

# Introduction to CANoe/CANalyzer.LIN

## Agenda VectorAcademy

<b>Duration:</b>	1 Day, 7h
<b>Target Group:</b>	LIN Users
<b>Prerequisites:</b>	LIN Fundamentals
<b>Goal:</b>	Measuring, analyzing as well as stimulating a LIN environment with help of the tools CANalyzer and/or CANoe

**Pedagogical, technical and supervisory resources:**

- A course material is given to each trainee.
- An Editor for LIN database LDF Editor and CANalyzer for analyze bus LIN
- The training sessions will be held in suitable rooms (meeting rooms)
- Trainer's competence: 15 years of experience in training related to embedded developments, network architectures.

**Method of follow-up of the trainee:**

A release sheet must be validated by the trainee. A first satisfaction questionnaire is planned at the end of the training.

### 1 | Data Interpretation with the LIN Description File Explorer

- > LDF Explorer: LIN nodes, frames/commands, signals, schedules
- > Exercises

### 2 | Introduction to CANoe/CANalyzer.LIN

- > Operational concept, measurement and simulation setups in CANoe/CANalyzer
- > 3-phase model of the development of distributed systems with CANoe

### 3 | LIN Integration in CANoe/CANalyzer

- > LIN interfaces
- > Hardware configuration in CANoe/CANalyzer, driver settings

### 4 | Measurement and Analysis

- > Configuration of windows and function blocks
- > Trace, LIN statistics, signal analysis in data and graphics windows
- > Exercises

### 5 | Stimulation and Emulation

- > Interactive generator block, interactive LIN master
- > Exercises

### 6 | Dynamic Simulation in CANoe.LIN

- > Creating a schedule with the LDF explorer
- > Changing signals with panels via interaction layer
- > Exercises