



TSN/A CONFERENCE 2017 | TECHNOLOGY & APPLICATIONS

September 20-21, 2017 · Mövenpick Hotel Stuttgart Airport & Messe · Germany

Wednesday | September 20, 2017

Room: Zürich

09:00-09:45	Keynote: Time-Sensitive Networking (TSN) – Enabling Technology for the Automation Model of the Future Wolfgang Schenk, Hirschmann Automation and Control
Related to IEEE Activities on TSN	
09:45-10:15	Time Synchronization on wired and wireless infrastructure Dr. Kevin Stanton, Intel Corporation
10:15-10:45	Bounded, Low Latency in IEEE 802.1 and IETF DetNet Dr. Janos Farkas, Ericsson
10:45-11:15	BUSINESS BREAK AND NETWORKING IN THE EXHIBITION
11:15-11:45	Data Reliability and Redundancy Don Pannell, Marvell
11:45-12:15	TSN System Configuration and Resource Management – A Bottomless Pit? Stephan Kehrer, Hirschmann Automation and Control
12:15-13:45	LUNCH BREAK AND NETWORKING IN THE EXHIBITION
13:45-14:30	Keynote: The Use of AVB and TSN in the Automotive Industry Dr. Kirsten Matheus, BMW
TRACK 2	
14:30-15:00	TSN Demands on Industrial System Architectures Steve Zuponcic, Rockwell Automation
15:00-15:30	Current Deployments of Real-Time AVB Media Networks Bernd Schindler, Ingenieurbüro Schindler
15:30-16:00	BUSINESS BREAK AND NETWORKING IN THE EXHIBITION
16:00-16:30	Insights on the performance and configuration of AVB and TSN in automotive applications Dr. Jörn Migge, RealTime-at-Work
16:30-17:15	Panel Discussion: On-going Activities in Industrial Consortia Host: Todd Walter, National Instruments
17:15-19:00	EVENING MIXER IN THE EXHIBITION

Thursday | September 21, 2017

	TRACK 3	Room: Zürich 2+3	TRACK 4	Room: Zürich 1
09:00-09:30	Theory of Operations for TSN-based Industrial Systems and Applications Eric Gardiner, National Instruments		Synchronous sensor fusion of radar, camera, and LIDAR for automotive control system design validation Frank Heidemann, SET; Michael Konrad, Konrad Technologies	
09:30-10:00	Mission-Critical Automotive TSN Network Topology Using Redundant Data Paths and Clock Domains Shrikant Acharya, Excelfore		Open Source for Open Standards, TSN Gavin Hindman, Intel Corporation	
10:00-10:30	"No audio issue" – a quick guide on what can go wrong in Automotive AVB Ethernet Amplifier Martin Gazda, NXP Semiconductors		Experiences from the IIC TSN testbed for Flexible Manufacturing Paul Didier, Cisco	
10:30-11:00	BUSINESS BREAK AND NETWORKING IN THE EXHIBITION			
11:00-11:30	Nanoseconds in HW or Microseconds in SW, which is tougher? Tommy Cook, Calnex Solutions		Converging Industrial Fieldbus Networks and OPC UA on a Single TSN Network Georg Stöger, ITTech Computertechnik	
11:30-12:00	How to measure slave clock accuracy using the various IEEE and AVnu approved methods Alon Regev, Ixia		The goals of integration of TSN into PROFINET Xaver Schmidt, PROFIBUS Nutzerorganisation	
12:00-12:30	Constrained Devices – Scaling Ethernet Technologies Tom Weingartner, Analog Devices		TSN – Potentials and challenges for the use in Industrial Automation Peter Zahn, University of Stuttgart	
12:30-14:00	LUNCH BREAK AND NETWORKING IN THE EXHIBITION			
14:00-14:45	Keynote: TSN and OPC – Changing the Structures of Automation Technology: A Roadmap Stefan Schönegger, B&R			
14:45-15:15	Panel Discussion: The value of application-focused testing and also certification of TSN implementations, from Si to Systems Host: Gary Stuebing, Cisco			
15:15-15:45	BUSINESS BREAK AND NETWORKING IN THE EXHIBITION			
15:45-16:15	Accelerate Your TSN-Aware SoC Development with Certified Ethernet IP John Swanson, Synopsys		TSN – Deployment in modular and reconfigurable Industry 4.0 environments André Hennecke, SmartFactory-KL	
16:15-16:45	Behind the curtain: Maintaining and troubleshooting commercial A/V networks using TSN Marco Hendel, Biamp		Ethernet Traffic Classes to Support In-Vehicle Automotive Networking Dr. Gordon Bechtel, Bechtech	

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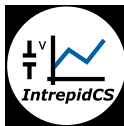


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Will the TSN/Realtime additions to Ethernet become the standard for Industry 4.0 manufacturing? Which parts of the TSN standards will find broad-based use in the automobile industry and in the professional A/V markets? The speakers at the TSN/A Conference on September 20-21 in Stuttgart will delve into these and other important questions with presentations that we believe will help you decide the right path for your company.

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Registration

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I want to register for:*

- Wednesday | September 20, 2017:**
 Evening Mixer
- Thursday | September 21, 2017:**
 Track 3 Track 4

Venue: Mövenpick Hotel Stuttgart Airport & Messe,
Flughafenstraße 50, 70629 Stuttgart, Germany

TSN/A Conference 2017

Conference fees	
One day (Sep 20 or 21)	€ 790
Full Conference	€ 1,190

All fees excluded VAT

Terms and Conditions:

For further details please find the terms and conditions at www.tsnaconference.de.

- The attendance fee includes participation on the booked conference days, proceedings, lunch and refreshments.
- You will receive a confirmation of your conference registration along with your invoice.
- Cancellations received in writing before or on August 29, 2017 will be subject to a service charge of EUR 50 for one-day registrations and EUR 100 for two-day registrations. For all cancellations received after August 29, 2017 the full conference fee remains payable. Substitutions within the same company are welcome at any time.
- The organizers reserve the right to make changes in the program and/or speakers or to cancel sessions if conditions beyond its control prevail. Please check www.tsnaconference.de for the latest conference information.
- Students: Students are granted a 50 % reduction, student ID required. Please submit by fax to + 49 (0) 89 255 56 0725 or by email to VKoehler@weka-fachmedien.de.
- For registrations of five persons and more from one company, please contact our conference department for special rates.
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Please note: In order to be registered you have to fill in all required fields marked with an asterisk *. (A confirmation email will be sent to you)

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