



# Agenda VectorAcademy

## INTRODUCTION TO CANoe.ISO11783 (ISOBUS)

<b>Duration:</b>	1 Day
<b>Target Group:</b>	Users and Developers
<b>Prerequisites:</b>	Knowledge about J1939 fundamentals, knowledge about CANoe would be beneficial
<b>Goal:</b>	Getting knowledge of the CANoe.ISO11783 enhancements for practical usage

### 1 | NETWORK DEFINITIONS WITH THE J1939 DATABASE (CANDB++) | 1.0 H

- ▶ Data description in a J1939 database
- ▶ Definition of Parameter Groups, signals and attributes
- ▶ Description of peer-to-peer and global communication
- ▶ Differences between a standard CAN and the J1939 database

### 2 | MAIN FUNCTIONS OF CANoe.ISO11783 | 1.5 H

- ▶ Enhancement of analyzing functionality by protocol context in Trace-, Data- and Graphics-Windows as well as data logging
- ▶ Working with the J1939 PlugIns: Network Scanner, Node Filter, GPS enhancements
- ▶ Hands-On training on PC

### 3 | WORKING WITH TYPICAL ISO11783 COMPONENTS IN CANoe | 2.0 H

- ▶ Interactive Virtual Terminal (VT): Working with Object Pools and ECU simulations
- ▶ Task Controller (TC): Working with Device Description files
- ▶ Hands-On training on PC

### 4 | WORKING WITH THE ISO11783 NODE LAYER INTERFACE | 3.0 H

- ▶ Introduction of the CAPL programming environment
- ▶ Working with the CAPL Node Layer API for usage of special ISO11783 functionality in the Virtual Terminal and Task Controller context
- ▶ Working with ISO11783 Node Layer DLL and ISO11783 Interaction Layer
- ▶ Introduction in CAPL Generator
- ▶ Hands-On training on PC