UML for Embedded Systems

Training Description

You learn about the different aspects of the UML (Unified Modeling Language) and get to know how to document your software using UML.

You will learn both to model architectures and to design software components within a team, also you will learn how to set up professional version and variant management.

During the training you acquire practical experience with the SiSy microcontroller tool of SiSy Solutions GmbH.

Target Group

Embedded software engineers

Prerequisites

There are no prerequisites in terms of certificates or special know-how.

Experience in software programming or in modeling software with UML are of advantage.

Training Content

1. 1.Day: Basics in UML

- Using UML and code generation for software development

- From architecture to software components

- Architecture: Description of structure and behavior

2. 2.Day: Documenting architecture and design

- Design: Description of structure and behavior

- Integration of requirements

- Combining architecture and design

- Documentation and traceability

- Generation of test cases

Method and Training Materials

Presentation as well as hands-on exercises using an embedded system.

The participants will be provided with the microcontroller tool SiSy during the training.

The training materials will be provided to each participant.

Duration

2 Days

Training Fee

1.190 Euro plus VAT tax per person
The fee includes training certificate, training material, snacks, beverages and lunch.

Number of Participants

6 to 12 participants

Location

Technologiezentrum TechBase, Franz-Mayer-Str. 1, D-93053 Regensburg

Trainer

Alexander Huwaldt
is a certified UML trainer according to OMG standards. He trains engineers in programming microcontrollers, software engineering, UML, SysML and BPMN. He holds a diploma in computer science as well as teaching and has many years of experience in both fields.

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