



Agenda VectorAcademy

CANOE IN PRACTICE

Duration:	1 Day
Target Group:	CANoe Users
Prerequisites:	Experience in working with CANoe
Goal:	Working with CANoe on a breadboard setup with real automotive ECUs

1 | MEASURING BUS COMMUNICATION OF AUTOMOTIVE ECUS | 1.5 H

- ▶ Creating complex CANoe configurations
- ▶ Measurement of the bus traffic

2 | INTRODUCTION TO OSEK/VDX NETWORK MANAGEMENT | 1.5 H

- ▶ Design of a Network Management message
- ▶ Alive message, ring message, Sleep-Indication, Sleep-Acknowledge
- ▶ Analysis of the Network Management of real automotive ECUs

3 | ANALYSIS OF MULTIPLE NETWORKED CAN BUS SYSTEMS | 1.5 H

- ▶ Simultaneous measurement of extensive communication over multiple CAN networks
- ▶ Configuration and usage of different CAN hardware interfaces

4 | EXTENSIVE DATA LOGGING AND ITS EVALUATION (OFFLINE ANALYSIS) | 1.0 H

- ▶ Logging on multiple busses
- ▶ Offline analysis of logged data
- ▶ Selective data reduction

5 | CREATING REST-OF-BUS SIMULATIONS AND STARTUP ON THE BREADBOARD SETUP | 1.5 H

- ▶ Simulation of an ECU via CANoe Interaction Layer
- ▶ Creating panels and signal runs