The Lead

Entries open for ECN IMPACT Awards, celebrating excellence in electronics design

August 12, 2014 | Comments

Companies from across the global electronics design landscape are invited to submit their stand-out products and services — in 24 categories — for consideration by a panel of judges for the 2015 ECN IMPACT Awards. The entry period opens today at www.ecnawards.com and ends January 19, 2015....

TOPICS:

- IMPACT Awards
- EDS

Obama takes step to improve government technology

August 12, 2014 3:52 pm | by JULIE PACE and STACY A. ANDERSON, Associated Press | Comments

The White House on Monday announced the creation of a team of digital experts...

Photos of the Day: A self-folding origami robot

August 12, 2014 12:09 pm | by ECN Staff | Comments

This tiny robot from Harvard microrobotics engineers Sam Felton and Robert Wood is a self-...

Photos of the Day: Supermileage car gets 383 MPG

August 5, 2014 12:15 pm | by Freudenberg-NOK Sealing Technologies | Comments

Freudenberg-NOK Sealing Technologies hosted two Concordia University students, along with their...

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The ECN Daily

Citizen scientists saving lives around deadly 'Throat of Fire' volcano

August 22, 2014 11:38 am | by EurekAlert! | Comments

Citizen scientists are saving the lives of people living in the shadow of deadly volcanoes according to new research from the University of East Anglia. A new report published today reveals the success of a volunteer group set up to safeguard communities around the 'Throat of Fire' Tungurahua volcano in the Ecuadorian Andes....

TOPICS:

- Industrial
- Military & Aerospace
- Power

Study identifies challenges faced by NYU nurses after Hurricane Sandy

August 22, 2014 11:33 am | by EurekAlert! | Comments

Many recall the dramatic images of nurses at New York University's Langone Medical Center (NYULMC) heroically evacuating over three hundred patients, carrying many including the youngest and most vulnerable down flights of stairs during the power outage resulting from the storm surge generated by Hurricane Sandy....

TOPICS:

- Consumer
- Power

Spectacular supernova's mysteries revealed

August 22, 2014 11:28 am | by EurekAlert! | Comments

New research by a team of UK and European-based astronomers is helping to solve the mystery of what caused a spectacular supernova in a galaxy 11 million light years away, seen earlier this year. The supernova, a giant explosion of a star and the closest one to the Earth in decades, was discovered earlier this year by chance at the University of London Observatory....

TOPICS:

- Computing
- Military & Aerospace

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CU-Boulder leads international unmanned aircraft testing event at Pawnee Grassland

August 22, 2014 11:24 am | by EurekAlert! | Comments

An international research effort organized by the University of Colorado Boulder conducted the first multiple, unmanned aircraft interception of a telltale rush of cold air preceding a thunderstorm known as a "gust front" as it rolled across the Pawnee National Grassland in northeast Colorado on Aug. 14....

TOPICS:

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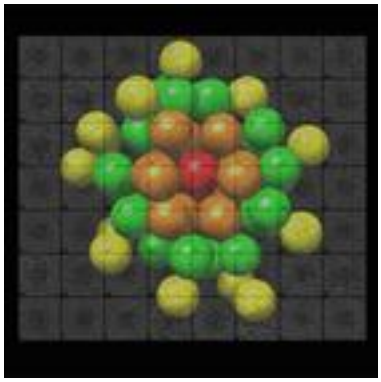

A breakthrough in imaging gold nanoparticles to atomic resolution by electron microscopy

August 22, 2014 11:20 am | by EurekAlert! | Comments

Nanometre-scale gold particles are intensively investigated for application as catalysts, sensors, drug delivery devices, biological contrast agents and components in photonics and molecular electronics. Gaining knowledge of their atomic-scale structures, fundamental for understanding physical and chemical properties, has been challenging....

TOPICS:

- Computing
- Consumer
- Distribution & Design Services

Are e-commerce models a threat to traditional Chinese TV brands?

August 22, 2014 11:20 am | by DisplaySearch | Comments

During the past year, new entrants such as Xiaomi, LeTV and Lenovo have been raising eyebrows in the industry with TV sets priced up to 30% lower and sold via e-commerce channels in China. This has led some to conclude that current TV brands are now facing “disruptive” competitors and retailing ...

