



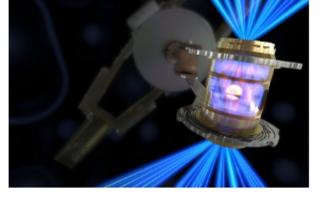




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NIF Scientists Claim Repeat Fusion Breakthrough

Scientists at Lawrence Livermore National Laboratory (LLNL) and the National Ignition Facility (NIF) have reportedly advanced last December's laser fusion breakthrough result. For the second time, scientists obtained more energy from a fusion reaction than the process consumed — achieving a so-called net energy gain. Read Article



Colorado State University (CSU) and Marvel Fusion have partnered to

CSU and Marvel Fusion to Build \$150M Facility

build a \$150 million laser facility to enable research into inertial fusion energy and high energy density physics. The public-private partnership will see the facility constructed on the CSU Foothills Campus. Read Article

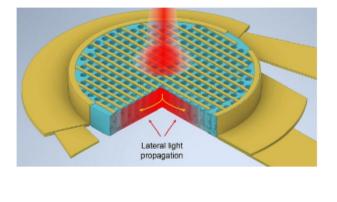


Researchers at the University of California, Davis (UC Davis) are

Silicon Photodetector Rivals III-V Counterparts

developing a strategy to boost the light absorption of thin silicon films. The team demonstrated silicon-based photodetectors with lighttrapping micro- and nano-surface structures, achieving performance gains that rival that of gallium arsenide (GaAs) and other group III-V semiconductors. Read Article





NIT'S HD SWIR Camera

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Smart Version New Imaging

Technologies (NIT)

SenS 1280 — Smart version integrates NIT's HD resolution 1280 × 1024 px@10

μm sensor, French-made SWIR camera. CameraLink, SDI output, GenICam compliant with On-board Image processing: AGC, AIT, NUC & BPR, 80%. 60 Hz frame rate. ROI. Ideal for machine vision and surveillance applications.

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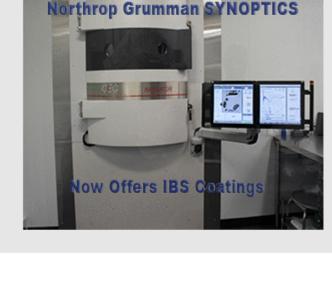


Processing NYFORS Teknologi AB

CO, Laser Glass-

CO, laser glass-processing is designed to produce high-power and sensitive

photonic components and complex structures. It guarantees contamination-free processing for fiber linear, 2D and gapless array splicing, ball lensing, end-capping, and many other challenging processes. Visit Website Request Info





SPIE Adds 89 Senior Members Read Article

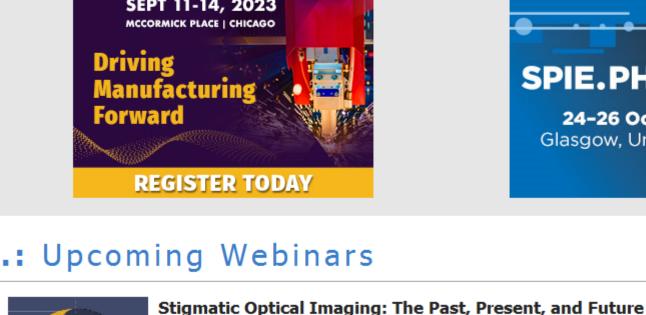
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The exact equation to design a stigmatic lens has recently been found and extensively studied. This equation allows researchers to explore several stigmatic optical systems showing the systems share



several properties. In this presentation, Rafael González-Acuña of Huawei Technologies reviews those properties, starting from the history of the problem in ancient Greece to its solution that was published in 2018. He addresses that solution step by step and explores the mathematical details. He also shares the

benefits, applications, and future possibilities of this equation. **Register Now**

Advanced Packaging for Integrated Photonics: From Research to Manufacturing



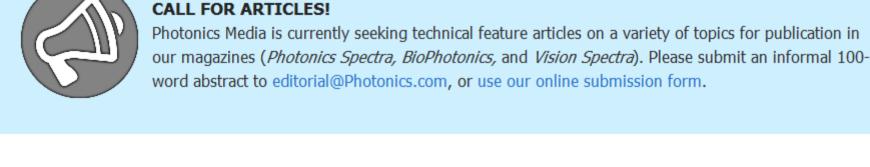
Advanced packaging enables researchers to combine different technology platforms such as photonics, electronics, micro-electromechanical, and fluidics to address a vast array of exciting

team at the Tyndall Institute, including details about the group's diverse range of research projects in areas such as telecommunications, quantum, and medical devices. The webinar outlines how these advanced packaging

Tue, Aug 29, 2023 10:00 AM - 11:00 AM EDT

Tue, Aug 22, 2023 1:00 PM - 2:00 PM EDT

discusses recent developments by the group to establish the European Photonics Academy to train industry and students in a wide range of advanced photonic technologies. Sponsored by Aerotech Inc. Register Now





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