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**Give Thanks to the Turkey for Lasik**

When most people think about what to do with leftover turkey from Thanksgiving dinner, what often come to mind are turkey sandwiches, turkey pie, or, if you want to get fancy, turkey tetrazzini. But for a team at IBM, leftover turkey was the key ingredient that inspired one of today's most life-changing vision correction tools – laser-assisted in situ keratomileusis, or lasik.

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**Feeling the Ultrasensitive Force with a Levitating Nanoparticle**

Optically levitating nanoparticles in high-vacuum conditions have led to the measurement of the highest quality factors (Q-factors) in nano- and micromechanical oscillators. Oscillators with high Q-factors are gaining attention for their potential as ultrasensitive detectors.

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**Laser-Based Communications Passes Military Tests**

A monthlong evaluation of a high-speed, laser-based communications system funded by the Office of Naval Research was successfully tested by Exelis and its partner, the company said this week.

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**Compact Laser Generates Research-Quality X-rays**

A novel method generates research-quality x-rays using a "tabletop" laser, making such light sources more practical for advanced research.

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**Lunar Exploration to Begin**

NASA's Lunar Atmosphere and Dust Environment Explorer (LADEE) has entered its planned orbit around the moon's equator and is ready to begin collecting science data about our only natural satellite.

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**Aerotech - Ensemble LAB Motion Controller**

Aerotech's Byron Fruit presents the Ensemble LAB stand-alone motion controller for up to four axes of brush, stepper or brushless AC motor control, MPS series miniature linear and rotary and lift positioning stages, and ANT series nanopositioners at CLEO 2013.


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**IR Technique Sees Through Graphene Stacks**

An IR technique identifies and characterizes individual graphene layers in a large stack, providing information on the electronic properties of each layer. Such information opens the possibility of graphene-based optical devices for communications, imaging and signal processing.

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**Project Aims to Enhance Europe's Laser Competitiveness**

A new Seventh Framework Programme-funded project aims to bring industry and business together to speed the market launches of a variety of laser applications.

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**NI, UEdinburgh Partner on 'LiFi'**

National Instruments (NI) is collaborating with the University of Edinburgh to dramatically improve indoor wireless communications capacity using optics.

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**Nanorods Synthesized for Large-Scale Manufacturing**


A new technique that produces nanoscale gold rods in large quantities while also controlling their optical properties and dimensions could facilitate their high-volume manufacture for applications in biomedicine.

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Industry Events

**ASCB 53rd Annual Meeting 2013** - December 14 - 18, 2013 · New Orleans, LA

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As the premier international meeting in the field of cell biology, the ASCB (American Society for Cell Biology) Annual Meeting is intended for scientists and students in academia, industry, government, and higher education. Over 100 scientific sessions and 2500 poster presentations cover a variety of scientific areas within the discipline. With opportunities to learn about the latest research and network with peers, the ASCB Annual Meeting appeals to the diverse interests of the international cell biology community.

The ASCB Annual Meeting is the place to: Hear and communicate cutting-edge science; meet the leaders in the fields of cell biology, biophysics, stem cells, and genomics, among others; participate in intimate science discussion tables; attend sessions of special interest to students, minorities, and women; and learn where and how to apply, and advocate for, research funding.

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