octoScope Joins the CETECOM Open Lab Alliance

octoScope joins Open Lab Alliance to collaborate with key wireless vendors on the advancement and deployment of DSRC and high speed MIMO wireless technologies

Littleton, MA, June 8, 2016 – octoScope, the leading vendor of controlled environment wireless testbeds, has joined the CETECOM Open Lab Alliance (OLA). As a founding member of the OLA, octoScope has made available its octoBox wireless testbed for testing wireless devices and systems. octoBox is being used by wireless operators, device manufacturers and chipset vendors to test Wi-Fi, LTE, ZigBee, Bluetooth and automotive wireless technologies, including 802.11p.

The octoBox wireless testbed accurately emulates real-world environment, including interference, path loss, multipath and motion. It is a unique compact testing platform with excellent environment for very high throughput MU-MIMO (multi-user multiple input multiple output) and beamforming testing. This video overview of the octoBox testbed explains the comprehensive list of octoBox test applications in detail.

“The Open Lab and its members are committed to freely serve those who desire to advance V2X technology and the interoperability of such.” says Robert Johnson, Director of Automotive programs for CETECOM. OLA is a cooperative collaboration that offers engineers and designers full access to test tools in a semi-private environment. With many PlugFest and PlugTest events occurring quarterly, OLA is available year round at no cost to the end user.

octoScope’s octoBox wireless testbed allows engineers to emulate vehicle motion, including velocity and GPS position, to test behavior and performance of IEEE 802.11p based DSRC radios. Having this test capability in the OLA is key toward addressing 802.11p performance.

As part of the octoBox testbed, octoScope’s iGen interference generator can be used to test the impact of interference from Wi-Fi systems on the mission-critical 802.11p operation, should Wi-Fi be permitted by the FCC to share the licensed DSRC band.

“Our engineers are available to work alongside our OLA guests to assist them in their testing”, said Fanny Mlinarsky, President of octoScope. “We work collaboratively with other member companies of the OLA to deliver complete testing solutions for the emerging V2X applications.”

octoScope is holding a monthly seminar series at the OLA, exploring topics on wireless technologies, standards and test methods.

About octoScope

octoScope is the leading supplier of controlled environment wireless testbeds to companies building and deploying wireless devices and networks. octoScope is the market leader in accurate and repeatable automated testing solutions, and is the recipient of a National Science Foundation award. Our patented technology redefines the accuracy, stability, economics and value of over-the-air wireless testing.

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About Open Lab Alliance

The Open Lab Alliance (OLA) is membership organization comprised of best of breed test and simulation tools that desire to advance the CV and AV technologies via collaboration and resource sharing. By providing access to complex tools, we can accelerate deployment, enable product development and promote useful standards.

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