AUTOMOTIVE E T H E R N E T CONGRESS February 12-13, 2020



Wednesday, February 12, 2020

0:00-10:30 Meshing of the Networks: The impact of Merging In-Vehicle Communications Networks Mike Yotts, Molex 0:30-11:30 COFFEE BREAK AND NETWORKING IN THE EXHIBITION Mike Potts, Molex 10:30-11:30 Early-stage Bottleneck Identification and Removal in TSN Networks Dr. Hoai Hoang Bengtson, VOLVO; Dr. Jörn Migge, RealTime-at-Work; Prof. Nicolas Navet, University of Luxembourg 11:30-12:30 Virtualizing Network Functions of the In-Vehicle Network Dr. Hoai Hoang Bengtson, VOLVO; Dr. Jörn Migge, RealTime-at-Work; Prof. Nicolas Navet, University of Luxembourg 12:30-12:30 TCP/IP and Other Higher-Layer Protocols via CAN Holger Zeltwanger, CAN in Automation 12:30-12:30 TCP/IP and Other Higher-Layer Protocols via CAN Holger Zeltwanger, CAN in Automation 12:30-13:30 ESSION 3 / SECURITY & SAFETY Holger Zeltwanger, CAN in Automation 4:30-15:30 Ethernet Security, the Protocols and its Challenges Dr. Karsten Schmidt, AUDI; Harald Zweck, Infineon 15:30-16:30 Experience and Lessons Learned from Firewall and Intrusion Detection System Development for Automotive Ethernet Ramona Jung, Siddharth Shukla; ESCRYPT 16:00-18:30 Workshop 1: Automotive Ethernet and Service-Oriented E/E Architectures Daniel Gebauer, Varas Marcelino; Vector Informatik 16:00-18:30 Workshop 2: Automotive Ethernet Debugging, Compliance Testing and Switch Latency Measurements		· · · · · · · · · · · · · · · · · · ·					
SESSION 1 / NETWORK & ARCHITECTURE D9:30-10:00 Do we Really Need an All-IP Car? Thomas Liebetrau, Tobias Islinger; Infineon 01:00-10:30 Meshing of the Networks: The Impact of Merging In-Vehicle Communications Networks to Support the Future Need for Adaptive Applications Mike Potts, Molex 01:30-11:00 COFFEE BREAK AND NETWORKING IN THE EXHIBITION Mike Potts, Molex 01:30-11:30 Early-stage Bottleneck Identification and Removal in TSN Networks Dr. Hoai Hoang Bengtsson, VOLVO; Dr. Jörn Migge, RealTime-at-Work; Prof. Nicolas Navet, University of Luxembourg 01:30-11:30 Virtualizing Network Functions of the In-Vehicle Network Dr. Hoai Hoang Bengtsson, VOLVO; Dr. Jörn Migge, RealTime-at-Work; Prof. Nicolas Navet, University of Luxembourg 01:30-11:30 Virtualizing Network Functions of the In-Vehicle Network Dr. Hoai Hoang Bengtsson, VOLVO; Dr. Jörn Migge, RealTime-at-Work; Prof. Nicolas Navet, University of Luxembourg 01:30-11:30 Virtualizing Network Functions of the In-Vehicle Network Dr. Christian Herber, Manfred Kunz; NXP SESSION 2 / LAYERS 3, 4 Dr. Christian Herber, Manfred Kunz; NXP 12:30-14:00 LUNCH BREAK AND NETWORKING IN THE EXHIBITION 12:30-14:00 Febrenet Fuzzing – Challenges and Best Practices Ibrahim Memis, Robert Bosch 44:30-15:00 12:50-16:00 SESSION 3 / SECURITY 6 SAFETY	08:55-09:00	Welcome	Elektronik automotive				
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8:00-20:00 GET-TOGETHER AND NETWORKING IN THE EXHIBITION	16:00-18:00	Workshop 6: Automotive Ethernet Switch Training	John Simon, Intrepid				
	18:00-20:00	GET-TOGETHER AND NETWO	RKING IN THE EXHIBITION				

Thursday, February 13, 2020

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09:00-09:30	Keynote					
	SESSION 4 / VALIDATI	ON & TEST				
09:30-10:00	nsuring Security of Data Communication in an IVN and Comparing the Choice of Encryption Techniques Avik Bhattacharya, Keysight					
10:00-10:30	AVB/TSN Testing Strategy	B/TSN Testing Strategy from Semiconductor up to ECU and System Level Martin Heinzinger, Ruetz System Solution				
10:30-11:00		COFFEE BREAK AND NETWORKING IN THE EXHIBITION				
SESSION 5 / LAYER 2						
11:00-11:30	When GATE's Misbehave f	or IEEE 802.1Qbv Impleme	ntation		Tanu	ıman Bhaduri, Keysight
11:30-12:00	Achievable Accuracy of gP [•]	FP Synchronization over P	Cle		Tho	orsten Hoffleit, Renesas
12:00-12:30	Choosing the Right TSN To	hoosing the Right TSN Tool(s) to Meet a Network's Bounded Latency Requirement Don Pannell, NXP				
12:30-14:00	2:30-14:00 LUNCH BREAK AND NETWORKING IN THE EXHIBITION					
SESSION 6 / PHY						
14:00-14:30	utomotive Ethernet and SerDes Technologies – Friends or Foes? Stefan Brunner, Claude Gauthier; Automotive SerDes Alliance (ASA)					
14:30-15:00	ptical Multi-Gigabit Ethernet – on the Verge of Standardization and Implementation Carlos Pardo, KDPOF					
15:00-15:30		COFFEE BREAK AND NETWORKING IN THE EXHIBITION				
15:30-16:00		e Need for Asymmetrical Data Transmission – An Evolutionary Step for Automotive Ethernet? Jürgen Röder, Continental Automotive				
16:00-16:30	10BASE-T1S: The Solution	BASE-T1S: The Solution for Introducing Ethernet to Low-Speed Network Takashi Yasuda, JASPAR (Toyota, Nissan, Honda and Mazda)				
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Sessions | February 13, 2020

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Contact:

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