
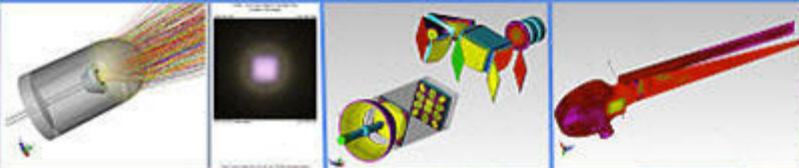


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EuroPhotonics Digital Edition - Summer 2013



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The Summer 2013 issue of *EuroPhotonics* includes feature articles on The "continuously growing" European machine vision market; LED production getting bigger and better; and the improvements shorter pulse widths bring to micromachining.

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New Material Improves Camera Sensitivity

A new material with five times the light sensitivity of current silicon-based sensor technology could yield cameras sensitive enough to capture photos using only starlight.

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Global Quantum Network Based On Optical Fibers

A technique for increasing the time that quantum information is stored in glass fiber-coupled atoms could yield a global optical fiber-based quantum communication network, researchers in Austria have found.

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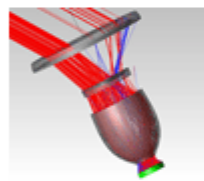
European Groups Appoint Young Ambassador for Photonics Education

As a young girl in the Netherlands, Jana Huisman had a curiosity about the world around her that led her to study physics and that now drives her interest in photonics. Huisman, 18, will use that passion in her new appointment as Young Ambassador for Photonics Education.

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More from EuroPhotonics

Light Coupled in Fiber Oscillates Longitudinally

Lightwaves, which typically oscillate perpendicular to their propagation direction, have been seen oscillating longitudinally when coupled into glass fibers, suggesting that light and matter couple much more strongly than previously thought.

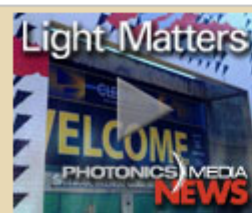
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Photonics Growth in Europe Outpaces GDP

With a worldwide market value projected to hit €615 billion (about \$791 billion) in 2020 and to remain stronger than the gross domestic product (GDP), photonics has moved from a niche application to a key enabling technology, according to Photonics Industry Report 2013, which was presented at Laser World of Photonics this week. The high-tech segment also has demonstrated solid growth since 2005, despite the financial crisis, the report states.

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On this edition of the industry's only weekly newscast: A live report from CLEO: 2013 includes interviews with researchers developing a cloak for communications and a method to detect viruses using on-chip optofluidics. Hosted by Photonics Media's Melinda Rose.

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