



Quarterly newsletter highlighting the latest photonics news, features and products targeted to the Asia-Pacific regional market. Manage your Photonics Media membership at [Photonics.com/subscribe](http://Photonics.com/subscribe).



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**Fastest Wavelength Measurement Available**

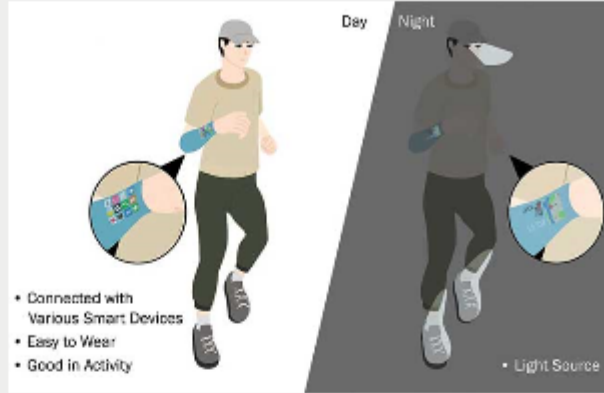
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## Asia-Pacific News

### OLED-on-Fabric Could Be the Next Wearable Wonder

Thanks to continued advances in sensors, computing power, and energy harvesting, the age of IoT-based wearable technologies is upon us. For broader adoption, however, tomorrow's wearable must feature display technology far more prominently.

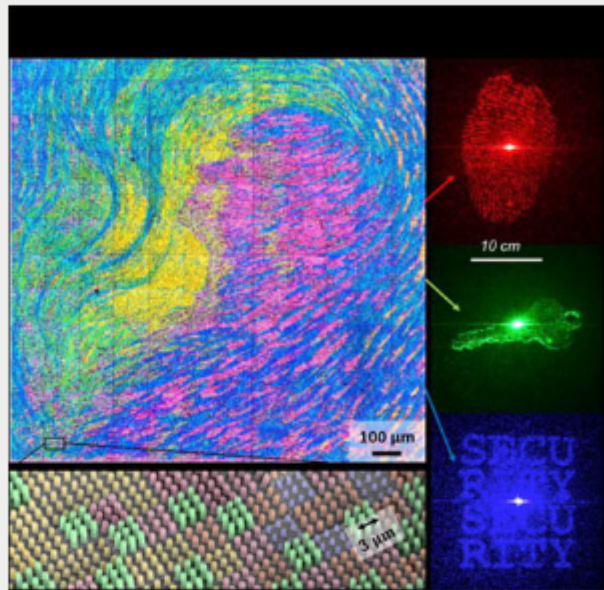


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### Holographic Color Prints Combine Phase and Amplitude Control of Light for Better Optical Security

A new optical anticounterfeiting device, called "holographic color prints" by its developers, provides a dual function to increase security and deter counterfeiting. The device creates images that appear as a regular color print under white light. But under red, green, or blue laser illumination, the device can project up to three different holograms.

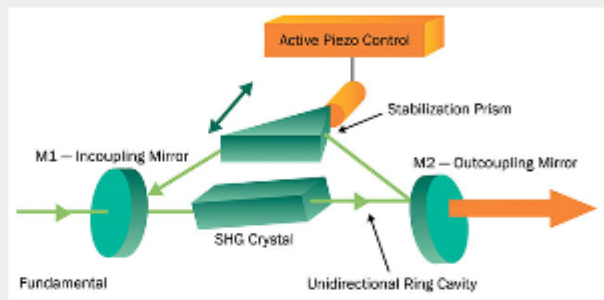


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### Quantum Applications Jump Forward with Photonics

As quantum initiatives receive increased attention and funding worldwide, the photonics industry will play a critical role in emerging technologies. Common themes among initiatives include the establishment of centers of excellence and the bridging of research and industry.



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## Featured Products



### High Speed Laser Wavelength Meter

#### Bristol Instruments Inc.

The 871 Series Laser Wavelength Meter from Bristol Instruments measures laser wavelength at a sustained rate of 1 kHz, the fastest available. The resulting time resolution of 1 ms provides the most detailed analysis of tunable lasers.

