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Top Stories

Lead to New Metamaterials

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The HyperFine Spectrometer, Brillouin spectroscopy.

Lithography, DNA Used to Build Structures That Could

that could lead to new classes of optical materials and devices. Their technique combines the traditional fabrication method of top-down

Researchers have developed a technique for creating optical structures

lithography with a new method, programmable self-assembly driven by DNA.

Using Optical Fibers to 3D Print Microstructures

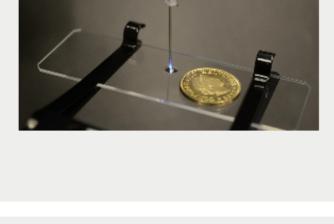


axial printing resolution. The approach could one day be used to build

tiny biocompatible structures inside the human body.

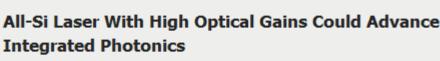
Researchers have used ultrathin optical fibers to create microscopic

structures via laser-based 3D printing. The microstructures, which were created on a microscope slide, exhibited a 1.0-µm lateral and 21.5-µm



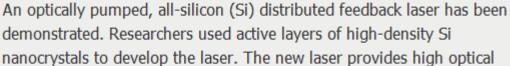
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gains, overcoming the low efficiency that has been historically exhibited in Si emission.

Featured Products The HyperFine Spectrometer

LightMachinery Inc. Designed for measuring hyperfine

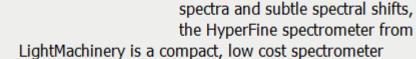


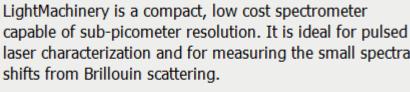
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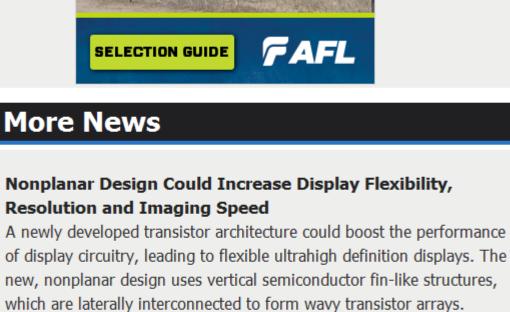
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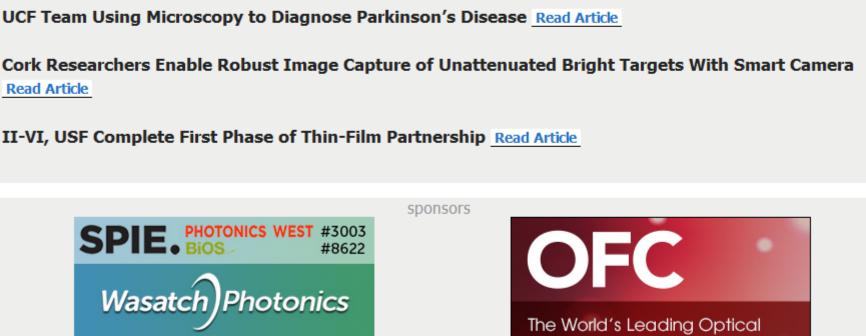
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absorption and introduce materials and techniques for applying optically black coatings that demonstrate ultralow reflectance across a broadband spectra. The presenter, who worked on the development

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of a number of coating processes for NASA, will provide examples of how low-reflectance technology is currently being used in the visible, NIR and IR wavelengths. Register Now sponsors

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