IEEE ETFA 2022 Workshop 10: "Enabling robust, converged networks for Industry 4.0"

Start	End	Duration (minutes)	Topic	2nd demo in parallel	Lead
Welcome and introduction to the workshop					
11:00	11:10				
Time-Sensitive Networking					
11:10		20	TSN part 1: Ethernet TSN fundamentals		Fraunhofer IOSB-INA
		10	TSN part 2: Converged OT and IT traffic in TSN networks with brownfield PROFINET RT devices		KU Leuven
		5	Q&A		
		15	1a Demo: Ethernet TSN-preemption live demonstration	1b	Fraunhofer IOSB-INA
		15	1b Demo: OT/IT traffic in brownfield TSN vs. PROFINET RT, including measurement methods	1a	KU Leuven
		10	Interactive discussion		
	12:25				
Lunch break					
12:30	14:00				
Single Pair Ethernet - Robustness of industrial networks against EMI					
14:00		25	Robustness against EMI: narrowband and wideband testing versus real life interference		UGent
		5	Redundancy for robustness: TSN.1CB		KU Leuven
		20	Single Pair Ethernet: Fundamentals - Some measurement methods		KU Leuven
14:50	15:10	20	**Coffee Break & Interactive Discussion, between the demo setups**		
15:30		20	2a Demo: Ethernet, RS485 and SPE under EMI ...		UGent
		10	2c Demo: TSN.1CB (plus HSR & MRP)		KU Leuven
		15	2b Demo: SPE measurements		KU Leuven
		10	Interactive discussion		
	16:25				
OPC UA PubSub					
16:25		20	OPC UA PubSub in TSN networks		TH OWL - inIT
		15	3a Demo: OPC UA TSN on field level devices		TH OWL - inIT
		5	Interactive discussion		
	17:05				