

Serial Bus Systems in Automobiles (FlexRay / MOST)

Duration:	1 day
Target group:	Persons responsible for projects, developers, users
Requirements:	none

1 Introduction to FlexRay (3.5 h)

- Goal:** Building the understanding of FlexRay, making clear the basic principles of the FlexRay Bus and the structures of a FlexRay controller
- Contents:** Applications of FlexRay, characteristics of FlexRay and the specifications of FlexRay, scheduling with Communication Cycle, slots and frames, synchronisation of the bus and FIBEX description.
- Practical examples with the aid of a real FlexRay bus

2 Introduction to MOST (Media Oriented Systems Transport) (3.5 h)

- Goal:** Building an understanding for MOST technology, making clear the basic principles of the MOST transmission system and the basic structure of a MOST device and a MOST ring respectively.
- Contents:** MOST applications and characteristics, MOST specifications, MOST frame, application framework, communication architecture, timing master, network master and NetBlock, possibilities of addressing a MOST device and use of a function catalogue.
- Practical examples with the aid of a real MOST ring