





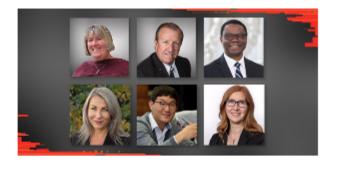


.: Top Stories

to 40 TW

SPIE Elects Rochester's Julie Bentley into Presidential Chain University of Rochester professor Julie Bentley has been elected to

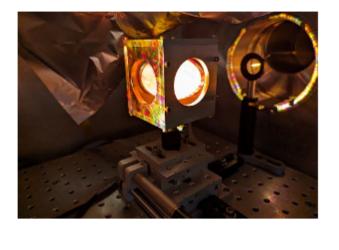
serve as the 2024 vice president of SPIE. With her election, Bentley joins the SPIE presidential chain and will serve as president-elect in 2025 and as the society's president in 2026. Read Article



TAU Systems has upgraded the existing University of Texas Tabletop

TAU Systems Upgrades University of Texas Tabletop Laser

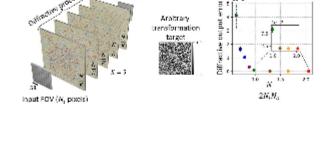
Terawatt Laser (UT3) to facilitate the powering of a compact particle accelerator. The upgraded UT3 driver laser now produces ultrashort pulses with a peak power of 40 TW. The upgrade is part of a collaboration between TAU and the University of Texas to jointly develop the fundamental elements of laser-plasma interactions and advance the science and technology of compact accelerator systems and advanced light sources Read Article



Light UCLA researchers developed a deep-learning-based approach to

Optical Processor Captures Scenes in Spatially Incoherent

designing spatially incoherent, diffractive optical processors. The method provides a way to build all-optical visual processors that work under natural light. Following deep learning, the diffractive optical processors can transform any input light intensity pattern into the correct output pattern. The researchers believe that their design will contribute to the quest for a fast, energy-efficient alternative to electronic computing. Read Article



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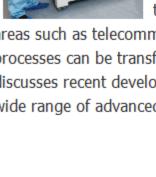
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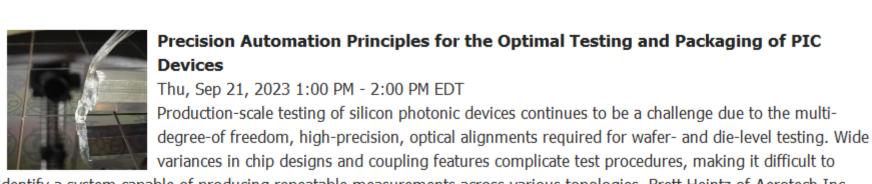
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applications. Professor Peter O'Brien presents the packaging capabilities established by his research team at the Tyndall Institute, including details about the group's diverse range of research projects in



areas such as telecommunications, quantum, and medical devices. The webinar outlines how these advanced packaging processes can be transferred to early-stage manufacturing through the group's leadership of the European Pilot Line, and

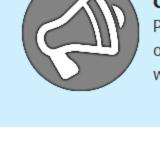
discusses recent developments by the group to establish the European Photonics Academy to train industry and students in a wide range of advanced photonic technologies. Sponsored by Aerotech and PI (Physik Instrumente) LP. Register Now



Thu, Sep 21, 2023 1:00 PM - 2:00 PM EDT Production-scale testing of silicon photonic devices continues to be a challenge due to the multi-

identify a system capable of producing repeatable measurements across various topologies. Brett Heintz of Aerotech Inc. provides a guide for selecting precision motion equipment to minimize the impact of positioning errors on optical alignment test results. Presented by Aerotech.

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