

## The Lead



### [Photos of the Day: A smartgun that calls for automated backup](#)

December 3, 2014 | by ECN Staff | [Comments](#)

The .9 mm pistol would contain a chip that communicated with the officer's smart phone to send a "yellow" alert when the gun is drawn and a "red" alert when fired. Santa Cruz Sheriff Phil Wowak — whose department is testing the new system ...

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- [Photos of the Day](#)

### [Gift Guide: Get better at sports with smart gear](#)

December 3, 2014 9:40 am | by RON HARRIS, Associated Press | [Comments](#)

Advances in technology present sports enthusiasts with plenty of options to...

## News

Published on Electronic Component News (<http://www.ecnmag.com>)

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### [Gift Guide: Gadgets for avid TV viewers](#)

December 3, 2014 9:28 am | by ANICK JESDANUN, AP Technology Writer | [Comments](#)

For avid television viewers out there, the standard digital-video recorder...

### [Army's mobile satellite network enables rapid fire missions](#)

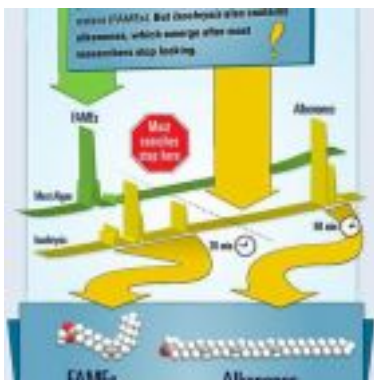
December 3, 2014 8:56 am | by U.S. Army | [Comments](#)

During the latest test of the Army's mobile tactical communications network, Warfighter...

[View Sample](#)

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### [Researchers produce two bio-fuels from a single algae](#)

January 29, 2015 4:01 pm | by EurekAlert! | [Comments](#)  
A common algae commercially grown to make fish food holds promise as a source for both biodiesel and jet fuel, according to a new study published in the journal Energy & Fuels. The researchers, led by Greg O'Neil of Western Washington

University ...



## [Mental health monitoring through 'selfie' videos and social media tracking](#)

January 29, 2015 3:44 pm | by EurekaAlert! | [Comments](#)  
Researchers at the University of Rochester have developed an innovative approach to turn any computer or smartphone with a camera into a personal mental health monitoring device. In a paper to be presented this week at the American Association for Artificial ...



## [Building Ontario's most gender-diverse engineering class](#)

January 29, 2015 3:24 pm | by Megan Crouse, Real-Time Digital Reporter, @abmdigi | [Comments](#)  
The first-year class of engineering students at the University of Toronto is 30 percent women, a record number for both the university and the province. National numbers, expected later this year, could show University of Toronto as Canada's most gender-diverse ...

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### [Using solar chips to monitor windows](#)

January 29, 2015 2:47 pm | by EurekaAlert! | [Comments](#)

It happens all too often in the cold times of the year: You open the window in the morning for fresh air and forget to shut it again. A thermostat reports cold temperatures, and the heating is turned up full blast - right out the window. But open windows are a ...

### [Study analyses internet, mobile, and video game effects on young users](#)

January 29, 2015 2:39 pm | by EurekaAlert! | [Comments](#)

A study conducted by researchers at the UAB, the Catalan Institute of Health (ICS) and the FPCEE Blanquerna (Ramon Llull University), and which included the methodological support of the Institute for Primary Healthcare Research (IDIAP Jordi Gol), has analysed the use ...



### [Bio-inspired autonomous vehicles expand Navy littoral capabilities](#)

January 29, 2015 2:37 pm | by EurekaAlert! | [Comments](#)  
Researchers at the U.S. Naval Research Laboratory (NRL) have taken inspiration from nature -- from fish, in particular -- to design and develop novel underwater propulsion, control, and sensing solutions for near-shore and littoral zone missions. Autonomous underwater vehicles ...



### [Could a new proposed particle help detect dark matter?](#)

January 29, 2015 2:30 pm | by EurekaAlert! | [Comments](#)  
Researchers at the University of Southampton have proposed a new fundamental particle which could explain why no one has managed to detect 'Dark Matter', the elusive missing 85 per cent of the Universe's mass. Dark Matter is thought to exist because of its gravitational ...

### [Elon Musk headlines Space Station research and development conference](#)

January 29, 2015 2:26 pm | by EurekaAlert! | [Comments](#)  
Independence Day is not the only important fourth this July. Hot on the heels of the holiday is the fourth annual International Space Station (ISS) Research and Development Conference, which takes place in Boston July 7 to 9. Launching this year's event is a keynote speaker who lives ...  
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- [Military & Aerospace](#)

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## [Virtual trainer takes serious approach to electronic warfare](#)

January 29, 2015 2:24 pm | by EurekaAlert! | [Comments](#)  
Missiles are launched at a Navy ship, and Sailors must decide in a matter of seconds how to keep from getting hit. Strike Group Defender: The Missile Matrix prepares Sailors for exactly this scenario, and was named "Best Government-Developed Serious Game" in the ...



## [Walking on ice takes more than brains](#)

January 29, 2015 2:21 pm | by EurekaAlert! | [Comments](#)  
Walking across an icy parking lot in winter--and remaining upright--takes intense concentration. But a new discovery suggests that much of the balancing act that our bodies perform when faced with such a task happens unconsciously, thanks to a cluster of neurons in our ...



### [Novel eye-tracking technology detects concussions and head injury severity](#)

January 29, 2015 2:10 pm | by EurekaAlert! | [Comments](#)  
New research out of NYU Langone Medical Center could move the medical community one step closer toward effectively detecting concussion and quantifying its severity. Neuroscientists and concussion experts from NYU Langone and elsewhere, in a study publishing online January ...



### [Nickelodeon to offer Internet-only subscription service](#)

January 29, 2015 2:02 pm | by ANICK JESDANUN, AP Technology Writer | [Comments](#)  
SpongeBob fans rejoice: Nickelodeon is the latest cable channel to plan a stand-alone Internet offering. What's not yet known is whether this offering will be the same channel as what cable and satellite TV subscribers now get. It's possible the service ...

TOPICS:

- [Consumer](#)



## [Photos of the Day: 'World's First Family Robot' raises \\$2M](#)

January 29, 2015 9:03 am | by Melissa Fassbender, Editor, PD&D, @melfass | [Comments](#)

Jibo, “The World’s First Family Robot,” raised more than \$2 million on the crowdfunding platform Indiegogo, making it one of the most funded projects in the site’s history. Turning to crowdfunding with the hope to raise Jibo awareness, as well as the social robotics movement ...

TOPICS:

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- [Consumer](#)

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## [Argonne model analyzes water footprint of biofuels](#)

January 29, 2015 1:10 am | by Argonne National Laboratory | [Comments](#)  
A new version of an online tool created by Argonne will help biofuels developers



## News

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gain a detailed understanding of water consumption of various types of feedstocks, aiding development of sustainable fuels that will reduce impact on limited water resources....



## [Envisioning pacemakers with Internet connections](#)

January 28, 2015 4:47 pm | by EurekaAlert! | [Comments](#)

The ageing of society needs new, more cost-effective solutions to improve the life quality of patients and cut the burden that is placed on the social welfare system. In modern western societies the fitting of pacemakers and implantable cardioverter defibrillators (ICDs) is ...

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