

**2026 IEEE Standards Association (IEEE SA)
Ethernet & IP @ Automotive Technology Day
14-15 October 2026
Swedish Exhibition & Congress Centre (Svenska
Mässan) and Gothia Towers
Gothenburg, Sweden**

**PRESENTATIONS AND EXHIBITION
PROGRAM
CENTRAL EUROPEAN TIME ZONE**

**Last Updated: 5 June 2026
(SUBJECT TO CHANGE WITHOUT NOTICE)**

DAY 1: WEDNESDAY, 14 OCTOBER 2026 F4 AND F5/ LEVEL 2	
9:00 - 10:00 CET	Opening: Master of Ceremonies /Welcome <i>Rudi Schubert, IEEE Standards Association</i> <i>Samuel Sigfridsson, Volvo Cars</i> <i>Alwin Bakkenes, Keynote Speaker from Volvo Cars</i>
	SAFETY & SECURITY
10:00 - 10:30 CET	Possibilities and Challenges Using Ethernet in a Fail Operational System Solution <i>Hoai Hoang Bengtsson, Volvo Cars</i> <i>Joacim Bergman, Volvo Cars</i> <i>Samuel Sigfridsson, Volvo Cars</i> <i>Steffen Lorentz, NXP</i>
10:30 - 11:00 CET	COFFEE BREAK (VISIT EXPO HALL/LEVEL 2)
11:00 - 11:30 CET	Optimizing MACsec Key Agreement for 10BASE-T1S <i>Isaac Molina, OPEN Alliance (ADI)</i> <i>Guillermo Oliver, OPEN Alliance (ADI)</i> <i>Friedrich Wiemer, OPEN Alliance (Bosch)</i> <i>Jonathan Ndop, OPEN Alliance (Bosch)</i> <i>Hari Parmar, OPEN Alliance (Infineon)</i> <i>Prabhakar Kushwaha, OPEN Alliance (Infineon)</i> <i>Peter Decker, OPEN Alliance (Vector)</i> <i>Thomas Malik, OPEN Alliance (Vector)</i>
11:30 - 12:00 CET	Zero-Trust Automotive Ethernet: Securing Safety-Critical Communications in Software-Defined Vehicles <i>Muhammad Zunnurain Hussain, Bahria University Lahore Campus</i> <i>Muhammad Zulkifl, Hasan University of Central Punjab</i>
	NETWORK AND ARCHITECTURE
12:00 - 12:30 CET	Mixed RCP and Traditional ECU Deployment Scenarios Using Common Secure 10Base-T1s Infrastructure <i>Kristian Ehlers, Microchip Technology</i>
12:30 - 14:00 CET	LUNCH VISIT EXHIBITION EXPO HALL/LEVEL 2
14:00 - 14:30 CET	Mixed Traffic Design for Ensuring Real-Time Control Communication and Responsive Diagnostic Communication Over 10BASE-T1S - Toward Scalable Deployment from CAN/CAN-FD in Next-Generation Vehicle Architectures <i>Hideki Goto, Toyota Motor Corporation</i> <i>Yuki Wakida, Toyota Motor Corporation</i>

14:30 - 15:00 CET	Extensible Automotive Networks without Dynamic Reconfiguration Offering Multiple Pre-Configured Data Highways Available at Run-Time <i>Carsten Weich, Elektrobit</i> <i>Daniel Thiele, Elektrobit</i>
15:00 - 15:30 CET	COFFEE BREAK (VISIT EXPO HALL/LEVEL 2)
15:30 - 16:00 CET	OEMs EE Architectures Getting Closer to Adopt 10BASE-T1S and IEEE 1722 with TC18 (RCP) Will Allow Legacy Networks to be Replaced <i>Hari Parmar, Infineon</i> <i>Hoai Hoang Bengtsson, Volvo Cars</i> <i>Prabhakar Kushwaha, Infineon</i>
	VALIDATION AND TEST
16:00 - 16:30 CET	Deploying gPTP in Production Autonomous Vehicles: Monitoring, Multi-Domain, and Constraints <i>Ian Hartwig, Zoox</i> <i>Austin Hendrix, Zoox</i>
16:30 - 17:00 CET	Presenting the Exhibitors <i>Infineon Technologies – 5 minutes</i> <i>Intrepid Control Systems – 5 minutes</i> <i>Panel Set up (20 minutes)</i>
17:00 – 18:30 CET	Panel
19:00 - 21:30 CET	Networking Dinner IMAGINE RESTAURANT GOTHIA TOWERS 29TH FLOOR

