The Lead

NERSC, Cray move forward with next-generation scientific computing

April 22, 2015 | by DOE/Lawrence Berkeley National Laboratory | Comments

The U.S. Department of Energy's (DOE) National Energy Research Scientific Computing (NERSC) Center and Cray Inc. announced today that they have finalized a new contract for a Cray XC40 supercomputer that will be the first NERSC system installed in ...

Nondestructive 3-D imaging of biological cells with sound

April 22, 2015 5:28 pm | by American Institute of Physics | Comments

Much like magnetic resonance imaging (MRI) is able to scan the interior of the human body, the...

One step closer to renewable propane

April 15, 2015 10:30 am | by Univ. of Manchester | Comments

Researchers at The Univ. of Manchester have made a significant breakthrough in the development...

Photos of the Day: The Satellite 2015 expo

March 18, 2015 9:33 am | by Jason Lomberg, Digital Editor, @JasonECNMag | Comments

SATELLITE 2015 had "communications solutions for every end-user of satellite communications and...

View Sample

FREE Email Newsletter

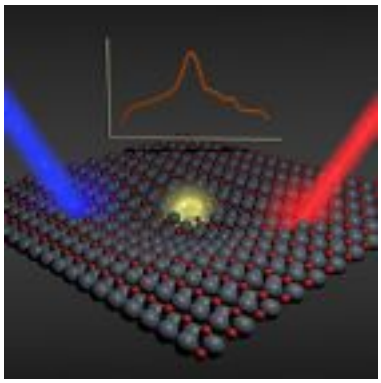
The ECN Daily

Industrial virtual factory lowers costs and reduces emissions

April 23, 2015 4:34 pm | by VTT Technical Research Centre of Finland | Comments

In collaboration with European companies and research institutes, VTT has developed a cloud-based, easily customized, modular software platform for improving the sustainability performance of industrial products by lowering

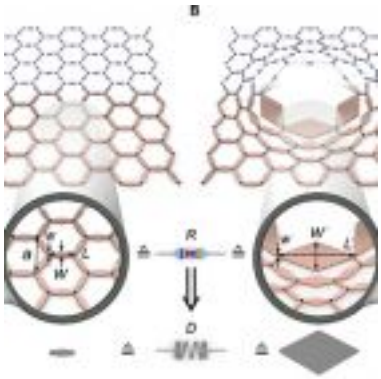
production costs and reducing emissions ...



Pseudoparticles travel through photoactive material

April 23, 2015 4:32 pm | by Karlsruher Institut für Technologie (KIT) | Comments

Researchers of Karlsruhe Institute of Technology (KIT) have unveiled an important step in the conversion of light into storable energy: Together with scientists of the Fritz Haber Institute in Berlin and the Aalto University in Helsinki/Finland, they studied the ...



Mechanical cloaks of invisibility -- without complicated mathematics

April 23, 2015 4:29 pm | by Karlsruher Institut für Technologie (KIT) | Comments

A honeycomb is a very stable structure. If it has a larger hole, however, stability is largely lost. What might a honeycomb look like, which survives external forces in spite of a hole? Such stable types of known constructions might be useful in architecture or when ...

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X-47B first to complete autonomous aerial refueling

April 23, 2015 4:25 pm | by Naval Air Systems Command | Comments

The X-47B successfully conducted the first ever Autonomous Aerial Refueling (AAR) of an unmanned aircraft April 22, completing the final test objective under the Navy's Unmanned Combat Air System demonstration program.

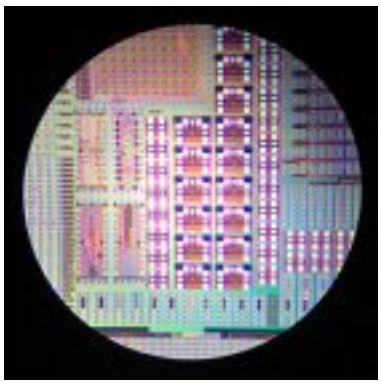
TOPICS:

- Military & Aerospace

How experience may lead to misperception

April 23, 2015 2:20 pm | by Bernstein Coordination Site (BCOS) | Comments

How long is the way from the city hall to the train station? When we estimate distances, something curious happens: short distances seem longer, and long distances shorter than they really are. Similar biases occur during judgments of volume, brightness or time....



