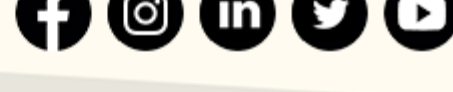


# This Week In PHOTONICS

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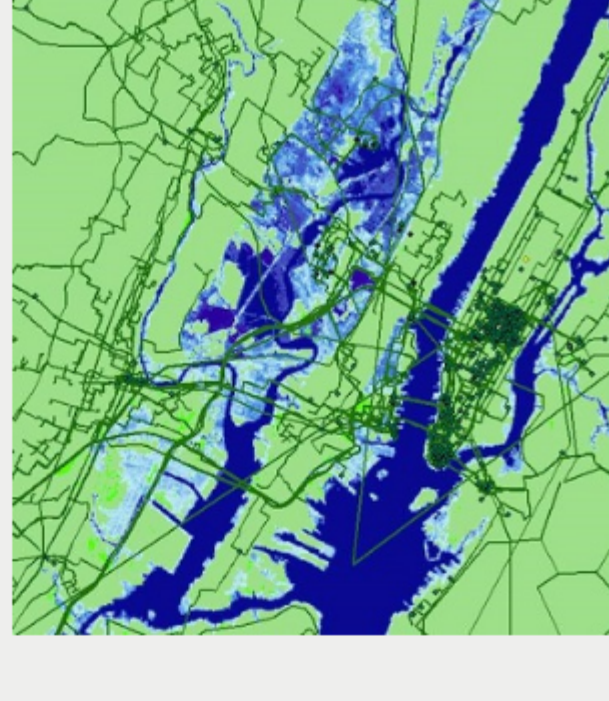
**Apple Rubber**

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## Top Stories

### Study by UW-Madison, UO Details Vulnerable Internet Infrastructure Due to Sea Level Rise

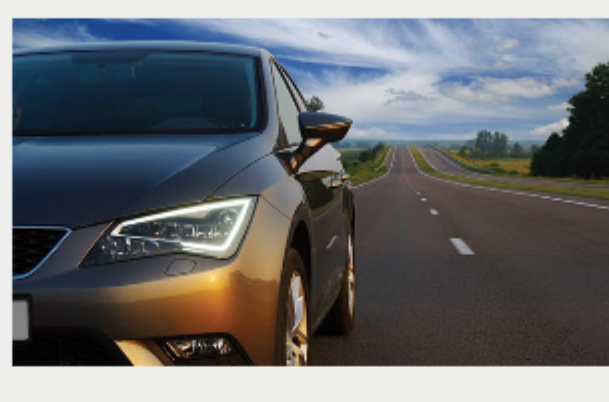
Thousands of miles of buried fiber optic cable in densely populated coastal regions of the U.S. may soon be inundated by rising seas, according to a new study by researchers at the University of Wisconsin-Madison and the University of Oregon.



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### Emerging Applications Drive Image Sensor Innovations

Demand for sensors in automobiles, the Internet of Things, and AI is challenging vendors to integrate systems and improve performance. Forecasts call for image sensor market growth to be driven by automobiles, with increasing use of lidar, cameras, and sensors.



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### Brixon Licenses Sensor Technology From ORNL

Brixon Inc. has exclusively licensed a multiparameter sensor technology from the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL). The integrated platform uses various sensors that measure physical and environmental parameters and respond to standard security applications.



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## Featured Products

**Ensenso X: 3D Vision System Now With 5 MP Models**

**IDS Imaging Development Systems GmbH**

Ensenso X is a modular 3D camera system offered by IDS which is now also available with the high-resolution 5 MP IMX264 Sony sensor. This allows for an expanded field of view, higher resolution and lower noise levels.

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**AR/VR Lens: Measure Displays in Headset**

**Radiant Vision Systems, Test & Measurement**

Displays viewed near to the eye, such as those in AR/VR devices, create immersive virtual experiences. However, as display images are magnified to fill a user's field of view, display defects are also magnified.

