MODEL DRIVEN ENGINEERING, ARCHITECTURE, AND DEVELOPMENT

Kursbeschreibungen

This course targets professionals interested in model-driven engineering (MDE) in system and software development. It covers principles and techniques for creating and manipulating models at different abstraction levels. Trainees will learn about domain-specific modeling languages, metamodeling, model transformations and code generation. The course emphasises the benefits of MDE in improving productivity, maintainability, and reusability of systems. The aim is to equip trainees with practical skills in applying MDE approaches in their professional software development projects.

Lernziele

• Understand the principles and benefits of model-driven engineering (MDE).
• Learn how to create and manipulate models at different abstraction levels.
• Acquire knowledge of domain-specific modeling languages and metamodeling.
• Develop skills in model transformations and code generation.
• Apply MDE approaches in software development projects for increased productivity and maintainability.

Wer Sollte Teilnehmen?

• Systems Architects
• Systems Engineers
• Software Architects
• Software Developers
• Modelers

Teilnehmergebühren

Early Bird: 2025 CHF | Regular: 2250 CHF

Dauer

3 tage

Trainer

Vincent Arnould

Vincent Arnould brings over two decades of experience as a versatile leader and expert in the field of System Engineering and Architecture. His career spans in the defense domain, on avionics and maritime warfare systems. His expertise lies in Software Intensive Systems and Systems-of-Systems Architecture and System Engineering, supported by a robust skill set that includes transversal management, communication, and international collaboration. He has excelled in leadership roles at companies like Naval Group and Hensoldt Sensors GmbH, contributing to prestigious projects such as the Gowind-class Frigate, the Future Combat Air System (FCAS) and Maritime Airborne Warfare System (MAWS). Vincent's expertise lies in operational analysis, architectural design, and Model-Based System Engineering (MBSE), driving successful outcomes in the defense and avionics sectors. His transnational collaboration and commitment to rigorous

quality standards like SysML further underscore his influence in the industry.