Ultra-sensitive sensor detects individual electrons

April 23, 2015 2:16 pm | by FECYT - Spanish Foundation for Science and Technology | Comments

A Spanish-led team of European researchers at the University of Cambridge has created an electronic device so accurate that it can detect the charge of a single electron in less than one microsecond. It has been dubbed the 'gate sensor' and could be ...

Study: Self-driving 'taxibots' could replace 9 in 10 cars

April 23, 2015 2:12 pm | by ARTHUR MAX, Associated Press Writer | Comments

Transportation experts say car-congested cities could become a thing of the past, provided people are prepared to ride-share with a robot driver. A study published Thursday by the Paris-based Organization for Economic Cooperation and Development suggests ...

MEMS: The unseen machines

April 23, 2015 2:03 pm | by Georgia Institute of Technology | Comments
April 23, 2015 Atlanta, GA Hidden inside your smartphone are micron-scale sensors that detect acceleration, rotation and more. Georgia Tech researchers are developing similar micro-electromechanical systems -- known as MEMS -- for applications ranging from health care to agriculture.

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A new smartphone display: High resolution (WQHD) + in-cell touch

April 23, 2015 12:02 pm | by DisplaySearch | Comments
For years, panel makers have been interested in total solution products (display + touch modules). They have developed various embedded touch structures with touch controller IC makers to expand their scope to the touch business. This has allowed them to increase revenue by establishing a more...

Google wireless phone service challenges major carriers

April 23, 2015 11:28 am | by MICHAEL LIEDTKE, AP Technology Writer | Comments

Google is trying to shake up the wireless phone industry with a low-priced service designed to pressure major carriers into making it more affordable for people to get online and use Google's services. The service, called "Project Fi," debuted Wednesday, about two ...

Hello? Facebook launches phone-calling app for Android

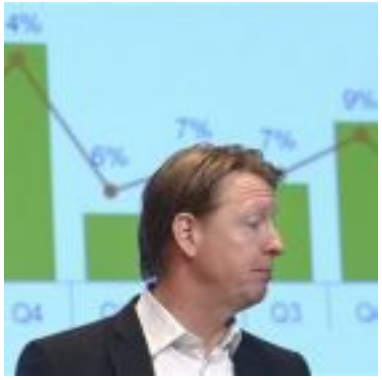
April 23, 2015 11:22 am | by Associated Press | Comments

Hello? Anyone there? Facebook unveiled a new voice-calling app for Android phones on Wednesday, the same day that its WhatsApp messaging service introduced voice-calling for iOS devices. Phone calls, it seems, are not dead yet....

As PayPal split looms, what's next for eBay

April 23, 2015 11:19 am | by MAE ANDERSON, AP Technology Writer | Comments

EBay plans to grow by thinking small as it prepares for life apart from PayPal. The company says it is focusing on getting more people, as well as small- to mid-size businesses, to buy and sell items on its popular online marketplace....



Ericsson profit hit by poor US performance, global sales up

April 23, 2015 11:15 am | by MATTI HUUHTANEN, Associated Press | Comments

Sluggish broadband demand in North America is hurting Ericsson, the world's largest networks maker, which reported Thursday a 14 percent drop in first-quarter net profit to 1.5 billion kronor ($ 173 million) despite a rise in global sales. The Stockholm-based company cautioned that no immediate ...

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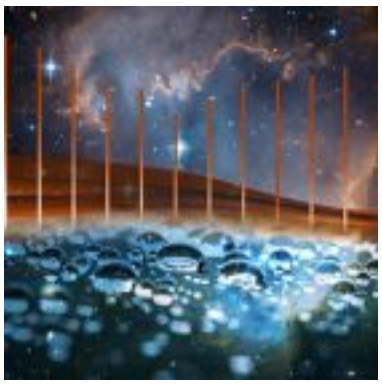

Caltech researchers create 'comb' that detects terahertz waves with extreme precision

April 23, 2015 11:10 am | by California Institute of Technology | Comments
Light can come in many frequencies, only a small fraction of which can be seen by humans. Between the invisible low-frequency radio waves used by cell phones and the high frequencies associated with infrared light lies a fairly wide swath of the ...

Photos of the Day: Volvo unveils 'in-car office' design

April 23, 2015 10:26 am | by Volvo | Comments
Volvo has precisely targeted the luxury executive lifestyle with a concept for an in-car office designed for busy businesspeople who are chauffeured to work. The “Lounge Console” replaces the front passenger seat, while the back seat remains ...
TOPICS:

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- Photos of the Day

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