Tech Tips: Sprint's new plans offer savings, though advantages shrink for families with kids

August 22, 2014 9:38 am | by ANICK JESDANUN AP Technology Writer | Comments

In revamping its prices and plans this week, Sprint is joining Verizon and AT&T in letting families share pools of data. The new Sprint plans are available starting Friday and reward families that need a lot of data. But the company is also keeping an unlimited-data plan that's beneficial for individuals - and competes with a similar T-Mobile offering....

TOPICS:

- Communications, Telecom/Datacom
- Consumer
- Distribution & Design Services

In our digital world, are young people losing the ability to read emotions?

August 22, 2014 9:32 am | by EurekAlert! | Comments

Children's social skills may be declining as they have less time for face-to-face interaction due to their increased use of digital media, according to a UCLA psychology study. UCLA scientists found that sixth-graders who went five days without even glancing at a smartphone, television or other digital screen did substantially better at reading human emotions than sixth-graders from the same school who continued to spend hours....

TOPICS:

- Communications, Telecom/Datacom
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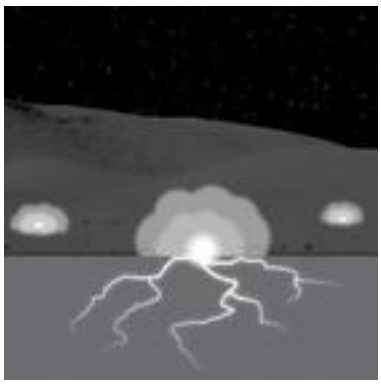

Electric sparks may alter evolution of lunar soil

August 22, 2014 9:27 am | by EurekAlert! | Comments

The moon appears to be a tranquil place, but modeling done by University of New Hampshire (UNH) and NASA scientists suggests that, over the eons, periodic storms of solar energetic particles may have significantly altered the properties of the soil in the moon's coldest craters through the process of sparking....

TOPICS:

- Computing
- Military & Aerospace

NASA scientists watching, studying Arctic changes this summer

August 22, 2014 9:23 am | by EurekAlert! | Comments

As we near the final month of summer in the Northern Hemisphere, NASA scientists are watching the annual seasonal melting of the Arctic sea ice cover. The floating, frozen cap that stretches across the Arctic Ocean shrinks throughout summer until beginning to regrow, typically around mid-September....

TOPICS:

- Military & Aerospace

Space Station inspired robot to help heal sick children

August 22, 2014 9:20 am | by EurekAlert! | Comments

Children love robots. In all shapes, sizes, "personalities" and "smarts," these electronic wonders have been found under Christmas trees by kids and unwrapped on birthdays for years. The gift of space-inspired robotics now goes beyond toys. They are lending a helping arm to pediatric doctors for children who require intensive surgical care....

TOPICS:

- Computing
- Consumer
- Medical
- Optoelectronics & Displays

Orgasm rates for single women less predictable than men's, vary by sexual orientation

August 22, 2014 9:10 am | by EurekAlert! | Comments

A new study of American singles found that during sex with a familiar partner, men

have the highest orgasm rates. On average, men experience orgasm 85.1 percent of the time, with their sexual orientation making little difference. For women, however, orgasm occurrence is less predictable....
TOPICS:

- Consumer
- Medical

Playing hunger games: Are gamified health apps putting odds in your favor?

August 22, 2014 9:05 am | by EurekAlert! | Comments
For many people, finding motivation to exercise is a challenge. Thankfully, there are Zombies chasing you. At least that's the approach of Zombies, Run!—one of more than 31,000 health and fitness apps on the market today, and one of the growing number of apps that use games to increase physical activity....
TOPICS:

- Communications, Telecom/Datacom
- Computing
- Consumer
- Medical

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Despite a significant reduction in smog-producing toxins, the Greater Toronto Area still violates Canada's standards for ozone air pollution

August 22, 2014 9:00 am | by EurekAlert! | Comments

Despite a significant reduction in smog-producing toxins in past decade, GTA still violates Canada's ozone standards. A new study shows that while the Greater Toronto Area (GTA) has significantly reduced some of the toxins that contribute to smog, the city continues to violate the Canada-wide standards for ozone air pollution....

TOPICS:

- Industrial
- Military & Aerospace
- Power

Scientists observe quantum vortices in cold helium droplets

August 22, 2014 8:56 am | by EurekAlert! | Comments

An international research team including DESY scientists has observed tiny quantum vortices in cold droplets of liquid helium. The team reports in the journal *Science* that the exotic vortices arrange themselves as densely packed lattices inside the nanodroplets....

TOPICS:

- Computing
- Optoelectronics & Displays
- Power

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