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### Alluxa Ultra Series Filters and Coatings

#### Alluxa

Alluxa Ultra Series Filters, including Narrowband, Dichroic, UV, IR, and Notch filters, provide the highest performance optical thin film solutions available today. For example, the Ultra Series Flat Top Narrowband filters offer the narrowest bandwidths and squarest filter profiles in the industry.

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### Cleared Tissue Objective

#### Applied Scientific Instrumentation Inc.

The Cleared Tissue Objective is an immersion objective lens

specifically designed for light sheet microscopy of cleared tissue samples, including ASI's dual-view Selective Plane Illumination Microscopy (dSPIM), which enables isotropic resolution without manipulating the sample.

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### Remote Sensing

#### Photonics Media

From space and the sky around us to firmly on the ground, remote sensing is providing an important view of our surroundings that can't be seen with our eyes alone. A variety of optical technologies are having an impact on applications as diverse as agriculture and defense, weather and climate, and are now part of the...

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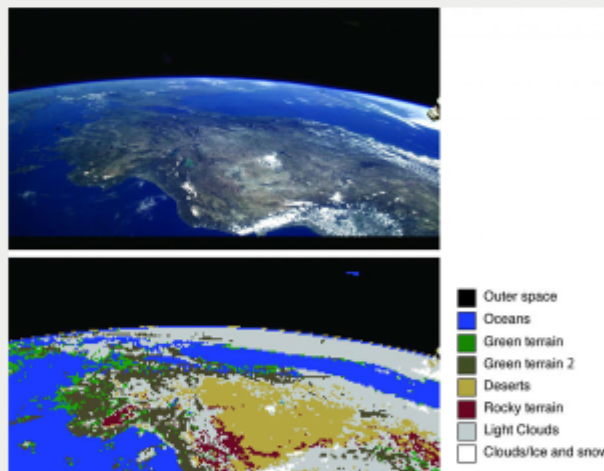
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## More News

### Sensor Uses AI to Obtain Real-Time Images from Satellite Orbit

Researchers at Tokyo Institute of Technology have developed a low-cost star tracker and Earth sensor. The star tracker will be used with microsatellites to handle calibration observations, operation verification tests, and long-term performance monitoring during orbit. The Earth camera will perform image recognition while in orbit using an artificial intelligence system.

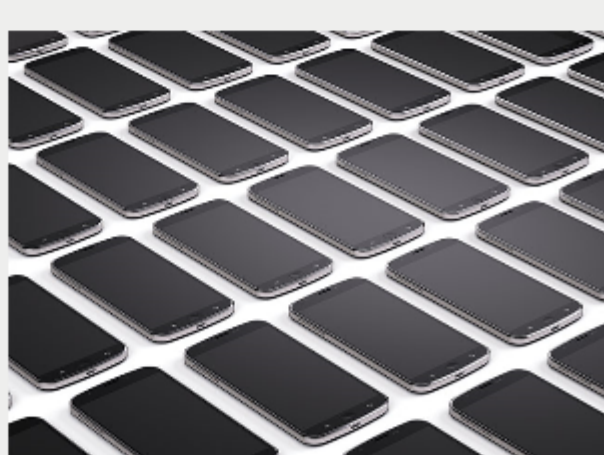


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### Display Manufacturing Enriches High-Tech Products

Cutting-edge technologies are creating opportunities for companies to produce increasingly higher-quality displays for consumer electronics - from big-screen TVs to smartphones. A highly visible example is the ever-increasing picture clarity in large-screen TVs, and in the evolution of smartphone products that have become essential social and productivity mobile companions to consumers.



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### Laser World of PHOTONICS CHINA 2019

LASER World of PHOTONICS CHINA 2019 will open at Shanghai New International Expo Center on March 20-22, 2019. The trade fair will feature products and services in five areas: lasers and photonics, optics and optical manufacturing, laser production and processing, imaging and machine vision, and testing and measurement. This year's theme is "Intelligent Manufacturing with Light" and focuses on the advantages of laser technology and the innovations needed for Chinese

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### RoboSense Named a 2019 CES Innovation Honoree

RoboSense has been named a CES 2019 Innovation Awards Honoree for its RS-IPLS Intelligent Perception Lidar system. An annual program that celebrates outstanding design, the CES Innovation Awards recognize honorees across 28 product categories. A panel of judges, including designers, engineers, and members of the technology media, reviews submissions based on design, functionality, consumer appeal, engineering, and how the products compare with competition.

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