



For Immediate Release

Radiant Webinar Presents Principles of Light and Color Measurement for Product Design and Quality Control

REDMOND, Wash. – June 18, 2018 — Radiant Vision Systems, a leading provider of test and measurement solutions for lighting and displays, announces that it will host a webinar to present the background, principles, and applications of light and color measurement methods that match human visual perception. The webinar, titled "[Principles of Light and Color Measurement](#)," will be broadcast live on Tuesday, June 26, 2018, from 9 AM PDT (12 PM EDT). The broadcast includes a technical presentation by Radiant Product Manager, Shannon Roberts, followed by a live audience question and answer session.



“When designing a product—like a light source or a display—the target audience and ultimate judge of quality is the same: human vision,” says Roberts. “It follows then that manufacturers would use optical measurement systems that replicate the human visual experience as close as possible to achieve the optimal design and quality of their products. A method of optical metrology known as photometry describes light and color measurement in the context of human vision. Technology for photometric measurement uses various methods to capture and weigh wavelengths of light the way the cones in our eyes do. Based on these methods, we can capture values of light in a mathematical context in order to set design parameters, and targets for quality. Photometric technology allows us to determine what a human would say is a good or bad quality product, and more precisely measure a range of acceptable tolerances.”

At Radiant’s upcoming webinar, Roberts will explain how human vision has guided the development of principles of mathematical photometry. She will present the properties of light, how they stimulate the human eye, and automated technology used in design and quality control of lighted devices. She will also provide an example of how to quantify color values based on standard CIE tristimulus curves, which can be used in photometric applications. Roberts has a thorough knowledge of light and color measurement using [imaging colorimeters](#), and her understanding of light theory has guided customers in defining technical parameters for display and illuminated component inspection in industries from consumer electronics to automotive.

For information about Radiant’s upcoming webinar and to register for the live broadcast on June 26, visit 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

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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.

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