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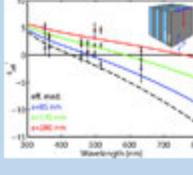
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**Material Gives Visible Light an Infinite Wavelength**  
A new metamaterial made from stacks of silver and silicon nitride nanolayers gives visible light a nearly infinite wavelength, an international team reports. The material could be used to make novel optical components or more efficient LEDs. "If three-dimensional ENZ metamaterials could be made in the visible, entirely new forms of waveform shaping, light tunneling and spontaneous emission enhancement would become possible over this technologically important spectral range," said the team from FOM Institute AMOLF and the University of Pennsylvania in its paper, which appears in *Nature Photonics* this week.

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**Flir Closing Facilities, Merging Optics and Lasers**  
Flir Systems will close up to six sites in the US and Europe and consolidate its optics and laser manufacturing businesses under a realignment plan announced this week. The thermal imaging systems maker cited "disappointing" preliminary earnings for the third quarter related to ongoing uncertainty in the US government as a contributing factor.

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**'Photons On Demand' Enable Compact Optical Chips**  
Multiple imperfect photon sources can be combined on a single silicon chip to produce a much higher-quality source, say researchers in Australia. Such "photons on demand" will help create extremely compact optical chips.


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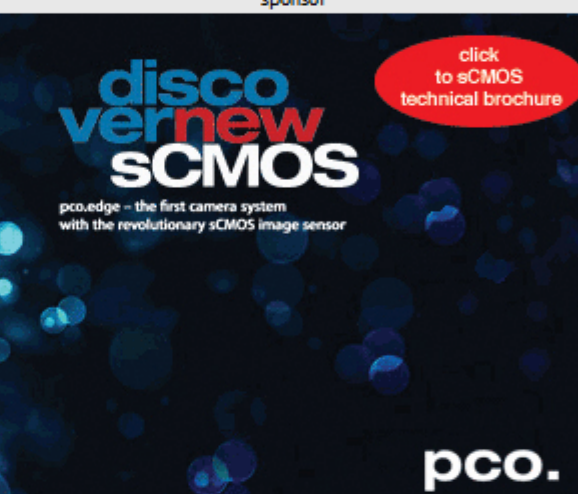
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**EMCCD 1 MegaPixel Camera**  
Raptor Photonics Ltd.  
The digital FALCON EMCCD camera, model FA285-CL, combines high sensitivity, speed and high resolution. It uses a peltier cooled Texas Instruments' 1MegaPixel Frame Transfer Impactron device which provides QE up to 65%.

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**Water Stream Detects Pollution Better**  
A microfluidic sensor with a novel design uses unconfined streams of water as a simple, cheap way to test for dangerous chemicals and bacteria in liquid.

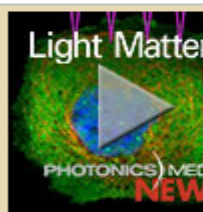
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**UCF Partnership Focuses on Biophotonics**  
A research partnership between UCF's College of Medicine and CREOL, the College of Optics and Photonics, is helping scientists use light to learn how cells move during normal development and in disease.

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**Alan Willner Elected OSA VP**  
The University of Southern California professor was elected as The Optical Society's (OSA) 2014 vice president. Three directors at large were also chosen at this year's election, held at the society's annual meeting in Orlando this month.

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On this edition of the industry's **only weekly newscast**: photons on demand enable compact optical chips, a spinning-disk microscope peers deeply into a cell, and narrow-spectrum UV light may reduce surgical infections. Hosted by Photonics Media's Melinda Rose.

**Oclaro Sells Micro-Optics Business to II-VI**  
II-VI exercised a previously announced option to buy the optical components maker's fiber amplifier and micro-optics business for \$88.6 million.

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**Laser Companies Nominated for German Science Prize**  
Scientists from laser makers Trumpf and Coherent are among the three teams nominated for the final round of the 2013 Federal German President's Award for Innovation in Science and Technology, the Deutscher Zukunftspreis, the country's most prestigious national award.

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**Zygo Team Wins Engineering Award for Metrology**  
Zygo's Automotive Precision Optical Metrology team won OSA's 2013 Paul F. Forman Engineering Excellence Award.

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