

## XCP

### Agenda VectorAcademy

<b>Delivery Format:</b>	This Course is offered in Classroom <b>or</b> Remote Format
<b>Duration:</b>	Classroom: 1 Day Remote: 7 hours
<b>Target Group:</b>	CANape Users, Software Engineers
<b>Prerequisites:</b>	None
<b>Goal:</b>	Knowledge about the XCP Mechanisms

#### 1. Introduction to Fundamentals of the XCP Protocol | 1.0 h

- > Topology
- > Communication forms
- > Layout of an XCP frame

#### 2. Models for Synchronous Data Transfer | 3.0 h

- > Static and dynamic DAQ lists
- > Organization of the ODT lists
- > Resume Mode (Cold start measurement)
- > Acquisition of measurement data with time stamp

#### 3. Models for Calibration | 0.5 h

- > Sector, segments and pages
- > Data page freezing
- > Calibration data page switching

#### 4. Special Aspects of the XCP Transport Layer | 1.5 h

- > XCP on Ethernet
- > XCP on CAN
- > XCP on FlexRay

#### 5. Example Communication Sequences | 1.0 h

- > Establishing communication
- > Initialization of DAQ lists
- > Calibration processes