory of electric drives (machine dynamics)	HTW Dresden	Prof. Michalik	with
Thermodynamics I	HS Nordhausen	Prof. Schabbach	with
Thermodynamics II	HS Nordhausen	Prof. Schabbach	with
Transformers	TU Dresden	Dr. Hildebrandt	without
Wind energy systems / aerodynamics	HS Nordhausen	Prof. Link	with

*With \* = not attended through the end of the course*