



Agenda VectorAcademy

CANBEDDED LIN WORKSHOP

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| Duration: | 1 Day |
| Target Group: | Users of LIN Software Components |
| Prerequisites: | LIN Basics and Programming in C |
| Goal: | Overview of the CANbedded CAN/LIN software components, LIN data traffic, integration and employment of LIN-Master/Slave ECUs as well as of a CAN/LIN gateway, understanding and mode of operation of higher layers |

1 | OVERVIEW | 1.0 H

- ▶ Tool chain
- ▶ Network data base (DBC)
- ▶ Generation Tool

2 | LIN DATA TRAFFIC | 1.0 H

- ▶ Description of a LIN network in LDF and DBC formats
- ▶ Conversion of LDF to DBC format
- ▶ Interpretation of LIN messages
- ▶ Creation and calculation of LIN schedule tables

3 | EMPLOYMENT OF A LIN MASTER AND SLAVES | 4.0 H

- ▶ API of a LIN driver
- ▶ Initialization, sending and receiving
- ▶ Sending notifications to the application
- ▶ Diagnostic messages, error handling
- ▶ Sleep mode und wake-up
- ▶ Employment of a LIN master as well as a CAN/LIN gateway



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4 | FURTHER ASPECTS | 1.0 H

- ▶ Transport protocol and handling of diagnostics
- ▶ Flashing by LIN
- ▶ Characteristics of the LIN specifications

5 | QUESTIONS, FEEDBACK, SUGGESTIONS