Press release

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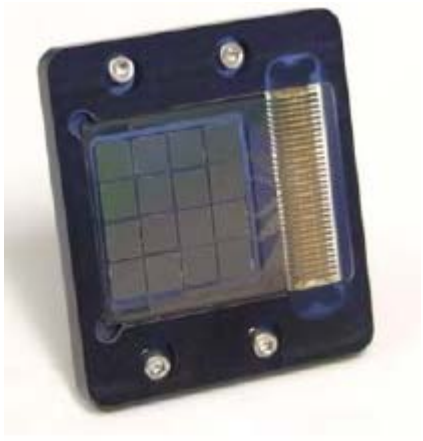
Laser 2000 exhibits at
Booth 5055

SensL introduces the first commercially available, solid-state large array detector based on silicon photomultiplier technology

Wessling, 02. January 2008, SensL, a provider of innovative low light detectors and modules, announced the release of their latest product, the **Position Sensitive Silicon Photomultiplier Array** (SPMArray). The SPMArray is the first commercially available, solid-state, large array detector based on silicon photomultiplier technology.



SPMArray

The SPMArray will be of particular interest to developers of detector systems for applications such as PET, Gamma Camera, and Radiation Detection for medical and security purposes and to those working with fluorescence applications requiring very sensitive detector arrays.

The SPMArray is an arrayed version of SensL's novel Silicon Photomultiplier (SPM) pixels tiled together using flip chip technology on glass. The performance and specification characteristics of each pixel are similar to SensL's other SPM products. The device is sensitive to visible light in the range of 400nm to 850nm and is suited to applications requiring direct light detection at these wavelengths or for radiation detection via scintillators.

The SPMArray is mounted in a low-profile housing and includes a Molex board-to-board connector through which the output signal of each pixel is addressed separately. The module can be supplied with appropriate interface / preamplifier electronics for each analog channel and a power supply (option).
While the standard version has 16 channels (each 3mm x 3mm) and a total area of 1.3cm x 1.3cm, the design is flexible and can be customized in 1D and 2D array formats depending on application requirements. Whether your application calls for a 1D array for spectrometry or a 2D array for large area detection and spatial sensitivity, the SPMArray is a novel detector solution and the ideal replacement for MCPs, Multi-Anode PMTs, APDs, and existing discrete SPM products.

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About SensL

SensL's broad range of detector technologies in analog SPM and digital Photon Counting are designed to suit the current and emerging market for low light sensors. At the core of every SensL detector is a low light sensing silicon photodiode that is capable of converting single photons into a measurable output signal. SensL uses dedicated fabrication processes to manufacture these sensors to provide the highest degree of sensitivity and device uniformity, which is only possible with silicon CMOS processing techniques from SensL.

About Laser 2000

LASER 2000 GmbH specializes in distribution of laser sources, accessories, components and instrumentation in the area of industrial vision equipment, fibre optics, instrumentation, telecommunications, measuring devices, scientific research etc.
Our products are designed to meet the challenges of both research and industrial production as well as your actual or future requirements of your applications. Laser 2000 is headquartered in Munich, Germany and operates local offices in all major business areas of the European market. In order to support your application we deliver top-level service and products and meet the highest standard of quality. With an installed base of thousands of applications around the world, Laser 2000 has shown the ability to provide onsite-support in time.

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