



# Agenda VectorAcademy

## EXTENDED FUNCTIONALITIES OF CANoe.LIN

<b>Duration:</b>	1 Day
<b>Target Group:</b>	LIN Users
<b>Prerequisites:</b>	LIN Fundamentals, CANoe/CANalyzer.LIN
<b>Goal:</b>	Rest of bus simulation, stressing and analysing with CAPL programs, LIN Slave Conformance Tester

### 1 | INTRODUCTION TO THE PROGRAMMING LANGUAGE CAPL | 1.0 H

- ▶ System and LIN specific procedures
- ▶ Elementary event procedures
- ▶ Data types, typical CAPL key words
- ▶ Exercises

### 2 | LIN CLUSTER SIMULATION WITH CAPL | 3.5 H

- ▶ Simulation of slave tasks
- ▶ Simulation of a master task, scheduling of Unconditional, Diagnostic, Event Triggered und Sporadic Frames
- ▶ Network management
- ▶ Exercises

### 3 | LIN STRESS FEATURE SET | 1.0 H

- ▶ Simulation of errors, manipulation of the bandwidth, simulating short circuits
- ▶ Exercises

### 4 | LIN ANALYSIS FEATURE SET | 0.8 H

- ▶ Analysis functions supplementing analysis windows of CANoe
- ▶ Exercises

### 5 | TESTING WITH LIN | 1.2 H

- ▶ LIN Slave Conformance Tester and Test Feature Set in CANoe