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**Distant Atoms Cooperate by Sharing Light**  
 Atoms can work collectively, rather than independently, to share light, an international team has found. The discovery has important implications for applications in advanced quantum devices. "I think what we've shown is going to be critical for future applications. It's an unobserved effect that has been discussed for decades, and we see it with excellent agreement between theory and experiment," said Barry Sanders, professor of physics and astronomy at the University of Calgary.

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**Nanoantennas Form Ultrathin Holograms for Sensing**  
 An ultrathin hologram — only 1/23rd the width of the light wavelength used to create it — could make possible light-based devices and optical switches small enough to be integrated into computer chips for advanced sensors, high-resolution displays and information processing.

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**Qubit Survives for 39 Minutes**  
 A quantum state, normally a very fragile condition, has been demonstrated to survive at room temperature for an unprecedented 39 minutes. This achievement overcomes a key barrier to building ultrafast quantum computers.

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**Emcore Hires GM for Fiber Optics Unit**  
 20-year fiber optics industry veteran Dr. Liew-Chuang Chiu was named the new general manager for Emcore's Fiber Optics business, part of what the company said is a broad realignment of operational responsibility in the segment.

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**Photon Detected, But Not Absorbed**  
 It's possible to detect something as fragile as a single photon without destroying it, new research suggests. Single-photon sources have important applications in quantum networking, cryptography and information processing.

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**Precision Powell Lenses**  
**Laserline Optics Canada**  
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**Mini and Micro Lens Elements**  
**Argyle International**  
 Argyle International has added a new series of miniature and micro lens elements to its diverse line of custom optics. Sizes down to 0.8mm.

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**Laser Safety Portable Barriers**  
**Kentek Corporation**  
 Kentek's portable barriers are an alternative to laser safety curtain systems and are available in Flex-Guard™, Ever-Guard® and laser-safe acrylic materials.

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**Automatic Solids Discharging Centrifuge**  
**Sanborn Technologies**  
 The Turbo-Separator T40-2 is an automatic solids discharging centrifuge for cleaning coolants without the use of filter media. The centrifuge removes the 1 - 10 micron particles generated in fine grinding applications.

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**Aussies Aim to Transform Manufacturing with Photonics**  
 The University of Adelaide will work with local manufacturers to help them take advantage of emerging laser, sensor and other light-based technologies to transform their businesses under a two-year, \$500,000 government grant.

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**Lockheed Martin Cutting 4000 Jobs**  
 The defense contractor will close and consolidate several of its U.S. facilities and reduce its workforce by 4000 in response to continued government budget cuts.

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**Excelitas Technologies Acquires Lumen Dynamics**  
 The acquisition strengthens its UV and LED capabilities, optoelectronics maker Excelitas said.

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**Labsphere a Finalist for 'Product of the Year'**  
 The light-measurement software maker was named a finalist for the New Hampshire High Technology Council's 2013 Product of the Year award, with its Integral software receiving recognition from Gov. Maggie Hassan at a Nov. 12 ceremony.

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Industry Events

**EPIC Workshop on Biophotonics** - November 27 - 28, 2013 - Maastricht University Medical Center, The Netherlands

EPIC, the industry association promoting the sustainable development of organizations working in photonics in Europe, will hold the workshop "Unmet Healthcare Needs as Opportunities for Technologies" Nov. 27 and 28 in Maastricht, Netherlands. The conference is divided into four sessions. Session 1, "Setting the Scene - Introductory Presentations," will include discussions on the technology and business landscape, developing new ways to fund biophotonics devices, and the regulatory environment for medical devices. Session 2 covers "Electronics & Optics for Point-of-Care Devices for Chronic and Infectious Diseases," while Session 3 encompasses "Photonics Components for Medical Imaging & Microscopy" and Session 4 pertains to "Unmet Health Care Needs as opportunities for Photonics Technologies."

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