

# This Week In PHOTONICS

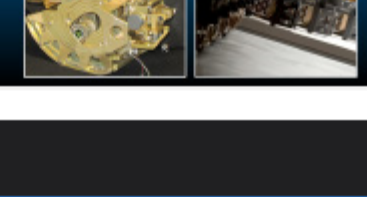
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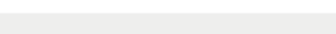
## Top Stories

### IR Light-Treated Whiskey Draws Flavors from Oak Barrels

Buffalo Trace Distillery has released its Experimental Collection of bourbon that used IR light to treat the aging barrels before they were charred. The IR-light experiment's goal was to learn how new and different flavors could be imparted from the oak barrels into the bourbon.



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### Optical Prism Designs Expands Vision Field for the Sight-Impaired

A series of novel optical designs may address the limitations of current peripheral prism eyeglasses and help further expand the field of vision for patients with hemianopia, a condition in which the visual fields of both eyes are cut in half.



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### FotoNation Partners with Kyocera for Intelligent Driving

FotoNation Ltd. has partnered with Kyocera Corp. to develop advanced, intelligent vision systems for the automotive market. The technologies aim to enhance driver and pedestrian safety while accelerating the adoption of semi- and fully autonomous vehicles and providing a safer driving environment for occupants and pedestrians in urban areas.



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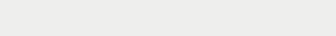
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### Electrochromic Polymers May Mean Brighter Future for Flat-Panel Displays

The use of super-thin layers of inexpensive electrochromic polymers to generate sharp colors that can be quickly changed may lead to a less expensive way to develop flat-panel displays that are also brighter, clearer and more energy efficient.

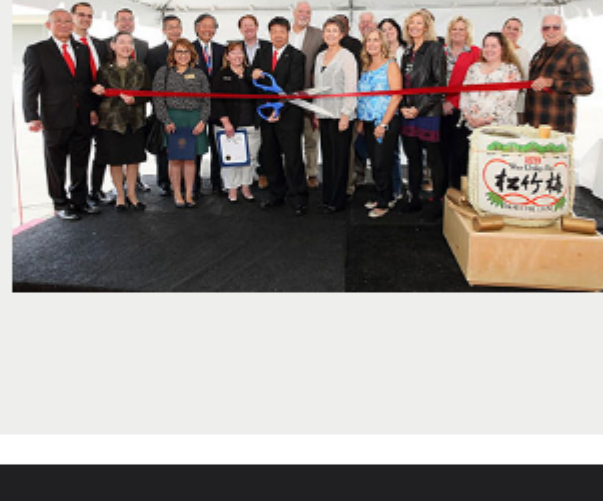


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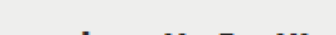


### Amada Miyachi America Opens New Headquarters

Amada Miyachi America Inc. has opened its new headquarters, a \$13.5 million, 85,000-sq-ft facility. The headquarters include a technical center with eleven application-specific demonstration labs, a state-of-the-art training room, technology showroom, manufacturing facility, Class-10,000 clean room and six customer laboratories. The facility also features energy-efficient equipment and climate control.



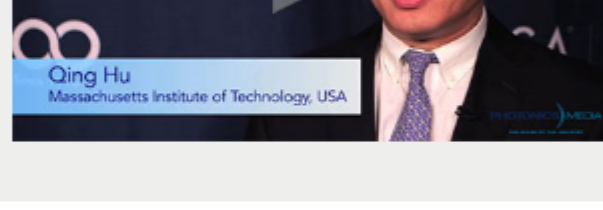
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## Featured Video

### Qing Hu - Massachusetts Institute of Technology

The Optical Society members share their reflections on 100 years of optics innovation, what inspired their interest in the field and how OSA has impacted their career.



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## More Headlines

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## Featured Products



### Asian Prices with US Quality

#### Gurley Precision Instruments

Gurley Precision is the one-stop-shop for custom optics without the catalog

company mark-ups. High quality lenses, prisms, filters, mirrors, optographics, and assemblies, all at the lowest prices in the business.

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### Nano-MTA Series Nanopositioners

#### Mad City Labs

The Nano-MTA series of closed loop mirror scanning nanopositioners is ideal for

applications where extreme repeatability and accuracy in beam steering is required. These nanopositioners have ultra-low position noise, high stability, and sub-nanoradian precision.

