



## For Immediate Release

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### **AVnu Alliance Members Showcase the First Multivendor Interoperability Demonstration of the AVnu AVB Automotive Profile**

**Beaverton, OR – April 19, 2016** – Members of [AVnu Alliance](#), the industry consortium driving open, standards-based deterministic networking, publically demonstrated interoperability of systems designed to meet the AVnu Automotive Profile at the Automotive Ethernet Congress held in Munich, Germany on February 3-4, 2016. The demo featured products and solutions from several AVnu Alliance members: [Ixia](#), a leading provider of network testing, visibility, and security solutions, [Marvell Technology Group](#), a leading provider of complete silicon solutions, and [NXP Semiconductors](#), a leading provider of secure connectivity solutions for embedded applications.

This demonstration marked the successful showcase of a maturing AVnu ecosystem for the worldwide automobile market. The showcase is based on the AVnu AVB Automotive Profile which is a specification for the use of the IEEE AVB standards that provides an integrated overall networking solution for the automotive market. The AVnu AVB Automotive Profile brings these standards together so as to meet the need for fast vehicle start-up and reliable operation of automotive infotainment systems. Automotive suppliers and OEMs can use the AVnu AVB Automotive Profile to simplify requirements specification, enable faster time-to-market, lower costs, and ease integration.

The demonstration at Automotive Ethernet Congress featured the AVnu Automotive multi-media profile through six endpoints (audio source, digital amplifier, grand master clock, etc). The setup included real and emulated AVB talkers and listeners from NXP and Ixia communicating over a network of AVB bridges from Marvell and NXP, all AVnu Alliance members. The demonstration is a milestone showcasing automotive AVB/TSN is a technology that is ready for use in production, and has been validated by multi-vendor implementations of the same system profile. It also highlighted the automotive Ethernet specific physical layer, Institute of Electrical and Electronics Engineers (IEEE) 100BASE-T1 (Ethernet running at 100Mbps over a single twisted pair),

Highlighting the benefits of AVB/TSN for the automotive space, the demonstration featured precise synchronization, delivery of time-sensitive streams, bandwidth and latency guarantees. The demonstration is validation that AVB/TSN is the low-cost, high-performance networking technology for the automotive industry. The technology enables car makers to use the same Ethernet network for real-time and non-real-time communications, at much higher speeds than previous automotive busses.

#### **About AVnu Alliance**

*The AVnu Alliance is a community creating an interoperable ecosystem of low-latency, time-synchronized, highly reliable networked devices using open standards. AVnu creates comprehensive certification programs to ensure interoperability of networked devices. The foundational technology enables deterministic synchronized networking based on IEEE Audio Video Bridging (AVB) / Time Sensitive Networking (TSN) base standards. The Alliance, in*

*conjunction with other complimentary standards bodies and alliances, develops complete solutions in professional AV, automotive, industrial control and consumer segments.*

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