

Optics Tech Pulse is a special edition newsletter from Photonics Media and LaCroix Precision Optics covering key developments in optics technology.



Five-Year Search for Dark Energy Begins

The Dark Energy Spectroscopic Instrument (DESI) has begun its five-year search for dark energy. The device, housed at Kitt Peak National Observatory near Tucson, Ariz., will aim its robotic array of 5000 fiber optic "eyes" at the night sky to gather and study the light from tens of millions of galaxies and other distant objects within the universe.

Read Article



PROMOTED LaCroix Precision Optics **Custom Precision Aspheres**

LaCroix Precision Optics specializes in ground and polished aspheres. We employ various top-of-the-line aspheric machinery that utilizes

unique kinematics to reduce mid-spatial frequencies and improve form error. By utilizing our prototype expedited delivery service (PEDS), we're able to provide quick turn aspheres...



Request Info Visit Website

Ultralow-Loss Mirrors Boost Spectroscopy, Detection

Collaborators from the University of Vienna, The University of Kansas, and Thorlabs have demonstrated high-performance laser mirrors in the mid-infrared range that absorb fewer than 10 out of a million photons. The mirrors' properties show promise for high-sensitivity applications, such as sensitive molecular spectroscopy.

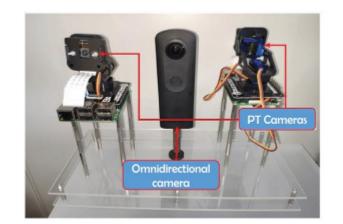
Read Article



Camera System Combines Wide Field of View with High-Res Capture

A hybrid camera system built by researchers at Shibaura Institute of Technology (SIT) combines wide-angle target monitoring with high-resolution image capture.

Read Article



3D-Printed Microlenses Correct Color Distortions in Small-Scale Images

Researchers from the University of Stuttgart used a 3D-printing process called two-photon lithography to make highly precise lenses that are just a few micrometers in size and that reduce chromatic aberrations.

Read Article

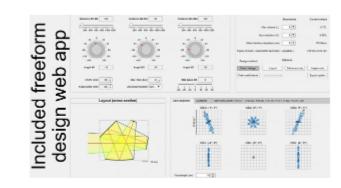


Deterministic Approach Reduces Error Potential in Freeform Design Process

developed a deterministic direct optical design method for freeform imaging systems.

Researchers at Brussels Photonics (B-PHOT), Vrije Universiteit Brussel, Belgium,

Read Article

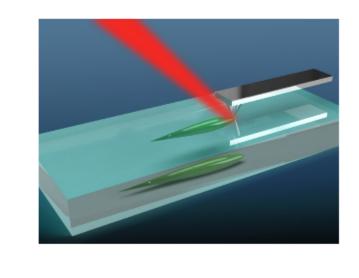


the Nanolevel A spectroscopy technique created by collaborators from Penn State, Southwest

Spectroscopy Technique Reveals Glass Surface Damage at

University of Science and Technology (SWUST), and neaspec GmbH has enabled the study of nanolevel imperfections in the surface of glass.

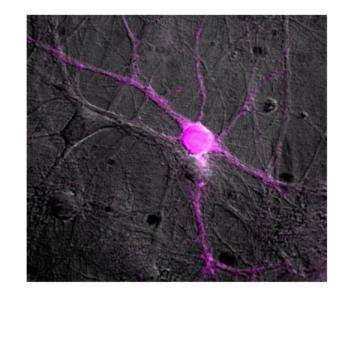
Read Article



Communication Pathways A mosquito-derived protein discovered by scientists at the Weizmann Institute of

Organic Optogenetics Tool Shines Light on Brain's

Science provides precise, spatiotemporal control of synaptic activity in the brain. The protein's use as an optogenetics tool could further scientists' understanding of the functional roles of specific neuronal pathways. Read Article















of our website, Photonics.com. You may use the links below to manage your subscriptions or contact us.

Questions: info@photonics.com Unsubscribe | Subscribe | Subscriptions | Privacy Policy | Terms and Conditions of Use

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949 © 1996 - 2021 Laurin Publishing, All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office.

Reproduction in whole or in part without permission is prohibited.

