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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Upgrade to iOS 8 now or wait?

September 18, 2014 2:07 pm | by Associated Press | Comments

Apple's iOS 8 software update for iPhones and iPads is worth getting - but not necessarily right away. Those with an older device, such as an iPhone 4s or an iPad 2, might want to wait to see whether others have difficulties using iOS 8 with slower processors....

Senate: China hacked military contractor networks

September 18, 2014 2:02 pm | by JACK GILLUM, Associated Press | Comments

China's military hacked into computer networks of civilian transportation companies hired by the Pentagon at least nine times, breaking into computers aboard a commercial ship, targeting logistics companies and uploading malicious software....

Doing science just got cheaper -- and faster

September 18, 2014 1:46 pm | by EurekAlert! | Comments
Furnishing a research lab can be pretty expensive. Now a team led by an engineer at Michigan Technological University has published an open-source library of designs that will let scientists slash the cost of one commonly used piece of equipment....
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- Medical

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21ST WORLD CONGRESS
DETROIT 2014
INTELLIGENT TRANSPORT SYSTEMS

Reducing traffic congestion with wireless system

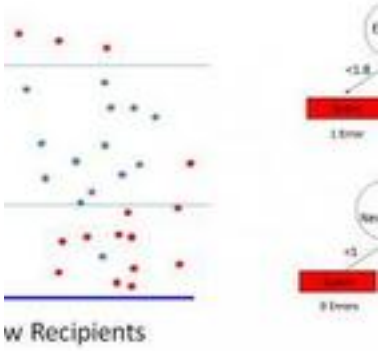
September 18, 2014 1:42 pm | by EurekAlert! | Comments

At the Intelligent Transportation Systems World Congress last week, MIT researchers received one of the best-paper awards for a new system, dubbed RoadRunner, that uses GPS-style turn-by-turn directions to route drivers around congested roadways....

Lunar explorers will walk at higher speeds than thought

September 18, 2014 1:35 pm | by EurekAlert! | Comments

Anyone who has seen the movies of Neil Armstrong's first bounding steps on the moon couldn't fail to be intrigued by his unusual walking style. But, contrary to popular belief, the astronaut's peculiar walk was not the result of low gravity....



Researchers solve data science tasks in big data era using decision trees learning

September 18, 2014 1:30 pm | by EurekAlert! | Comments

Data mining is the art of exploring large and complex bodies of data in order to discover useful patterns. Theoreticians and practitioners are continually seeking improved techniques to make the process more efficient, cost-effective and accurate....

Latest measurements from the AMS experiment unveil new territories in the flux of cosmic rays

September 18, 2014 12:30 pm | by CERN Press Office | Comments

The Alpha Magnetic Spectrometer collaboration has today presented its latest results. These are based on the analysis of 41 billion particles detected with the space-based AMS detector aboard the International Space Station. The results ...

Optomec signs agreement with Multistation for sales and support of LENS 3D Metal Printers in France

September 18, 2014 10:16 am | Comments

Optomec announced that it has signed an agreement with Multistation SAs to be its representative in France for its LENS family of 3D Metal Printers. The versatile printers and print engines are used to cost-effectively repair, rework and manufacture....

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Amazon founder's firm to build new rocket engines

September 18, 2014 9:22 am | by SETH BORENSTEIN, AP Science Writer | Comments

Amazon.com founder Jeff Bezos plans to build a rocket engine that would eventually replace the Russian mainstay used in many American unmanned launches. United Launch Alliance, a collaboration of two aerospace giants that launches ...

TOPICS:

- Military & Aerospace

News Corp opposes Google in EU antitrust case

September 18, 2014 9:15 am | by Associated Press | Comments

The media conglomerate controlled by Rupert Murdoch is joining the fray in Google's protracted European antitrust case, saying the technology company unfairly distorts competition. Robert Thomson, CEO of New York-based News Corp. ...

Photos of the Day: The A-10 Thunderbolt II

September 18, 2014 9:03 am | by ECN Staff | Comments

Proponents of the F-35 Joint Strike Fighter have been trying, for years, to retire the A-10 “Warthog” and replace it with the former. The A-10 excels at close-air support, and critics worry that a “Swiss Army Knife” like the F-35 — a jack of all trades.... TOPICS:

- Photos of the Day
- Military & Aerospace

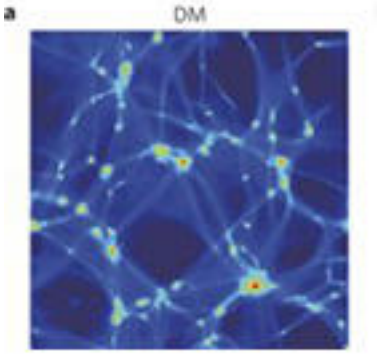
Car hacking: The security threat facing our vehicles

September 17, 2014 4:07 pm | by EurekAlert! | Comments

The car of the future will be safer, smarter and offer greater high-tech gadgets, but be warned without improved security the risk of car hacking is real, according to a QUT road safety expert. Professor Andry Rakotonirainy will speak at ...

TOPICS:

- Automotive



Reinterpreting dark matter

September 17, 2014 4:02 pm | by EurekAlert! | Comments

In cosmology, cold dark matter is a form of matter the particles of which move slowly in comparison with light, and interact weakly with electromagnetic radiation. It is estimated that only a minute fraction of the matter in the Universe is baryonic matter....

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Using solar energy to turn raw materials into ingredients for every day life

September 17, 2014 3:58 pm | by EurekAlert! | Comments

Just about everything we touch in the course of a day - car, phone, computer, fridge, detergent - even medicines, rely on the chemical industry to turn raw materials such as petroleum by-products, minerals and farm products into valuable

chemicals....

American-made wind turbine blades

September 17, 2014 3:31 pm | by Sandia National Laboratories | Comments
Sandia National Laboratories is helping makers of wind turbine blades improve the labor productivity associated with blade fabrication and finishing. This improved productivity makes domestic blades more cost competitive with blades from countries ...

Pages

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- ...
- next ›
- last »

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