



Excelitas Technologies to Present at SPIE Optics + Photonics

Session to Detail the Time Related Parameters for the Silicon Geiger Mode Avalanche Photodiode (APD) with Low K Factor

WALTHAM, Mass., July 25, 2017 – [Excelitas Technologies® Corp.](#), a global technology leader focused on delivering innovative, customized photonic solutions, today announced that the company will present “Time Jitter and Time Walk in SLiK APD: Characterization, Measurements and Implications for Single Photon Counting Applications” at [SPIE Optics + Photonics](#) at the San Diego Convention Center, August 6 – 10, 2017.

Excelitas’ Product Manager of Low-light-level Detection Solutions Bernicy Fong, Senior Member of Technical Staff, R&D Murray Davies, and Senior Technical Associate, R&D Pierre Deschamps will present the study of the time related parameters specifically for the Silicon Geiger mode APD with low K factor. Time jitter and time walk can be affected by several factors. The data for temperature, operating voltage, wavelength of photons and light spot size are the focus of this study. When optimizing these parameters, there will be trade-offs for the desired performance. Understanding this APD’s behaviors will help end-users better employ the detector in some key single photon counting applications.

The “Time Jitter and Time Walk in SLiK APD” presentation will be included in the Nanoscience + Engineering Plenary Symposium during the Single Photon Detectors and Counters I Session 2 moderated by José Luis Pau Vizcaíno, Univ. Autónoma de Madrid (Spain), which takes place on Wednesday, August 9 from 10:50 a.m. – 12:20 p.m. The conference agenda is available at: <http://spie.org/OPN/conferencedetails/optical-sensing-imaging-photon-counting-nanostructured-devices-applications#session-2>.

For more information about Excelitas, visit 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 other technology needs of global customers. From biomedical technology to research laboratory, safety and security, consumer, semiconductor, industrial, energy and environment, as well as defense and aerospace applications. Excelitas Technologies is committed to enabling our customers’ success in their end-markets. Excelitas Technologies has approximately 5,500 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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