

This Week in PHOTONICS



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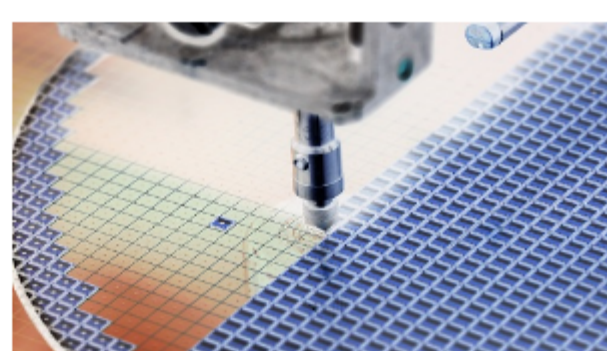
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Top Stories

AIM Photonics Secures \$321M in Agreement with AFRL, SUNY Research Foundation

AIM Photonics has signed a seven-year agreement with the Air Force Research Laboratory (AFRL) and the Research Foundation of the State University of New York. The agreement includes support totaling more than \$321 million. The funds will be used to help ensure the manufacturing readiness of advanced photonics for national security and microelectronics.



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GA-EMS and Boeing to Partner on Directed Energy Prototype

A team from General Atomics Electromagnetic Systems (GA-EMS) and Boeing has been awarded a U.S. Army Rapid Capabilities and Critical Technologies Office (RCCTO) contract to develop a 300-kW-class solid-state distributed-gain high-energy laser weapon system. The system will leverage distributed-gain laser technology with beam director and precision acquisition, tracking, and pointing software.



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Biobased Extraction Method Can Help Build Domestic Rare Earth Supply

An eco-friendly way to extract and separate rare earth elements (REEs) from unconventional sources has been demonstrated by researchers at Penn State and Lawrence Livermore National Laboratory (LLNL). The method relies on a bacterial protein that is almost a billion times better at binding to REEs than to other metals.



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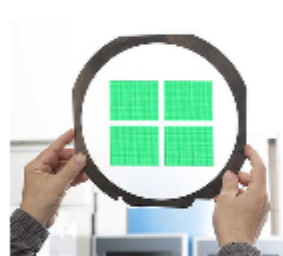
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instruments have various uses in medical diagnostics, including the detection of infectious diseases such as Covid-19. These types of tests only require a single drop of blood, saliva, or urine and can be performed by a GP within minutes.

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Upcoming Webinars



Semiconductor Position-Sensitive Detectors (PSDs): Technology and Applications

Thu, Nov 4, 2021 1:00 PM - 2:00 PM EDT

Oleks Goushcha, Ph.D., lead scientist for semiconductor devices at OSI Optoelectronics, provides an in-depth look into semiconductor position-sensitive detectors (PSDs). This talk covers the design and applications of both segmented and lateral-effect Silicon and InGaAs PSDs used for optical beam position detection. Presented by OSI Optoelectronics.

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