



# Agenda VectorAcademy

## CANOE.FLEXRAY IN PRACTICE

<b>Duration:</b>	1 Day
<b>Target Group:</b>	Users of CANoe for FlexRay
<b>Prerequisites:</b>	FlexRay fundamentals, knowledge about CANoe for FlexRay, knowledge about modeling and simulation in CANoe.FlexRay and CAPL for FlexRay
<b>Goal:</b>	Practical using of preconditioned knowledge.

### 1 | INTRODUCTION INTO THE PRACTICE DAY | 0.5 H

- ▶ Schedule of the day and exercises
- ▶ Presentation of the used ECUs

### 2 | INITIATION OF A FLEXRAY NETWORK | 1.0 H

- ▶ Autonomous initiation of a FlexRay network
- ▶ Creation of a configuration in CANoe.FlexRay

### 3 | MEASURING AND ANALYZING IN CANOE.FLEXRAY | 1.5 H

- ▶ Analyzing of characteristics of the ECU
- ▶ Interpretation of frames, PDUs and signals
- ▶ Stimulation of the ECU by signal manipulation

### 4 | MODELING AND SIMULATION IN CANOE.FLEXRAY | 3.0 H

- ▶ Interpretation of signals by CAPL
- ▶ Transmission of frames and PDUs
- ▶ Simulation of additional nodes

### 5 | CHECKING OF STARTUP AND WAKEUP | 3.0 H

- ▶ Interpretation of startup and wakeup by CAPL
- ▶ Transmission of startup sync frames by CAPL