



Agenda VectorAcademy

CANBEDDED J1939 WORKSHOP

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| Duration: | 1 Day |
| Target Group: | Users and Developers |
| Prerequisites: | CAN Fundamentals, J1939 Fundamentals |
| Goal: | Basic functionality and structure of J1939 software components, use application interfaces of the J1939 modules, functionality and use of dynamic network management for J1939 software components |

1 | OVERVIEW | 0.5 H

- ▶ Presentation of the tool chain
- ▶ Emphasizing J1939-specific aspects

2 | NETWORK DESIGN WITH CANDB++ EDITOR | 0.5 H

- ▶ Usage of the CANdb++ Editor
- ▶ Consideration of the specific characteristics and attributes of the J1939 database

3 | CONFIGURATION TOOL GENY | 3.0 H

- ▶ Configure the J1939 protocol stack
- ▶ Configure the network management
- ▶ Configure the transport protocols

4 | CANBEDDED J1939 THEORY | 2.0 H

- ▶ Functional description of the J1939 software components
- ▶ Coherences of the J1939 software components



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5 | APPLICATION INTERFACES API | 1.0 H

- ▶ Overview of the existing interfaces
- ▶ System Integration
- ▶ Examining and utilizing interfaces to the OSEK operating system
- ▶ Functionality and use of the J1939 Interaction Layer

6 | NETWORK MANAGEMENT | 0.5 H

- ▶ Explanation and use of the implemented Address Claiming methods
- ▶ Functionality and use of Automatic Address Resolution (dynamic addresses) in J1939 networks