

**Day 1 | 1 June 2022**

	ROOM MUNICH	ROOM CHICAGO	ROOM FRANKFURT
09:00 - 09:15	<b>Welcome – Opening remarks moderated by Dr. Kirsten Matheus, BMW   Dr. Ingo Kuss, WEKA FACHMEDIEN</b>		
09:15 - 10:45	<p><b>Session 1: Keynotes</b></p> <p><b>09:15 More than ever: the In-vehicle Electrics and Electronics Need to be Safe and Secure</b> Martin Arend, BMW Group</p> <p><b>09:45 Insight into the future of automotive Ethernet as seen by an OEM and a tier 2</b> Nicolas Morand, Stellantis   Xiaoting Li, Stellantis   Hari Parmar, Marvell</p> <p><b>10:15 Denso's In-Vehicle Ethernet Technology for Future E/E Architecture</b> Yasuhiro Kotani, Denso</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>09:15 PLUGFEST 10 MB/S by invitation only</b> Stefany Chourakorn, Germán Ferreira, BMW Group With the participation of ADI, Canova Tech, dSpace, Marvell, Microchip, OnSemi, Realtek, Rohde &amp; Schwarz, Vector.</p>	
10:45 - 11:15	<b>Coffee Break – Networking at the exhibition</b>		
11:15 - 12:45	<p><b>Session 2: EE-ARCHITECTURE AND ZONES</b></p> <p><b>11:15 Signal-Oriented ECUs in a Centralized Service-Oriented Architecture: Scalability of the Layered Software Architecture</b> Dr. Hoai Hoang Bengtsson, Volvo Cars   Prof. Nicolas Navet, University of Luxembourg   Dr. Jörn Migge, RealTime-at-Work</p> <p><b>11:45 TC10 sleep and wake-up in the zone - a system solution with 10BASE-T1s and CAN</b> Steffen Lorenz, NXP Semiconductors Germany GmbH</p> <p><b>12:15 Symbiosis of hardware and software to cope with IP routing challenges</b> Illia Safiulin, Elektrobot Austria GmbH   Thorsten Hoffleit, Renesas Electronics Europe GmbH</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>11:15 PLUGFEST 10 MB/S by invitation only</b> Stefany Chourakorn, Germán Ferreira, BMW Group With the participation of ADI, Canova Tech, dSpace, Marvell, Microchip, OnSemi, Realtek, Rohde &amp; Schwarz, Vector.</p>	<p><b>WORKSHOP 1</b></p> <p><b>11:15 – 12:45 Fundamentals of Fiber Optics Connectivity</b> Thomas Theuerkorn, Corning</p> 
12:45 - 14:00	<b>Lunch Time – Networking at the exhibition</b>		
14:00 - 15:30	<p><b>Session 3: TSN</b></p> <p><b>14:00 Ethernet TSN meets service oriented zonal architectures</b> Frank Bähren, CARIAD</p> <p><b>14:30 Zone-Based Automotive Backbone</b> Marcus Pietzsch, Fraunhofer IPMS</p> <p><b>15:00 Role of Digital Simulation in Configuring the Network Parameters</b> Prof. Deepak Shankar, Mirabilis Design Inc</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>14:00 PLUGFEST 10 MB/S by invitation only</b> Stefany Chourakorn, Germán Ferreira, BMW Group With the participation of ADI, Canova Tech, dSpace, Marvell, Microchip, OnSemi, Realtek, Rohde &amp; Schwarz, Vector.</p>	<p><b>WORKSHOP 3</b></p> <p><b>14:30 – 15:30 PAVE 360 - A paradigm Shift in autonomous driving verification with a Digital Twin</b> <b>SIEMENS</b> Tapan Vikas, Siemens EDA GmbH</p>
15:30 - 16:00	<b>Coffee Break – Networking at the exhibition</b>		
16:00 - 18:00	<p><b>16:00 An analytical method for TSN with focus on control traffic in automotive</b> Leila Jürgensen, Ruetz System Solutions GmbH</p> <p><b>16:30 Can there be a role for the Time-Aware-Shaper in an Automotive Network?</b> Max Turner, Ethernovia</p> <p><b>17:00 IEEE 1722: Tunneling of Legacy Communication</b> Josef Newald, Robert Bosch GmbH</p> <p><b>17:30 Challenges of testing and implementing TSN within a network secured by MACsec</b> Marty Gubow, Keysight Technologies   Ionel Ghita, Keysight Technologies</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>16:00 PLUGFEST 10 MB/S by invitation only</b> Stefany Chourakorn, Germán Ferreira, BMW Group With the participation of ADI, Canova Tech, dSpace, Marvell, Microchip, OnSemi, Realtek, Rohde &amp; Schwarz, Vector.</p>	
18:00 - 20:00	<b>GET TOGETHER WITH NETWORKING</b>		

