



PerkinElmer Launches “L3D” Low Light Level Detection Solutions Platform for Clinical Diagnostics, Life Sciences and Molecular Imaging Applications

Nürnberg, Germany - Sensor + Test 2010 - Hall 12, Stand No. 503- At the 17th annual Sensor + Test Fair this week in Nürnberg, Germany, [PerkinElmer, Inc.](#), a global leader focused on improving the health and safety of people and the environment, today announced the debut of an innovative solutions platform for demanding Low Light Level Detection applications, called "L3D."

PerkinElmer's suite of L3D applications solutions contribute to human and environmental health in a range of applications including, [confocal microscopy](#), fluorescence and luminescence, [molecular/PET imaging](#), [nucleic acid amplification](#), [particle sizing](#), and research and scientific instrumentation.

PerkinElmer's growing range of low light level detection solutions leverages the Company's growing range of photon detection technologies and products including avalanche photodiodes (APDs), single photon counting modules (SPCMs), channel photomultipliers (CPMs), and silicon photomultipliers (SiPMs), ideally suited to demanding clinical diagnostics, molecular imaging and analytical instrumentation needs.

L3D highlights at Sensor + Test will include:

- New Short Wavelength-Enhanced Si-APD - PerkinElmer's [APDs](#) are ideal for low light level detection applications. Our newest large area short wavelength-enhanced Si-APD is intended for use in demanding molecular imaging and fluorescence detection applications.
- Gigahertz Photon Detection Module (GPDM) - Designed for analytical and clinical diagnostic applications under low light level conditions. The new GPDM delivers the highest dynamic range available in a single operating mode and very low noise.
- [Single Photon Counting Modules \(SPCMs\)](#) - Our cutting-edge SPCMs deliver high Photon Detection Efficiencies (PDE) and very low dark noise for confocal microscopy, particle sizing and time-correlated single photon counting (TCSPC) applications.
- Silicon Photomultipliers (SiPMs) - PerkinElmer recently entered into an exclusive agreement with Max Planck Innovation for the licensing of its ultra-fast, low cross-talk SiPM technology. The technology offers record-setting PDE and ultra-short response time. SiPMs offer OEMs a solid state alternative to traditional PMTs in terms of sensitivity and cost.

For more information about PerkinElmer's photon detection capabilities, please go to www.perkinelmer.com/PhotonDetection.

About PerkinElmer, Inc.

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$1.8 billion in 2009, has around 8,800 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through www.perkinelmer.com or 1-877-PKI-NYSE.

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