





Picometer Resolution

Powered by Virtually Imaged Phase Arrays (VIPAs), LightMachinery's HyperFine spectrometers offer single shot, picometer resolution laser spectrum analysis.



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Telescope

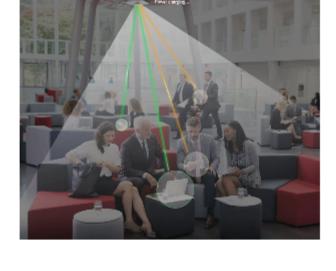
Nanostructures

Charging Potential A wireless charger overcomes some of the challenges that have

Wireless Power Transfer System Brings Automated

hindered previous attempts to develop safe and convenient on-the-go charging systems. Tests showed that the system could transfer 400 mW of light power over distances of up to 30 m. This power is sufficient for charging sensors, and with further development, it could be increased to levels necessary to charge mobile devices.

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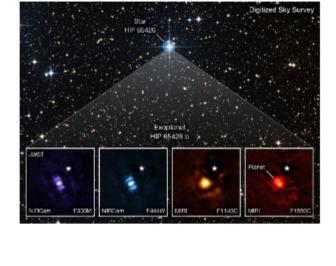


planet outside our solar system. The image, shown through four different light filters, demonstrates how the telescope's infrared

NASA Reveals First Exoplanet Images Taken by Webb

Astronomers from the University of Exeter in the U.K. used NASA's James Webb Space Telescope to capture the first direct image of a

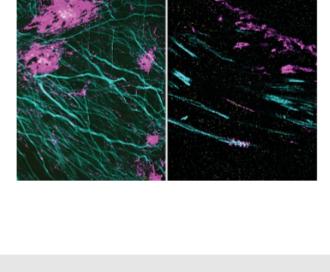
capabilities can lead the way to observations that will reveal more information than previously possible about exoplanets. Read Article



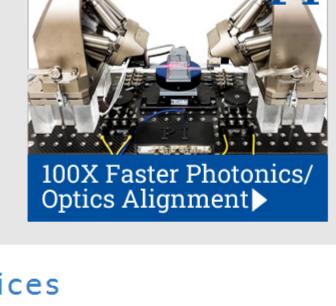
Inside a living cell, proteins and other molecules are often tightly packed together. These dense clusters can be difficult to image because the fluorescent labels used to make them visible can't wedge

Expanding Expansion Microscopy to Reveal Hidden

themselves in between the molecules. Researchers at MIT developed a method to overcome this limitation by expanding a cell or tissue sample prior to labeling, effectively de-crowding the molecules and making them more accessible to fluorescent tags. Read Article







Processing

NYFORS Teknologi AB

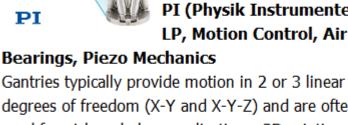


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PI (Physik Instrumente)

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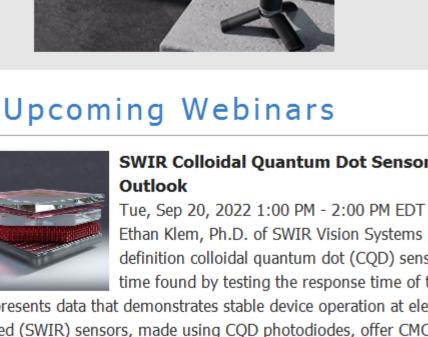
REVOPOINT MINI

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PAPERS

Wed, Sep 21, 2022 1:00 PM - 2:00 PM EDT Spectral domain optical coherence tomography (SD-OCT) is commonly used for ophthalmologic applications, particularly in the diagnosis and treatment of macular degeneration. It is also

consistently used in research for new applications in both medical and manufacturing sectors. Heidi

Spectral Domain Optical Coherence Tomography Spectrometers for Today and

new applications that can be unlocked with further development. The limitations of the available products are also explored specifically in reference to how the boundaries can be pushed to achieve better quality data with relaxed performance requirements. Register Now

Olson of Ibsen Photonics discusses some of the methods currently available to achieve better SD-OCT images, as well as the

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