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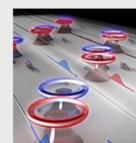
FEATURED VIDEO





Thursday, April 17, 2014

Whispering-Gallery Device Could Improve Computing



A new whispering-gallery microcavity could lead to new and more powerful computers that run faster and at cooler temperatures. The optical diode was created at Washington University in St. Louis, where researchers coupled two microresonators using parity-time symmetry onto a silicon chip. These resonators were positioned to allow light to flow from one to the other.

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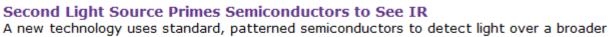
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The Measurement of High Optical Densities (up to 8

Abs) in the Near-Infrared Agilent Technologies, Inc.

The optical densities of various materials used in the manufacture

of laser safety eyewear have been determined in the NIR. The lens materials were measured over wavelength ranges corresponding to the laser wavelengths for which the eyewear was designed (InGaAs, 980 nm and Nd:YAG, 1064 nm). Prior to measurement, a variety of filters of known optical density were used to validate the photometric performance of the spectrophotometer. Using the addition of filters technique, photometric range, accuracy and linearity were demonstrated up to 8 Absorbance units at 1200 nm in the near-infrared.

WEBINAR

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Microscopy Light Sources

Tuesday, April 22, 2014 1:00 PM - 2:00 PM EDT FREE WEBINAR

In this webinar, Aaron Slepkov, PhD, will describe the

key features of coherent anti-Stokes Raman

scattering (CARS) microscopy, and will outline the light sources used in its various experimental implementations.

TER NOV



Dr. Slepkov is faculty in the department of Physics & Astronomy at Trent University, where he holds a Canada Research Chair in the Physics of

Biomaterials. His research interests include nonlinear optics and photonics, broadband laser microscopy, and materials biophysics.

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