

# Introduction to CANalyzer/ CANoe

<b>Duration:</b>	1 Day
<b>Target group:</b>	CAN users (controller development, electrical engineering and motor vehicle electrical)
<b>Prerequisites:</b>	'CAN fundamentals'

## 1 Data Interpretation with CANdb++ (2.0 h)

Goal: Interpretation of CAN data using the CAN database

Contents: CANdb++ Editor: network nodes, messages, signals, conversion formulas, exercises

## 2 Introduction to CANalyzer / CANoe (0.5 h)

Goal: Present the potential uses of CANalyzer / CANoe. Explanation of the database concept

Contents: User control concept, Measurement Setup and graphic menu, overview of the Measurement Window and standard function blocks

## 3 Measurement and Evaluation with CANalyzer / CANoe (2.0 h)

Goal: Use of CANalyzer / CANoe as a measurement tool

Contents: Configuration of windows and function blocks, data tracing, Statistics window, signal analysis in Data and Graphic windows, exercises

## 4 Stimulation and Emulation (1.0 h)

Goal: Active intervention in existing bus traffic by means of Send blocks

Contents: Generator blocks and Replay block, exercises

## 5 Data Logging and Offline Analysis (1.0 h)

Goal: Present logging functionality. Explain the Offline mode in CANalyzer / CANoe

Contents: Logging data traffic for Offline analysis, using specific trigger conditions, data analysis in Offline mode, exercises

## 6 Tips and Tricks for Working with CANalyzer / CANoe (0.5 h)

Goal: Discussion of special issues and problems in using CANalyzer / CANoe

Contents: Internal program structure, working with configurations, performance optimization, working with directories, working with multiple databases

## 7 Questions, Feedback, Suggestions

Goal: Clarification of open issues and open discussion as feedback for Vector