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**Industrial Laser Safety at a Glance**

**Photonics Media**

A straightforward guide, offering clear, real world explanations of laser safety elements and the necessary background materials for the industrial laser environment. It raises the awareness of the dangers of laser exposure.

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**A Smart Cloud-AI Handheld Raman Spectrometer**

**CloudMinds Technology Inc.**

The Cloudminds XI™ is the world's first cloud AI based handheld Raman spectrometer with 785nm laser excitation. The handheld Raman unit is fully integrated with the Cloudminds Data A1 Android smartphone.

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**VISION IN THE 3<sup>RD</sup> DIMENSION**

Ensenso X 3D cameras with 5 MP sensors

**IDS** [www.ids-imaging.us](http://www.ids-imaging.us)

## More News

### Corning Receives Raytheon Supplier Awards

The advanced optics business unit of Corning Inc. has received two 2018 Supplier Excellence EPIC awards from Raytheon. One of the awards recognizes Corning's Keene, N.H., manufacturing facility for contributions to Raytheon's Multi-Spectral Targeting System (MTS).

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### EOS Installs Imaging System in Shriners Hospital for Children—Mexico

2D and 3D imaging technology developer EOS Imaging has installed its imaging system in Shriners Hospital for Children—Mexico in Mexico City. The EOS system produces images with far less patient exposure to radiation than conventional x-rays.

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## More Headlines

**CSIR Constructs Mobile Lidar at UNIZULU for Air Quality Monitoring** [Read Article](#)

**Metrology Industry Consortium Releases Manufacturing Report** [Read Article](#)

**Novanta Acquires Remaining Equity Interest in Laser Quantum** [Read Article](#)

**CST Global Adds InP Epitaxial Overgrowth to Production** [Read Article](#)

**Avinger Acquires Atherectomy Catheter Patent** [Read Article](#)

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## Industry Events

### CRAV.ai 2018

October 24-25, 2018 - Hyatt Regency Santa Clara - Santa Clara United States

At the two-day Collaborative Robots, Advanced Vision & AI (CRAV.ai) conference, you will learn about these growing, dynamic technologies from experts in each field. You'll connect with leading suppliers and integrators at the tabletop exhibition, and you'll walk away with advanced insights to help advance your business. You will have the opportunity to participate in pre-conference training opportunities, like the Certified Vision Professional Program, or the collaborative robot safety training. The conference will offer 30-plus expert sessions in three tracks and 75-plus exhibits from leading technology providers, suppliers, and integrators.



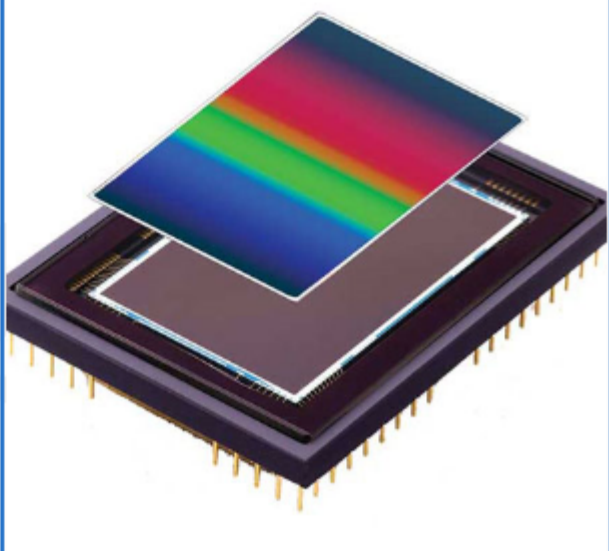
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## Webinars

### Continuously Variable Filters for Spectroscopy, HSI, and Fluorescence Diagnostics

Thu, Oct 18, 2018 10:00 AM - 11:00 AM EDT

This webinar will introduce you to advances in variable filters, especially in the areas of transmission and blocking. You will learn about the properties and performance of variable filters, and how they are being used to increase the robustness and affordability of applications in the areas of hyperspectral imaging, spectroscopy, and fluorescence diagnostics. This webinar is sponsored by Delta Optical Thin Film A/S.



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