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PRESS CONTACTS

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PRESS RELEASE

Open House Seminar: Advancing OTA Testing – Research Challenges and Solutions for Connected Cars Sept. 20-21, 2018, at TU Ilmenau / ThIMo, Germany

Wireless connectivity has become a key strategic axis for automotive companies. A disruptive competitive landscape challenging the product life cycle of vehicles, requires innovation, speed and reliability in wireless connectivity research, development, and testing.

Together for the first time, MVG and TU Ilmenau / ThIMo (Thuringian Center of Innovation in Mobility) offer the opportunity to gain exclusive insight into automotive Over-The-Air (OTA) testing & measurement through a seminar covering valuable best practices and high-level problem-solving skills in this field of expertise.

SAVE THE DATE!
2018 / 09 / 20 > 21
TU ILMENAU, GERMANY

**Open House Day Seminar:
Advancing Automotive
OTA Testing -
Research Challenges
and Solutions
for Connected Cars**

mvg
MICROWAVE VISION GROUP

TECHNISCHE UNIVERSITÄT
ILMENAU

Thüringer Innovationszentrum
MOBILITÄT

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Today, modern vehicles are becoming more and more like a wireless technology hub equipped with a multitude of transmission systems, including vehicle-to-everything communications (V2X). Fast, accurate, and reliable characterization as well as digital verification & validation of connected and automated cars and their manifold wireless transmission functions raise new and stringent requirements on advanced techniques for radio measurements and installed system performance evaluation with OTA testing in virtual environments.

For years, MVG has provided turn-key test solutions for the automotive industry. The MVG SG3000 is unique on the market in its ability to rapidly characterize the wireless connectivity and OTA performance of full vehicle with high accuracy. With advanced post-processing software providing a wide range of specific features, MVG empowers the automotive development and manufacturing ecosystems, from component / platform suppliers to system / product integrators, to enhance their product wireless connectivity performance.

The Thuringian Centre of Innovation in Mobility (ThIMo) at the TU Ilmenau addresses advanced R&D issues of connected and automated driving on a world-class level in two of its five core competences: Wireless and information technologies, and automotive engineering. Based on its trendsetting research infrastructure and expertise, in 2015, ThIMo initiated the foundation of the Virtual-Drive-Test Alliance (VDT Alliance), a cross-industry forum representing 24 worldwide active companies and research institutions. MVG was one of the first-day members of the VDT Alliance and has been actively shaping their activities in virtual drive testing.

In a joint effort, MVG and TU Ilmenau / ThIMo will host this free seminar and bring insight into state-of-the-art automotive wireless testing and antenna measurement post-processing tools. This unique event offers an opportunity for the participants to interact directly with TU Ilmenau and MVG experts and other invitees from the automotive antenna industries across Europe. Participants will be invited to take part in the **"Virtual Drive Testing" hands-on workshop performed in the VISTA** (Virtual Road – Simulation and Test Area) **multi-purpose test facility**, where they will be assisted by antenna measurement specialists and gain relevant theoretical and practical hands-on experience.

Another highlight of the event will be the signing ceremony of a Memorandum-of-Understanding (MoU) between the VDT Alliance, represented by TU Ilmenau as a Member of the VDT Steering Board, and the 5G Automotive Association (5GAA). This MoU paves the way for an exchange of information, mutual attendance at meetings, connection of research networks and R&D partnerships, as well as joint projects on subjects of common interest between the two powerful associations.

To learn more please visit: <http://mvg-world.com/autoday>

Please make a note in your diary!

Date: September 20 & 21, 2018

**Venue: ThIMo at Technische Universitaet Ilmenau
Ehrenbergstr. 15
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Germany

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About TU Ilmenau / ThIMo

The Technische Universität Ilmenau represents a nearly 125 years old tradition in engineering sciences. In 1992, the University received the status of a University of Technology (“Technische Universität”). Technologies, economics, and media form the pillars of today’s research and education. According to recent rankings and ratings, the TU Ilmenau is found among the top third of German Universities in terms of indicators like third-party funding, patent applications, academic excellence, and research infrastructure.

As an effective means to enhance the scientific profile of the University, the Thuringian Centre of Innovation in Mobility (ThIMo) was established in 2011 and has been attracting multi-million € funding, secured until 2022 at least. The Centre comprises five core competences, including “Automotive engineering” and “Wireless and information technologies”. ThIMo operates first-class research infrastructure in these fields.

The Virtual Road – Simulation and Test Area (VISTA) is composed of an electromagnetically shielded semi-anechoic chamber spacious enough to accommodate mid-sized cars. VISTA contains also an EMC-compatible turntable and is equipped with a modern antenna measurement facility covering a range of frequencies from 70 up to 6000 MHz. Future extensions address research activities in the area of emulation of satellite navigation for testing of robust satellite navigation receivers, and measurements of the bi-static radar cross-section of cars and vulnerable road users between 400 MHz and 80 GHz.

For more information: www.mobilitaet-thueringen.de

About Microwave Vision

Since its creation in 1986, The Microwave Vision Group (MVG) has developed a unique expertise in the visualization of electromagnetic waves. These waves are at the heart of our daily lives: Smartphones, computers, tablets, cars, trains and planes – none of these devices and

vehicles would work without them. Year after year, the Group develops and markets systems that allow for the visualization of these waves, while evaluating the characteristics of antennas, and helping speed up the development of products using microwave frequencies. The Group's mission is to extend this unique technology to all sectors where it will bring strong added value. MVG is structured around 3 departments: AMS (Antenna Measurement Systems), EMC (Electro-Magnetic Compatibility), EIC (Environmental & Industrial Control). MVG is present in 10 countries, and generates 90% of sales from exports. The Group generated revenues of € 71 million in 2017.

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www.mvg-world.com

About VDT Alliance

The VDT Alliance is a cross-industry alliance of antenna, test, measurement, and simulation, telecommunication, and design houses devoted to establishing virtual-drive test methodologies for the end-to-end system performance evaluation of connected cars. The VDT Alliance originated in 2015 from research activities around the Thuringian Centre of Mobility at the Technische Universitaet Ilmenau. The Alliance with its 24 member institutions is presently pursuing steps to establish a legal association. In view of the growing relevance of wireless technologies of all kinds, the objectives of the VDT Alliance are to develop, test, and promote virtual-drive test solutions, initiate their standardization and accelerate their commercial availability and global market penetration, to address society's needs in future mobility and traffic arising from automated and connected driving.

For more information: www.tu-ilmenau.de/vdt-alliance

About 5GAA

The 5G Automotive Association (5GAA) is a global, cross-industry organisation of companies from the automotive, technology, and telecommunications industries (ICT), working together to develop end-to-end solutions for future mobility and transportation services. Since its inception, 5GAA has rapidly expanded to include key players with a global footprint in the automotive, technology and telecommunications industries. This includes automotive manufacturers, tier-1 suppliers, chipset/communication system providers, mobile operators and infrastructure vendors. Diverse both in terms of geography and expertise, 5GAA's members are committed to helping define and develop the next generation of connected mobility and automated vehicle solutions.

For more information: <http://5gaa.org/>
