Implementation Interest at Componentality

Alex Petrescu (speaker)
Konstantin Khait
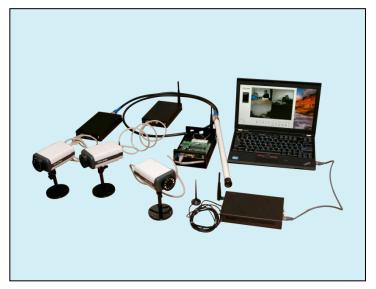IETF 88, in Vancouver, Canada,
on November 5th, 2013

OpenWAVE Initiative

- Need contributors to software implementations (currently proprietary and non-interoperable)

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What Do ITS and Automotive Communications Markets Need?

❑ **Actually there's a common V2X low level exchange standard and public implementations**

❑ **However for wide introduction of V2X to ITS, collision prevention and general applications high level standard needed**

❑ **Now we have IEEE1609 (and several others), but implementations are proprietary and now interoperable**

Automotive and ITS market needs OSS implementation of IEEE 1609 WAVE

Geographic Mesh

❑ **DSCR-based mesh is the most advanced method to transport big amounts of data in VANETs**

❑ **Full-scale "all-to-all" mesh has extra redundancy, loads network with auxiliary traffic and always unnecessary as only few connections are physically possible**

❑ **Each DSRC-equipped vehicle usually has GNSS-receiver and knows its location and movement parameters**

Geographic Mesh optimization is one of the most urgent needs in VANET field