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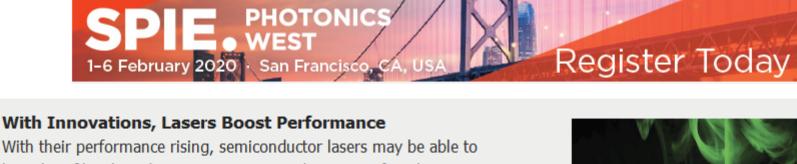
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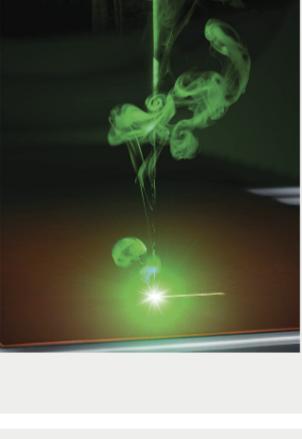


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in fiber and other types of lasers as well. The overall result for these light source technologies is a drop in the cost per watt delivered, more wavelengths, higher power, and other improvements.



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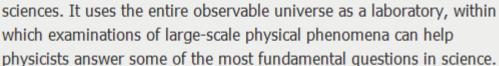


Arno Penzias in the early 1960s.



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D2 projected Princess Leia Organa saying the memorable words, "Help

me, Obi-Wan Kenobi. You're my only hope." While Leia's projection technically was not a hologram but a volumetric light-field display (a technique used to bring back to the stage deceased entertainers such

The concept that our universe originated in a hot Big Bang was first

discovery of the cosmic microwave background by Robert Wilson and

developed in the mid-1940s by George Washington University professor George Gamow. Gamow's theory was borne out by the

as Elvis Presley and Tupac Shakur), three-dimensional holograms have been inextricably linked with a vision of the future. Current applications in holography are poised to usher it in. Read Article **Featured Products** Multi-Channel Laser Driver Arroyo Instruments LLC EASYHAZ* The 7244 Series Laser MultiSource driver brings four-

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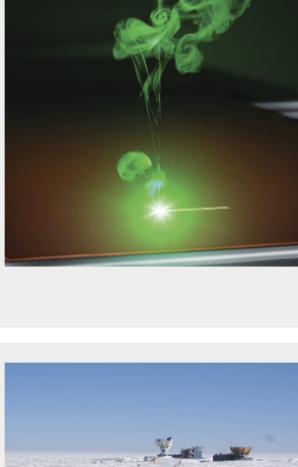
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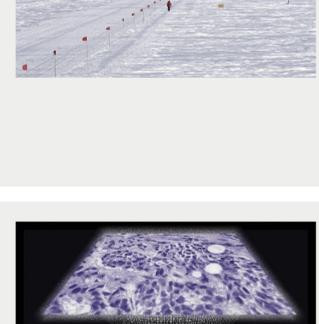
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best their fiber-based counterparts in a wide variety of applications. On the horizon are potential game changers, such as high-power blue laser diodes and organic laser diodes. But innovations are being made





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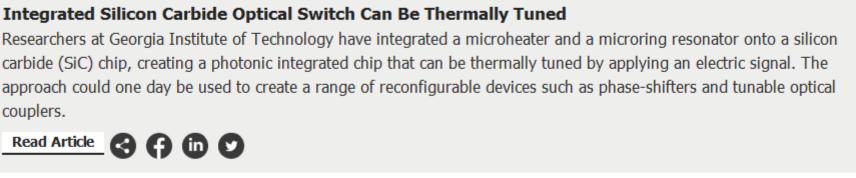
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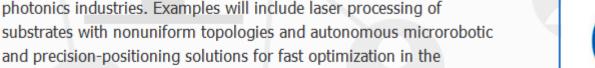
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With a Short Course

Researchers at Columbia University and the University of California, San Diego, have used a combination of measurement techniques to simultaneously examine the electrical, magnetic, and optical properties of quantum materials. The work was inspired by "multi-messenger" astrophysics, a technique that employs simultaneous measurements from different instruments, including infrared, optical, x-ray, and gravitational-wave telescopes, to deliver a more robust physical picture





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