

Introduction to CANoe

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| Duration: | 1 Day |
| Target group: | CAN users (controller development, motor vehicle electrical, test planning and execution) |
| Prerequisites: | CAN fundamentals |

1 Data Interpretation with CANdb++ (2,0 h)

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| Goal: | Interpretation of CAN data using the CAN database |
| Contents: | CANdb++ Editor: Network nodes, messages, signals, conversion formulas, exercises |

2 Introduction to CANoe (0,5 h)

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| Goal: | Convey a basic understanding of CANoe as a development environment for CAN projects |
| Contents: | 3-phase model for the development of distributed systems, overview of CANoe components, user control concept, Measurement Setup and Simulation Setup, graphic menu, overview of measurement windows and function blocks |

3 Measurement, Evaluation and Data Logging with CANoe (2,5 h)

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| Goal: | Use of CANoe as a measurement tool |
| Contents: | Configuration of windows and function blocks, data tracing, Statistics window, signal analysis in Data and Graphic windows, present logging functionality, use of specific trigger conditions, exercises |

4 Stimulation and Emulation (1,0 h)

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| Goal: | Active intervention into existing bus traffic by means of Send blocks |
| Contents: | Generator blocks and Replay block, exercises |

5 Offline Analysis (0,5 h)

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| Goal: | Explain Offline mode |
| Contents: | Offline analysis of logged data in Offline mode, exercises |

6 Tips and Tricks for Working with CANoe (0,5 h)

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| Goal: | Discussion of special issues and problems in the use of CANoe |
| Contents: | Internal program structure, working with configurations, performance optimization, working with directories and multiple databases |

7 Questions, Feedback, Suggestions

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