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Autonomous Vehicle LIDAR Thermal Design and Field Durability Prediction Addressed

Electronics reliability pioneer, Dr. Craig Hillman, to speak at Mentor's IESF Conference

Beltsville, MD – June 5, 2018 – DfR Solutions, leader in quality, reliability, and durability (QRD) solutions for the electronics industry, today announced that Dr. Craig Hillman, CEO of DfR Solutions will present *Autonomous Vehicle LIDAR Thermal Design and Field Durability Prediction* at the [Integrated Electronics Solution Forum \(IESF\) Conference](#) in Plymouth, MI on September 19th, 2018.

Dr. Hillman's presentation explores reliability and durability studies for important autonomous vehicle electronics sensors using virtual prediction, physics of failure methods, electronics cooling thermal simulation data, vibration analysis, and other inputs for statistical system evaluation. These methods provide greater insight into improving product quality and reliability during design and ensuring durability and safety throughout the product lifecycle with less prototype testing.

The Integrated Electrical Solutions Forum is a global conference sponsored by Mentor, a Siemens business. Engineers, managers, and executives in the electronics industry will be present for this international meeting. The IESF conference will include several guest speakers, as well as technical breakout sessions, panels, and networking events. Dr. Hillman is a world-renowned expert in the field of electronics reliability.

"In autonomous vehicles, the ability to reliably predict the expected lifetime of electronics and systems is critical to overall user safety", stated Hillman. "Integrating reliability physics tools such as [Sherlock Automated Design Analysis™ software](#) early in the design phase is a key step to ensuring product durability and quality." He adds, "Innovative technology is paramount to success, but we must be sure that these technologies are safe and reliable, first and foremost."

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About Sherlock Automated Design Analysis™ Software

Sherlock is the first-of-its-kind Automated Design Analysis software for analyzing, grading, and certifying the expected reliability of products at the circuit card assembly level. Based on Reliability Physics, it is used by the electronics industry across all markets. Sherlock continues to evolve, incorporating new innovations and enhancements allowing users to manage increasingly complex analyses faster and more efficiently than ever before. For more information on Sherlock visit www.dfrsolutions.com/what-is-sherlock.

About DfR Solutions

DfR Solutions has world-renowned expertise in applying the science of Reliability Physics to electrical and electronics technologies and is a leading provider of quality, reliability, and durability (QRD) research and consulting for the electronics industry. The company's integrated use of Reliability Physics and Best Practices provides crucial insights and solutions early in product design and development and throughout the product life cycle. DfR Solutions specializes in providing knowledge- and science-based solutions to maximize and accelerate the product integrity assurance activities of their clients in every marketplace for electronic technologies (consumer, industrial, automotive, medical, military, telecom, oil drilling, and throughout the electronic component and material supply chain). For more information regarding DfR Solutions, visit www.dfrsolutions.com.

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