Multi-Gig Automotive Ethernet PHY
Call for Interest

IEEE 802.3 Ethernet Working Group

November 7, 2016

San Antonio, TX

Call for Interest

Advanced Electronic Architectures for autos are being designed using 100BASE-T1, 1000BASE-T1, and PoDL to support Advanced Driver Assist Systems (ADAS) with fully-autonomous operation as the end goal. This level of performance requires supercomputer-levels of processing power with corresponding high-performance sensor networks. 4K and 8K uncompressed video streams for machine vision and infotainment, radar, LIDAR, and ultrasonic sensors must all be "fused" into a coherent picture of the car's external environment. In-vehicle networks supporting operation at multi-gigabit speed will be required to carry this traffic. Due to the long design and qualification cycles, work needs to start now to insure that these solutions will be available when needed..

Logistics

- Consensus building meeting
  - Tuesday, November 8, 2016
  - 6:30PM to 7:30PM
  - Room: Texas AB