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### the pco.film Lifetime Imaging Camera

#### PCO-TECH

PCO introduces a new kind of camera system. The camera has a revolutionary image sensor and makes use of

fluorescence lifetime imaging in the frequency domain, making it suitable for numerous applications in the field of biomedical research.

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### Athermal Fixed Focal Length Assemblies

#### ISP Optics Corporation

ISP Optics is expanding and demonstrating its LWIR Imaging

Fixed Focal Length Lenses are designed for uncooled IR detectors and for a single angular field of view.

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## Industry Events

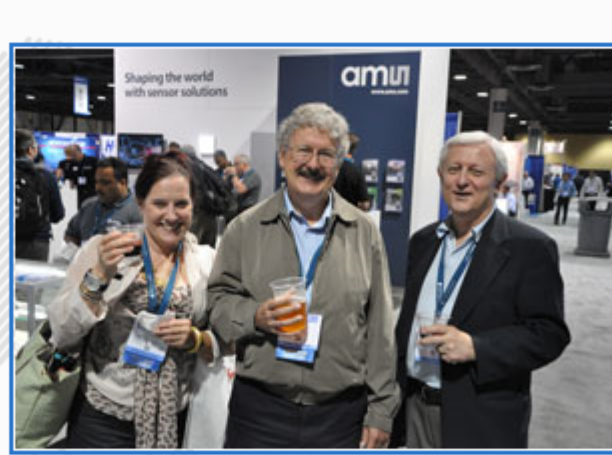
### Sensors Expo & Conference 2016

June 21-23, 2016 - McEnery Convention Center - San Jose, CA  
Visit Photonics Media Booth 1432

Sensors Expo & Conference is the only industry event in North America exclusively focused on the development and deployment of sensors and sensor-integrated systems. The three-day program explores cutting-edge trends and applications including energy harvesting, flexibles and wearables, IoT, measurement and detection, MEMS and sensors, novel sensor applications, optics, sensors and embedded systems design, and wireless in an information-packed Conference Program. These trends are reflected throughout the Exhibit Floor with new products, technology pavilions, demos and a showcase of more than 250 exhibitors displaying their latest technology.

Special offer for Photonics subscribers to attend Sensors 2016: Use code PHOTONICSS50 for \$50 off Gold and Main Conference Passes or a FREE Expo Hall Pass in advance.

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## Webinars

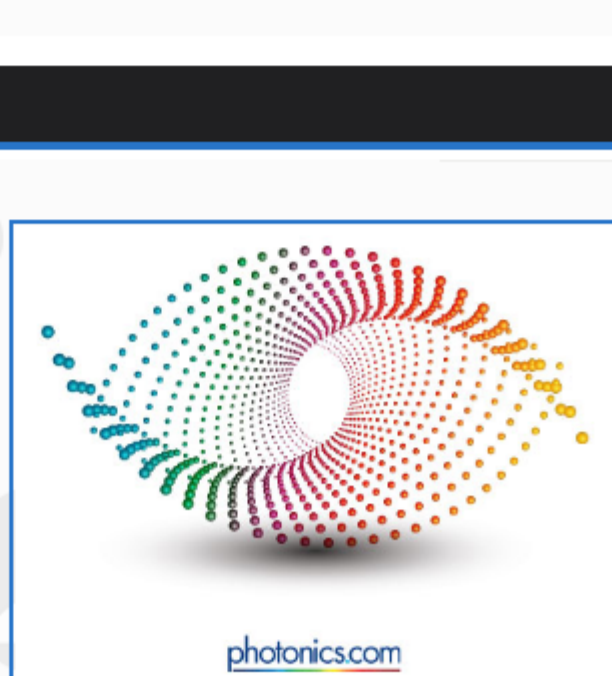
### Photonics for Ophthalmology

Thu, Jun 9, 2016 12:00 PM - 3:15 PM EDT

Join us for a FREE digital conference, "Photonics for Ophthalmology," on the use of light-based imaging and surgical techniques for diagnosing and treating eye conditions. The event will feature several 15-minute presentations, each followed by a brief question-and-answer session. Presentation topics include photo-mediated ultrasound therapy, ophthalmologic lasers, intraocular lenses, photobiomodulation, and various aspects of optical coherence tomography.

Space for the conference is limited – register today! To register visit:  
<http://www.photonics.com/Webinar.aspx?WID=93>

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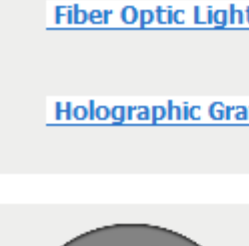
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