Wednesday, August 08, 2018

PHOTONICS







STABILIZING

THE LINE

F SIGHT







spectra

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By Peter J. Kennedy and Rhonda L. Kennedy

successful end-to-end line-of-sight pointing design.

A methodology and an example for executing a

Monthly newsletter from the editors of Photonics Spectra, with features, popular topics, new products, and what's coming in the next issue.

smartphone computing and spectroscopy is now leveraging

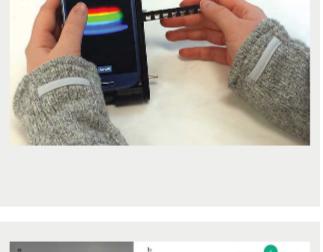
Smartphone Spectroscopy Promises a Data-Rich Future An upsurge of portable, consumer-facing devices at the intersection of Order today ▶

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attaches to a smartphone and uses the phone's internal camera as a

visible-light spectrometer. Read Article (4) (f) (in) (v)

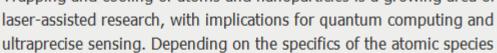
integration. The TRI Analyzer is a 3D-printed cradle that physically



Quiet Lasers, Cool Science





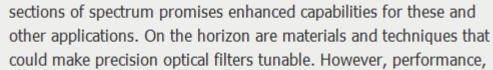


cooling and trapping methods are now used.

Read Article (4) (in (5) Better Filters Yield Better Sensor Performance From weather satellites to lidar for self-driving cars, precision optical filters play a vital role in making sensors

work. Today, the ability to interrogate more and more

being trapped and the target temperature range, several different laser

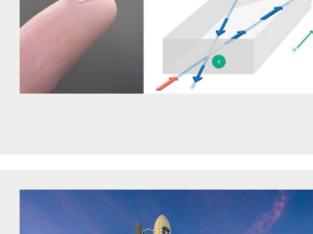


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cost, and other issues must be addressed.

3 A B D



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for uncooled microbolometers.



Liquid-Based White LEDs Achieve High Luminous Efficiency

Howard Hughes Award Presented to ONR, Aurora Flight Sciences for Autonomous Flight Work The American Helicopter Society's Howard Hughes Award was presented to the U.S. Navy's Office of Naval Research

(ONR) and Aurora Flight Sciences for their joint work on the Autonomous Aerial Cargo/Utility System (AACUS).



Quantum dot white LEDs that show a luminous efficiency of 105 lm/W have been developed. The QDs are liquid-based and, according to researchers, could help the LEDs achieve an efficiency double that of LEDs that incorporate quantum dots in solid films.

Webinars



Understanding Camera Resolution Tue, Sep 18, 2018 1:00 PM - 2:00 PM EDT



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resolution, and how different setups can affect the resulting image. You will learn a simple formula that will help you calculate the camera resolution you need for your application — and how to use the results of your calculation to achieve the best imaging results under a variety

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