



MEDIA ADVISORY

June 19, 2018

**Excelitas Technologies to Present and Showcase New IR-emitting Light Source, Sensor and Laser Technology at Sensors Expo**

**WHO:** [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, will highlight its latest light source, sensor and laser innovations at [Sensors Expo and Conference](#). Excelitas' Senior Application Specialist Richard Simons will also present a session entitled, "[Aerospace Performance in Consumer Volumes: The Challenge of Automotive LiDAR](#)," during the conference's Sensor Live Theater on Thursday, June 28 at 1:30 p.m.

**WHAT:** Products on display at Excelitas' Sensors Expo Booth #1022 include:

- [NEW Cermax IR Lamp](#): Debutting at Sensors Expo, the new IR-emitting light source offers flexibility, far-field projection and a wide range of performance response for security, environmental monitoring and other applications. The next-generation Cermax IR leverages Excelitas' broad experience with IR-emitting light sources to offer the widest, most flexible array of versatile noble fill-gases available, including Krypton and different-ratio mixes of Xenon/Krypton. Technology enhancements and extended gas-fill capabilities in the Cermax IR product line enable very long ranges and emissions over a broader field in comparison to other products on the market.
- [CaliPile™ Multi-Function Infrared Sensor](#): The intelligent CaliPile Sensor is uniquely designed to combine motion detection, presence detection and temperature measurement – all in one compact digital thermal infrared package. It features selectable frequency filters and levels that allow users to set the product into one of the three major operation modes, each of which can be set into individual use cases to achieve custom operations. Built with an integrated filter, CaliPile can work without the need for additional lenses.
- [1X4 Pulsed Laser Diode Array](#): The 1X4 Laser Diode Array for LiDAR applications combines field-proven high-efficiency, multi-cavity laser chip technology with small form-factor surface mount device (SMD) packaging for applications requiring high reliability such as autonomous vehicles and drones. Its 1X4 linear configuration minimizes space requirements in the assembly to enable smaller, less costly optical components. The array is fully compatible with SMD pick-and-place and reflow soldering equipment, allowing it to seamlessly integrate into high-volume, low-cost assembly lines.
- [C30737MH Series Surface-Mount Silicon Avalanche Photodiode \(APD\)](#): Featuring a robust, compact package in standard or custom configurations to meet customer requirements, the C30737MH APD is designed for high-volume, high-performance, cost-sensitive product designs that require maximal range at consumer price points. Available in 230µm and 500µm active area sizes, C30737MH APDs offer high responsivity from 500nm to 1000nm, extremely fast rise times and cut-off frequency >1 GHz for precision laser applications.



Company experts will be on site or available by phone in advance of the conference to provide updates on its innovative sensor solutions.

**WHEN:** June 27 – 28, 2018

**WHERE:** [McEnergy Convention Center](#), San Jose, CA. Excelitas Booth #1022.

For more information about Excelitas products, visit [www.excelitas.com](http://www.excelitas.com).

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### **About Excelitas Technologies**

Excelitas Technologies Corp. is a global technology leader focused on delivering innovative, high-performance, market-driven photonic solutions to meet the lighting, detection and optical technology needs of global customers. From biomedical technology to research laboratory, safety and security, consumer products, semiconductor, energy and environment, industrial sensing & imaging, defense and aerospace, Excelitas Technologies is committed to enabling our customers' success in their end-markets. Excelitas Technologies acquired Qioptiq in 2013 and now has approximately 6,000 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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