



SPEED UP YOUR DATA.



With kind support of



**LEONI**



**Rosenberger**



## AGENDA - APIX2 Workshop

### 8:30 APIX2 Introduction (Inova)

- General operation
- Video and Data communication

### 9:30 APIX2 physical layer and compliance (Inova)

- Physical layer concept
- FIR DFE operation and configuration
- Compliance Tests

### 10:30 Coffee Break

### 10:45 HSD Connectors (Rosenberger)

- Introduction to HSD Concept
- EMI Considerations
- In-car measurement of 3Gbit/s signals

### 11:15 Cable requirements (Leoni)

- Introduction to Star-quad cables
- Difference between different cables and types (535, 636)
- Cable characteristics and cable aging

### 11:45 Cable assembly (MD Electronics)

- Introduction on HSD cable assembly
- Test of cable assemblies, development and end of line
- System aspects, implications of in-lines, mechanical stress, assembly conditions

### 12:15 Lunch

**13:15 Jitter and jitter measurement (Keysight)**

- Introduction to the different jitter types
- Demo of Jitter Measurement

**14:15 APIX2 Diagnostics (Inova)**

- APIX2 Diagnostic features
- Analysis of potential error scenarios and possible compensation mechanisms
- Demonstration of Diagnostic features (APIX2\_ADK)
- Validation
  - o During development
  - o In operation

**15:15 Coffee Break**

**15:30 APIX2 Display Controller Indigo (SocioNext)**

- Introduction to Indigo
- Remote Handler functionality
- Diagnostics
- Validation

**17:00 Official End**