

# Automotive Ethernet and Next-Gen In-Vehicle Networks

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Automotive Ethernet is expected to become the de-facto communication for in-vehicle networks. With the introduction of 2.5/5/10GBASE-T1 speed grades, more and more applications are becoming available to us to enhance user experiences through infotainment and autonomous driving. During this webinar, we will review examples of these advancements including radar sensors and 5G telematic units using automotive Ethernet as the communication link. In addition, we will explain how the in-vehicle networks will evolve over the next 10 years, with new platform developments, that include concepts like domain and zonal controller architecture. We will also discuss testing challenges that may arise with these new architectures. Finally, we will touch upon other high-speed digital communication links such as SerDes generation 2020 that will enable the integration of camera sensors and monitors for ADAS & Infotainment related applications.

### Speakers:

Dr. Nik Dimitrakopoulos, Market Segment Manager Automotive Ethernet & Infotainment Rohde & Schwarz  
Dr. Nik Dimitrakopoulos is managing the E/E & Infotainment subdivisions at Rohde & Schwarz with a focus on next generation In-vehicle networks. Nik is an active member of the OPEN Alliance group focusing on 1000BASE-T1 and MultiGig Ethernet activities as well as the TG17 work group of ETSI focusing on radio broadcast standards.

Mike Schnecker, Oscilloscope Technologist Rohde & Schwarz

Mike Schnecker has more than two decades experience in the test and measurement industry in applications, sales and product development roles. He specializes in all things oscilloscope related, especially signal integrity applications including jitter and timing. Prior to joining Rohde & Schwarz, Mike held positions at LeCroy and Tektronix. In 2014 Mike won a Best Paper Award in the Interconnect Design & Test category at DesignCon for his paper on "Real Time Jitter Measurements."

### Beginn:

Dienstag, 16. März 2021, 09:00 Uhr

### Ende:

Dienstag, 16. März 2021, 10:00 Uhr

### Veranstaltungsort:

Online

### Website & Anmeldung:

[https://event.on24.com/wcc/r/3032864/2328B7F8B62D27BC488AE302DA1752E4?partnerref=hq\\_si\\_mm-15507](https://event.on24.com/wcc/r/3032864/2328B7F8B62D27BC488AE302DA1752E4?partnerref=hq_si_mm-15507)

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