For Immediate Release

Radiant Presents Solutions for Emerging Display Test Challenges at Automotive Visual and Display Technologies USA

REDMOND, Wash. – March 20, 2018 — Radiant Vision Systems, a leading provider of visual test and inspection systems for displays and illuminated components, announces that it will present methods for in-vehicle display testing at the Automotive Visual and Display Technologies USA event taking place March 26-28, 2018, at the Sheraton Hotel in Ann Arbor, Michigan, USA. Radiant Automotive Business Leader, Matt Scholz, will present innovative new approaches to improving display design and quality control in "New Measurement Methods to Solve Emerging Display Test Challenges," scheduled from 3:20-4:00 PM on Conference Day One, Monday, March 26.

The evolution of automotive manufacturing has diversified the scope and role of displays in the vehicle. Displays come in a variety of shapes and sizes; appearing in mirrors, encompassing the entire dashboard, as free-form OLED and LCD technologies, and as head-up displays (HUDs) in the windshield. These integrations introduce new considerations for quality testing to ensure adequate display performance in design and production. Non-rectangular displays undergo new mechanical stresses that can introduce unforeseen defects, or defects in areas not previously observed in standard flat panel displays (FPDs). These defects include new manifestations of dead pixels and line defects, or mura (blemishes) in new locations on the display. Additionally, as displays are integrated at larger scale and within all areas of the vehicle, new view angles and ambient light conditions have a much greater impact on display visibility. As these challenges emerge, display test methods must be refined to evaluate a broader range of display characteristics.

"There are a growing number of concerns when it comes to evaluating automotive display quality," says Scholz. "Displays represent a much larger portion of the real estate within today's vehicles, and therefore have a much more significant impact on vehicle operation and brand perception if imperfections are evident. To ensure quality, display test systems must accommodate new display sizes and shapes; meaning more comprehensive spatial measurement capability. For each new display technology or feature, a specific measurement method must be defined. At Radiant, we have taken our photometric measurement systems to the lab to characterize new display types and standardize test methods to address emerging challenges. We now have methods for characterizing and correcting view-angle-dependent uniformity of OLED displays, quantifying the effect of sparkle (caused by anti-glare layers) on display quality, and capturing complete photometric and dimensional measurements required for HUD evaluation."

For information or to register for Automotive Visual and Display Technologies USA, visit automotive-display-usa.iqpc.de. Learn more about Radiant Vision Systems at www.RadiantVisionSystems.com.

22908 NE Alder Crest Drive, Ste. 100
Redmond, WA 98053 USA
Tel:+1.425.844.0152
www.RadiantVisionSystems.com

About Radiant Vision Systems
Radiant Vision Systems works with world-class brands and manufacturers to deliver creative visual inspection solutions that improve quality, reduce costs, and increase customer satisfaction. Radiant's legacy of technology innovation in photometric imaging and worldwide install base date back more than 25 years and address applications from consumer electronics to automotive manufacturing. Radiant Vision Systems product lines include TrueTest™ automated visual inspection software for quality control, and ProMetric® imaging colorimeters, photometers, and light source measurement systems. Radiant is headquartered in Redmond, Washington, USA, with strategic offices in China and South Korea. Radiant has been a part of Konica Minolta's Sensing Business Unit since August 2015. For more information, visit www.RadiantVisionSystems.com.

Press Contact:
Shaina Warner
Creative Marketing Specialist
Radiant Vision Systems
+1 (425) 844-0152 x587
Shaina.Warner@RadiantVS.com

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