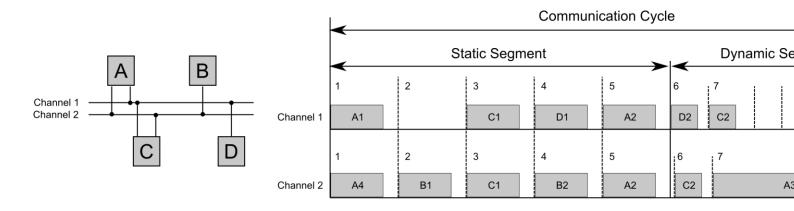


## **FlexRay**

- FlexRay communication is divided in:
  - a static segment: Deterministic media access based on TDMA
  - a dynamic segment: Non-deterministic media access based of (Flexible Time Division Multiple Access)
- Time base is established at wake-up of control units.



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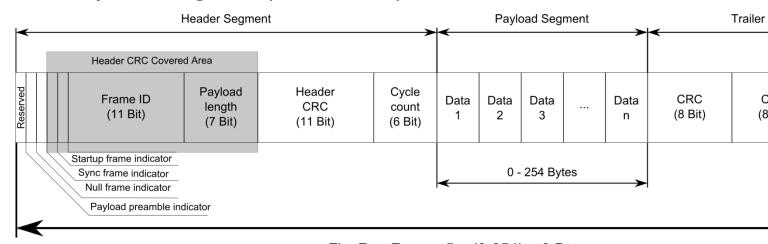
Echtzeitsysteme

Lehrstuhl Informatik VI - Robotics and Embedded Systems

## Fakultät für Informatik der Technischen Universität München

## **FlexRay**

- A FlexRay frame is divided into three segments: Header, Paypload and
- Variable payload length from 0 to 254 Bytes
- CRC for header (partly) and payload
- Frame ID: Defines the slot in which the frame should be transmitted (Range: 1-2047, ID 0 is an invalid frame ID)
- Payload Length: Payload data bytes / 2



FlexRay Frame: 5 + (0-254) + 3 Byte

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