

CANoe Workshop

Agenda VectorAcademy

Duration: 2 Days

1. Introduction to Vehicle Networks

- > Electronification of motor vehicles
- > ECU networking in the automotive field
- > Primary tasks in bus networking
- > Extended tasks in bus networking
- > Classification of tasks in bus networking
- > Automotive application domains and serial bus systems

2. Introduction to CAN

- > Standard & Implementation
- > Physical Layer
- > Communication
- > Bus Access
- > Data Frame
- > Data Protection
- > Bit Timing & Synchronization
- > Miscellaneous

3. CANoe Analysis

- > Configuration
- > Setup
- > Measurement and Simulation Setup
- > Analysis Windows
- > Function Blocks
- > Data Logging
- > Stimulation Possibilities
- > Import and Export of data
- > Offline Mode
- > Further CANoe Functions
- > Exercises

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4. CANoe Simulation

- > Motivation
- > Implementation
- > Creating a Simulation with CANoe IL
- > Working with Panels
- > Signal Generator
- > Brief Introduction to CAPL
- > Signal-Based CAPL
- > System and Environment Variables
- > Creating a Simulation with CAPL
- > Miscellaneous
- > Exercises
- > Solutions