

# CANoe/CANalyzer for FlexRay Compact

Agenda VectorAcademy

<b>Delivery Format:</b>	This Course is offered in Remote Format
<b>Duration:</b>	10 hours
<b>Target Group:</b>	Users of CANoe or CANalyzer for FlexRay
<b>Goal:</b>	Basic knowledge of bit-serial communication and CANoe/CANalyzer are helpful
<b>Goal:</b>	Knowledge about physical characteristics of a FlexRay network and characteristics of the FlexRay protocol, databases for FlexRay, initiation of a FlexRay network and functionalities for measuring and analyzing in CANoe .FlexRay, modeling and simulation in CANoe .FlexRay

## 1. Introduction to FlexRay

- > Physical topologies, Signal transmission and voltage levels
- > Wake-Up, Startup and Synchronization mechanism
- > Cycle, static and dynamic segment, frames and bus access
- > Data bases for FlexRay, description of frames, PDUs and signals

## 2. Measuring and analyzing in CANoe .FlexRay

- > Hardware Driver Setting and creation of a configuration in CANoe
- > Measuring and analyzing in a FlexRay network
- > Wake-Up and Startup with CANoe
- > Interactive Sending with Frame Panel and PDU Panel

## 3. Modeling and Simulation in CANoe .FlexRay

- > Creation of a configuration for modeling and simulation
- > System panel, node and network panels and signal generators

## 4. Graphical Panels and Introduction to CAPL

- > Introduction to the Panel Designer and Creation of graphical panels
- > Introduction to CAPL