



Software Architecture and Operating Systems		
Software Architecture for Embedded Systems	Onsite-Training	<a href="#">Link</a>
freeRTOS in Theory and Practice	Online-Training	<a href="#">Link</a>
Operating System	E-Learning	<a href="#">Link</a>
Real-Time Operating System	E-Learning	<a href="#">Link</a>

C and C++ Programming		
Emedded Software Basics	E-Learning	<a href="#">Link</a>
C++11 and C++14	Onsite-Training	<a href="#">Link</a>
C++ for embedded applications – a deep dive	Onsite-Training	<a href="#">Link</a>

Cryptography		
Classical Cryptography	E-Learning	<a href="#">Link</a>
Modern Cryptography	E-Learning	<a href="#">Link</a>



Embedded Linux		
Embedded Linux Debugging/Tracing/Profiling	Online-Training	<a href="#">Link</a>
Embedded Linux in Theory and Practice	Online-Training	<a href="#">Link</a>
Embedded Linux – Theory/Practice and Debugging/Tracing/Profiling	Online-Training	<a href="#">Link</a>
The Yocto Project – A Summary	Online-Training	<a href="#">Link</a>

Softwaretest		
ISTQB® – Certified Tester Foundation Level – CTFL	Online-Training	<a href="#">Link</a>

RISCV, System C, TML2 und Virtual Prototype Primer		
RISCV – Eine Einführung	Onsite-Training	<a href="#">Link</a>
SystemC / TLM2 Primer	Onsite-Training	<a href="#">Link</a>
Virtual Prototype Primer	Onsite-Training	<a href="#">Link</a>



Measurement Technology		
Strain gauges – Understanding and interpreting measurements in practice	Onsite-Training	<a href="#">Link</a>
Measurement Technology using strain gauges - basic course	E-Learning	<a href="#">Link</a>

Elektronics, Electrics, Electrical Maschines and Machine Control		
Electronic and Electrical Fundamentals	E-Learning	<a href="#">Link</a>
Basics of Electrical Machines	E-Learning	<a href="#">Link</a>
Permanent Magnet Synchronous Machines	E-Learning	<a href="#">Link</a>
Synchronous Machines	E-Learning	<a href="#">Link</a>
Induction Machines	E-Learning	<a href="#">Link</a>
DC and Brushless DC Machines	E-Learning	<a href="#">Link</a>
Control of electrical Machines - Field-Oriented Control	E-Learning	<a href="#">Link</a>
Control of electrical Machines - Control Design	E-Learning	<a href="#">Link</a>
Vector Control: Park and Clarke Transformation	E-Learning	<a href="#">Link</a>



E-Mobility		
E-Mobility Introduction	E-Learning	<a href="#">Link</a>
Introduction EV Charging	E-Learning	<a href="#">Link</a>
Electric Vehicle System	E-Learning	<a href="#">Link</a>

Electrified Powertrain		
Power Electronics	E-Learning	<a href="#">Link</a>
Electrical Machines - Basics	E-Learning	<a href="#">Link</a>
Control of Electrical Machines - An Introduction	E-Learning	<a href="#">Link</a>
Battery and BMS	E-Learning	<a href="#">Link</a>
Noise, Vibration and Harshness (NVH) for Vehicles	E-Learning	<a href="#">Link</a>

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Electric Charging		
EV Charging Basics	E-Learning	<a href="#">Link</a>
EV Charging - Automated Charging	E-Learning	<a href="#">Link</a>
EV Charging - Use Cases	E-Learning	<a href="#">Link</a>
EV Charging - Grid Interaction	E-Learning	<a href="#">Link</a>
Communication in EV Charging:	E-Learning	<a href="#">Link</a>
Electric Charging for Managers	Onsite-Training	<a href="#">Link</a>
Electric Charging Introduction	Onsite-Training	<a href="#">Link</a>
Introduction to hardware development for PLC in electric charging	Onsite-Training	<a href="#">Link</a>
Hardware development and calibration of parameters	Onsite-Training	<a href="#">Link</a>
Expert training: PSD power spectral density calibration of PLC modems	Onsite-Training	<a href="#">Link</a>
Introduction to software development for PLC in electric charging	Onsite-Training	<a href="#">Link</a>
Electric Charging Communication for Software Developers of SW Stack	Onsite-Training	<a href="#">Link</a>





Automotive Processes		
Automotive Cybersecurity	E-Learning	<a href="#">Link</a>
ASPICE – Overview	E-Learning	<a href="#">Link</a>
ASPICE – System Engineering Processes	E-Learning	<a href="#">Link</a>
ASPICE – Software Engineering Processes	E-Learning	<a href="#">Link</a>
ASPICE – Management Processes - MAN.3: Project Management	E-Learning	<a href="#">Link</a>
ASPICE – Supporting Processes	E-Learning	<a href="#">Link</a>

Automotive Softwareentwicklung und Test		
Standardized diagnostic protocols in the automotive sector	Onsite-Training	<a href="#">Link</a>
ISTQB® – Certified Tester Foundation Level – Automotive Software Tester CTFL-AuT	Online-Training	<a href="#">Link</a>
AUTOSAR™ - An Overview	E-Learning	<a href="#">Link</a>
AUTOSAR™ - Classic Platform R19-11	E-Learning	<a href="#">Link</a>
Virtual Functional Bus - Introduction	E-Learning	<a href="#">Link</a>
Virtual Functional Bus - Basic Principles	E-Learning	<a href="#">Link</a>
AUTOSAR™ - Operating System	E-Learning	<a href="#">Link</a>

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## TRAININGS AND E-LEARNING



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Location Regensburg: The trainings are usually conducted at the following Eclipseina location in the city center.

Eclipseina GmbH  
Domplatz 7  
93047 Regensburg

