

LIN Workshop CANbedded

Duration:	1 Day
Target Group:	User of LIN Software Components
Prerequisites:	LIN Basics and Programming in C

1 Overall View (1,0 h)

Objective: Overall view of the CANbedded CAN/LIN software components and their interplay

Contents: Introduction, tool chain, network data base (DBC), generation tool

2 LIN Data Traffic (1,0 h)

Objective: Introduction to LIN data traffic

Contents: 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)

Objective: Configuration with generation tool, integration and employment of LIN-Master/Slave ECUs as well as of a CAN/LIN gateway

Contents: API of a LIN driver, initialisation, 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

4 Further Aspects (1,0 h)

Objective: Understanding and mode of operation of higher layers / components and tool supporting the development

Contents: Transport protocol and handling of diagnostics, flashing by LIN, specialties of the LIN specifications

5 Questions, Feedback, Suggestions

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