

# CAN, CANalyzer and CAPL Fundamentals Workshop

Agenda VectorAcademy

Duration: 2 Days

## 1. Introduction to Vehicle Networks

- > Electronification of motor vehicles
- > ECU networking in the automotive field
- > Primary tasks in bus networking
- > Extended tasks in bus networking
- > Classification of tasks in bus networking
- > Automotive application domains and serial bus systems

## 2. Introduction to CAN

- > Standard & Implementation
- > Physical Layer
- > Communication
- > Bus Access
- > Data Frame
- > Data Protection
- > Bit Timing & Synchronization
- > Miscellaneous

## 3. Introduction to CANalyzer Analysis

- > Configuration
- > Measurement Setup
- > Database
- > Analysis Blocks
- > Analysis Windows
- > Panels
- > Function Blocks
- > Data Logging
- > Send Options
- > Import and Export of data
- > Offline Mode
- > Further CANalyzer Functions and Windows

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## 4. Introduction to CAPL

- > Motivation
- > Introduction
- > First steps in CAPL
- > CAPL syntax
- > Evaluating messages
- > System Variables
- > Panels
- > Sending messages
- > Time management
- > Exercises
- > Solutions