**Day 2 | 2 June 2022**

	ROOM MUNICH	ROOM CHICAGO	ROOM BANGKOK
08:30 - 09:00	<b>WELCOME – Coffee at the exhibition</b>		
09:00 - 10:45	<p><b>Session 4: PHY LAYER</b></p> <p><b>09:00 Development of Greater than 10 Gb/s 26 AWG Shielded Twisted Pair Cable</b> Nobuaki Kochi, SWCC SHOWA CABLE SYSTEM CO, LTD.</p> <p><b>09:30 Challenges and Complexities of 10GBASE-T1 Automotive Ethernet Testing and Compliance Verification</b> Curtis Donahue, Rohde &amp; Schwarz</p> <p><b>10:00 Shared OFDM based Ethernet multi-gigabit automotive data bus for future IVN architectures</b> Dr. Helmut Kellermann, BMW Group   Christoph Arndt, Continental Automotive GmbH</p> <p><b>10:15 Demonstration of an Enhanced Automotive Ethernet PHY with OFDM Modulation for IVN Architectures</b> Raphi Zadicario, LUMISSIL Microsystems</p> <p><b>10:30 Automotive Optical Ethernet Reaching for 50 Gb/s</b> Carlos Pardo, KDPOF Knowledge Development for POF, S.L.</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>09:00 PLUGFEST 10 MB/S open to public</b> Stefany Chourakorn, Germán Ferreira, BMW Group With the participation of ADI, Canova Tech, dSpace, Marvell, Microchip, OnSemi, Realtek, Rohde &amp; Schwarz, Vector.</p>	<p><b>WORKSHOP 2:</b></p> <p><b>09:30 – 10:30 Exploring the Managed Switch’s Role in Automotive / TSN – A Hands-on Workshop with the RAD-Epsilon and 88Q6113</b> John Simon, Intrepid Control Systems</p> <p> <b>INTREPID CONTROL SYSTEMS</b> www.intrepid-dcs.com</p>
10:45 - 11:15	<b>Coffee Break – Networking at the exhibition</b>		
11:15 - 12:00	<p><b>11:15 Copper or Optical Fiber? Which is more Suitable for the Next Generation Automotive Multi-Gigabit Ethernet Connectivity?</b> Jamila Josip Borda, BMW Group</p> <p><b>11:30 Camera Ethernet bridge to enable software-centric vehicle</b> Amir Bar-Niv, Marvell</p> <p><b>11:45 Asymmetrical Ethernet for Automotive Sensors and Displays</b> Kamal Dalmia, Aviva Links Inc.</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>11:15 PLUGFEST 10 MB/S open to public</b> Stefany Chourakorn, Germán Ferreira, BMW Group</p>	
12:00 - 12:45	<b>PANEL DISCUSSION on the topic "PHY Trends"</b> moderated by Patrice Ancel, BMW		
12:45 - 14:00	<b>Lunch Time – Networking at the exhibition</b>		
14:00 - 15:00	<p><b>Session 5: AUTOSAR</b></p> <p><b>14:00 Progress on the AUTOSAR Adaptive Platform for Intelligent Vehicles</b> Manfred Zajicek, AUTOSAR</p> <p><b>14:30 Ethernet Service-oriented Architectures: Segregation of Services</b> Dr. Ahmed Majeed Khan, Siemens Digital Industries Software</p>	<p><b>PLUGFEST 10 MB/S</b></p> <p><b>14:00 PLUGFEST 10 MB/S open to public</b> Stefany Chourakorn, Germán Ferreira, BMW Group With the participation of ADI, Canova Tech, dSpace, Marvell, Microchip, OnSemi, Realtek, Rohde &amp; Schwarz, Vector.</p>	
15:00 - 16:00	<p><b>Session 6: SECURITY</b></p> <p><b>15:00 Identifying Safety and Security threats in Automotive Communication System</b> Vaishnavi Shankar, ELC labs</p> <p><b>15:30 Transitioning towards zonal EE-architecture by ignoring Security and Safety</b> Dr. Siddharth Shukla, ESCRYPT GmbH   Manfred Kunz, NXP Semiconductors Germany GmbH</p>		
16:00 - 16:45	<p><b>CLOSING REMARKS: Closing Session</b></p> <p><b>16:00 Results from the 10BASE-T1S plugfest. And the winner is ...?</b> Stefany Chourakorn, Germán Ferreira, BMW Group</p> <p><b>16:30 Closing remarks moderated by Dr. Kirsten Matheus, BMW</b></p>		