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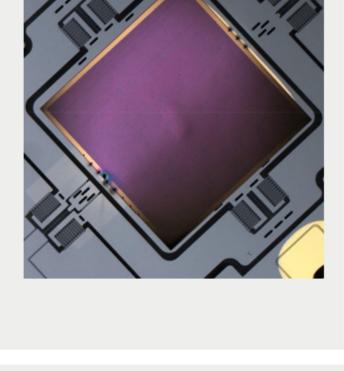
🍎 Apple Rubber

Learn how

Lens-on-MEMS Technology Could Lead to More Compact Optical Devices

Researchers have built a metasurface-based lens on top of a MEMS platform, creating a "lens-on-MEMS" device that focuses light in the MIR spectrum. The MEMS-integrated metasurface lens combines the

best features of both technologies while reducing the size of the optical system.



Polarization State Is Characterized on Attosecond Scale

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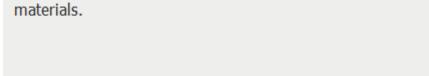




Researchers have characterized the exact polarization state of light on

short, rotating pulses of light to learn more about the inner structure of

the attosecond timescale. This discovery could facilitate the use of

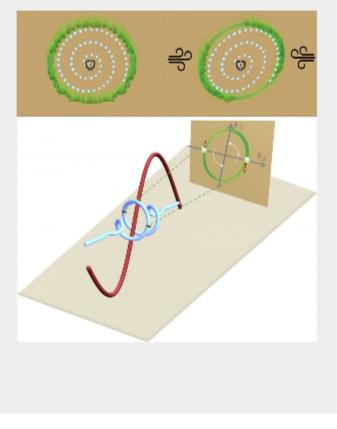


Precise Imaging of Optical Frequencies Using

An imaging technique combining spectroscopy with high-resolution microscopy to produce rapid, precise measurements of quantum

behavior in an atomic clock has been developed. Physicists believe the

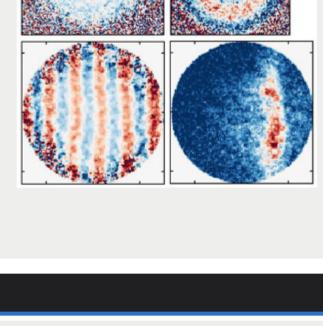
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technique could improve atomic clock precision and provide a path toward measuring many-body interactions and testing fundamental physics.

Spectroscopy and Microscopy

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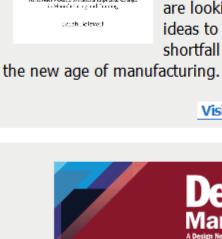
sCMOS technology, the pco.panda 4.2 bi reaches a

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The New

Collar

Workforce result, manufacturers and educators are looking for real, actionable



shortfall and realize the potential of

The New Collar Workforce

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million skilled workers by the year

2020, according to reports. As a

ideas to train workers, reduce the

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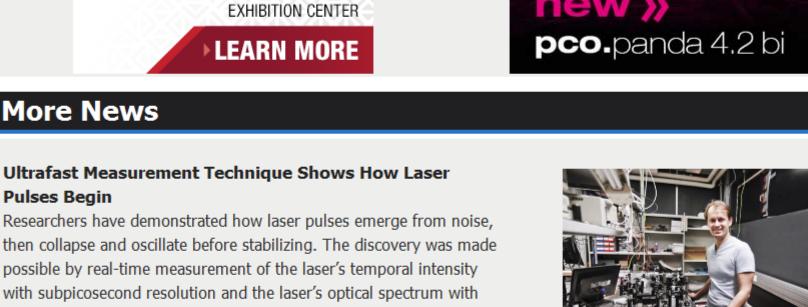
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possible by real-time measurement of the laser's temporal intensity with subpicosecond resolution and the laser's optical spectrum with

Changes An optical tool that can read metabolism at subcellular resolution could be used to identify specific metabolic signatures indicative of disease. The method detects functional and structural metabolic biomarkers noninvasively using endogenous two-photon excited fluorescence

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