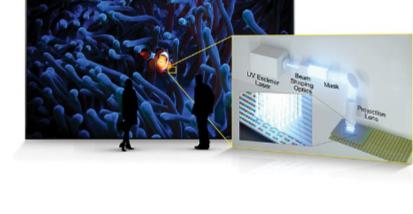


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and End Markets In the early 2000s, a husband-and-wife team, Hongxing Jiang

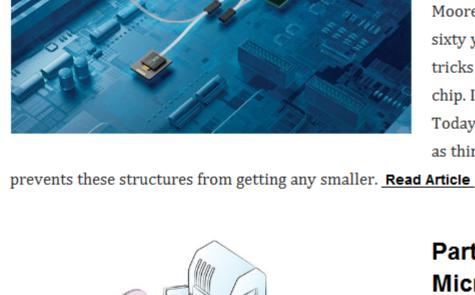
DUV Lasers Scale Up Pulse Energy

and Jingyu Lin of Texas Tech University, first demonstrated the range of outstanding features provided by micro-LED displays. Since then, the technology has seen increasing adoption in the display screens of a growing number of popular electronic devices. Their applications range from large video walls to microdisplays for wearables and AR/VR devices. With additional advancements in deep-ultraviolet laser manufacturing systems, experts predict micro-LEDs will

further disrupt the display market and help to add new functionalities, such as cameras and sensors, to the screen. Read Article

Computing

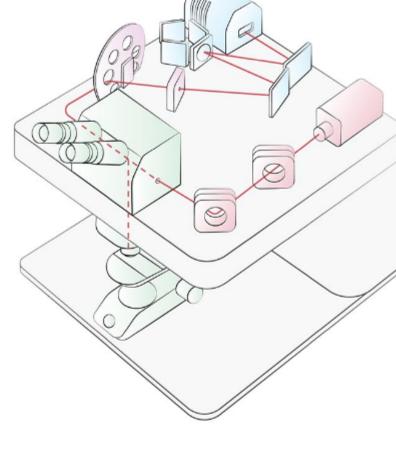
Microscope



Moore's law has been challenged many times during the past sixty years, but semiconductor engineers always found new

Photonics Reshapes the Future of

tricks to continue doubling the density of transistors on a chip. In the meantime, the cost to do so has skyrocketed. Today, chip makers create structures on silicon chips that are as thin as a few atoms. It will not be long before physics Part by Part: The Anatomy of a Raman



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the use of stains or dyes. Further, combining Raman spectroscopy with microscopy enables high spatial resolution to be obtained that can be applied to particles measuring a few micrometers in size. This versatility has prompted use of the technology in a wide range of applications and end markets, from semiconductors to bioscience, making it an extremely useful tool for any laboratory. Read Article



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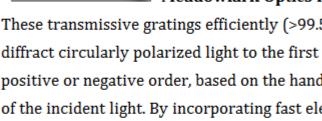


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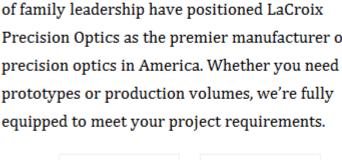
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for OLED devices. The material, called supramolecular ink, demonstrated the ability to convert nearly all absorbed light into visible light during the emission process. Read Article

Part 2

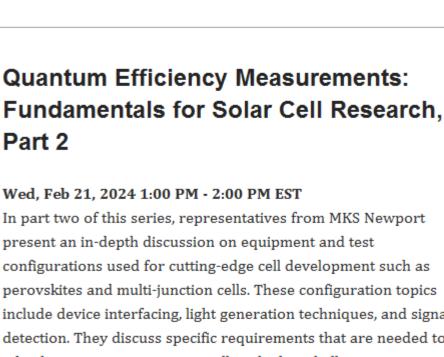
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IMAGE

A new, 3D-printable material that is a highly efficient emitter could lead to cheaper, more sustainable manufacturing processes





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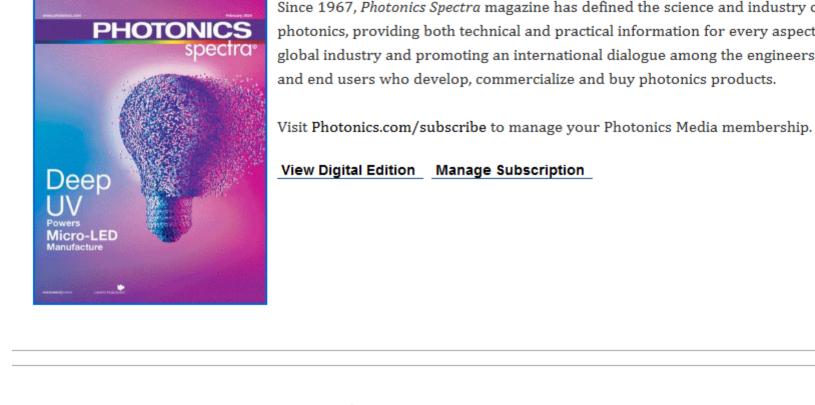
world of solar cell design measurements and how to set up a lab

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