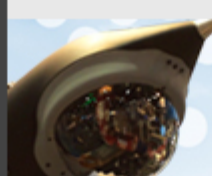


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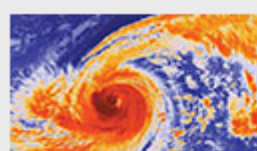
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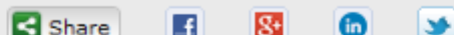
April 2016

## Space-Based Remote Sensing Yielding New Insights into Climate Change



From tracking ash plumes from volcanic eruptions to measuring water vapor, multispectral imagers, IR sensors and lidar systems in space are yielding critical data leading to better forecasting models and long-term insights into global climate change. In the past decade, NASA and NOAA, along with their international partners, have embarked on a number of critical missions that are helping answer the questions about how clouds and aerosols form, evolve, and affect water supply, climate and weather.

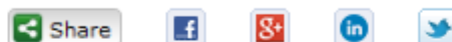
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## Delivering Optical Devices to the Medical Market

Medical applications of optics and photonics technologies continue to expand from optical coherence tomography and imaging to optical fibers and lasers for surgery, and now the explosion in wearable devices.

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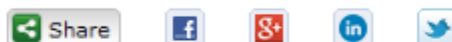


## OLED Microdisplays: Advancing Virtual and Augmented Reality Smart Glasses of Today and Tomorrow



Size, power, contrast and color space advantages make OLED microdisplays a perfect fit for near-eye applications. Advances in subpixel patterning and the development of stacked OLEDs promise to extend color space and battery life.

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## New Indium Antimonide-Based IR Detectors Surpass Previous Limitations

Advances in indium antimonide (InSb) infrared detectors, detector cooling and system design have resulted in a new generation of application-specific cameras where either SWIR or broadband response is critical.

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#### LensCheck™ Quality Control

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#### Low-Cosmetic Defect IR Filters

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#### Motorized Large Spheres

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AFL AFL's LAZERMaste is a glass processing and splicing system that uses a CO2 laser heat source rather than electrodes, ensuring repeatable performance and low maintenance, and eliminating electrode or filament maintenance and instability.

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#### Arbitrary Waveform Generator and Signal Acquisition Instrument

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#### UV-enhanced Silicon Photodetector

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