	DAY 2: THURSDAY, 15 OCTOBER 2026 F4 AND F5/ LEVEL 2
	TSN
9:00 - 9:30 CET	Audio Over Ethernet in Zonal Vehicle Architectures <i>Nikolaos Dimitrakopoulos, NXP</i> <i>Karthik Sivaramakrishnan, NXP</i>
9:30 - 10:00 CET	Getting FRER Right: Configuration Challenges for Reliable TSN Deployments <i>Lisa Maile, Technische Universiteit Eindhoven (TU/e)</i> <i>Marc Boyer, ONERA</i> <i>Nicolas Navet, University of Luxembourg</i> <i>Leo Séguin, RealTime-at-Work</i>
	SERVICE-ORIENTED ARCHITECTURE/SOFTWARE
10:00 - 10:30 CET	Accelerating Automotive Ethernet with RoCEv2 <i>Brian Petersen, Ethernovia</i>
10:30 - 11:00 CET	COFFEE BREAK (VISIT EXPO HALL/LEVEL 2)
11:00 - 11:30 CET	Transforming OTA for SDV: How Central and Zonal Architectures Unlock Scalable, Faster, and Simpler SOTA <i>Max Turner, Ethernovia,</i> <i>Amit Shah, Ethernovia,</i> <i>Anil Dhonde, Ethernovia</i>
	YANG, SDN
11:30 - 12:00 CET	Zero Trust for Automotive Ethernet - From MACsec to SDN-Managed Security <i>Friedrich Wiemer, Robert Bosch GmbH</i> <i>Florian Wagner, ETAS GmbH</i>
12:00 - 12:30 CET	Proposal for a standardized 10BASE-T1S Dynamic Node Configuration Protocol <i>Francis IELSCH, Microchip Technology</i>
12:30 - 14:00 CET	LUNCH VISIT EXPO HALL /LEVEL 2
14:00 - 14:30 CET	An End-to-End Vehicle Network Model: Unified Approach Using YANG <i>Ricardo Kamm, Robert Bosch GmbH</i> <i>Friedrich Wiemer, Robert Bosch GmbH</i> <i>Mukunda Gopal, ETAS GmbH</i> <i>Florian Wagner, ETAS GmbH</i>

PHYSICAL LAYER	
14:30 - 15:00 CET	A Study on Relaxation of 10BASE T1S Wiring Constraints for CAN Replacement <i>Kazushi Ueda, JASPAR (Mazda)</i> <i>Takumi Nomura, JASPAR (Honda)</i> <i>Hideki Goto, JASPAR (Toyota)</i>
15:00 - 15:30 CET	COFFEE BREAK (VISIT EXPO HALL/LEVEL 2)
15:30 - 16:00 CET	Evaluating Cable Construction and Bundle Effects on 10BASE-T1S Signal Integrity in Automotive Harnesses <i>Safal Sharma, Molex LLC</i> <i>Kadry, Haysam, Molex LLC</i> <i>Ashraf Umar, Molex LLC</i>
16:00 - 16:30 CET	Improving Predictive Maintenance in ADAS Sensor Networks through Runtime Optical Link Monitoring <i>Luis Medina, KD Tech</i> <i>Juan L. Matus, KD Tech</i>
16:30 CET	Closing Remarks Master of Ceremonies <i>Rudi Schubert, IEEE Standards Association</i>
VISIT THE EXHIBITION EXPO HALL /LEVEL 2 9:00 - 17:00 CET	

CATEGORIES	
NETWORK AND ARCHITECTURE	YANG, SDN
VALIDATION & TEST	SAFETY & SECURITY
TSN	SERVICE-ORIENTED ARCHITECTURE/SOFTWARE
PHYSICAL LAYER	

Selected Back Up Presentations	
Securing SOME/IP Communication in Modern Automotive Ethernet <i>Lars Völker, Technica Engineering</i>	Computation and Communication Co-Processing for Adaptive TSN in Future Automotive Ethernet <i>Xiangye Wei, TAF Circuits</i>
(Let us) Take a Deeper Look at the Backbone <i>Christoph Gollob, BMW</i>	Is DetNet Really Unnecessary for Automotive Ethernet? <i>Yoshihiro Ito, Nagoya Institute of Technology</i>