



# Agenda VectorAcademy

## INTRODUCTION TO CANALYZER/CANoe.J1939

<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.J1939 enhancements for practical usage

### 1 | NETWORK DEFINITIONS WITH THE J1939 DATABASE (CANDB++) | 1.5 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 a J1939 database

### 2 | MAIN FUNCTIONS OF CANALYZER/CANoe.J1939 | 6.0/3.0 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 THE J1939 NODE LAYER INTERFACE (ONLY CANoe) | 3.0 H

- ▶ Introduction of the CAPL programming environment
- ▶ Working with the CAPL Node Layer API for usage of special J1939 protocol context
- ▶ Working with J1939 Node Layer DLL and J1939 Interaction Layer
- ▶ Introduction into CAPL Generator
- ▶ Hands-On training on PC