

## TCCC-Member

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**From:** Steve Fuhlendorf [steve@taoschamber.com]  
**Sent:** Friday, September 11, 2009 3:22 PM  
**To:** 'Anita Bringas'  
**Subject:** FW: Los Alamos Report, Sept. 11 edition--news from Los Alamos National Laboratory

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**Sent:** Friday, September 11, 2009 11:48 AM  
**To:** losalamosreport@lanl.gov  
**Subject:** Los Alamos Report, Sept. 11 edition--news from Los Alamos National Laboratory

# LOS ALAMOS REPORT

## News from Los Alamos National Laboratory for September 11

Online at [www.lareport.blogspot.com](http://www.lareport.blogspot.com); subscription directions at bottom of this message

## Los Alamos Monitor

### Making waves in biofuels



Solix Biofuels' Coyote Gulch demonstration facility in southern Colorado.  
Solix photo.

"Algae has the benefit of being better at sequestering carbon of any cellulose producer that we've found so far," said Greg Goddard, a LANL bioscientist, who is adapting an acoustic focusing technology developed by Los Alamos National Laboratory to concentrate and manipulate algae cells for droplets of vegetable oil.

<http://www.lcni5.com/cgi-bin/c2.cgi?075+article+News+20090909180246075075002>

## NEW MEXICO BUSINESS WEEKLY

### Sound waves morph algae into green crude



A view of part of the production system Solix uses to grow algae.  
Courtesy Solix Biofuels

New acoustic technology developed at [Los Alamos National Laboratory](http://www.lanl.gov/) could help a Colorado startup gain a major edge in the emerging biofuels market..

<http://albuquerque.bizjournals.com/albuquerque/stories/2009/09/14/story3.html>

## RECHARGE

### Solix to use Los Alamos know-how to extract algal oil

Solix Biofuels has signed a research and development cooperation agreement with Los Alamos National Laboratory that the company believes will benefit its algal oil extraction process.

The deal gives Solix access to use and expand upon Los Alamos' patented acoustic technology that utilizes sound waves to concentrate the harvested algae mixture and to extract the oil from algae cells.

<http://www.rechargenews.com/energy/biofuels/article187729.ece>

## Technology PUBLISHED BY MIT Review

### Recyclable hydrogen fuel tanks

"Once you get the hydrogen out of the ammonia borane, you can't just pressurize it with more hydrogen to regenerate

the fuel," because this is too energy-intensive, says John Gordon, a research chemist at Los Alamos National Laboratory in New Mexico.

<http://www.technologyreview.com/energy/23370/?a=f>

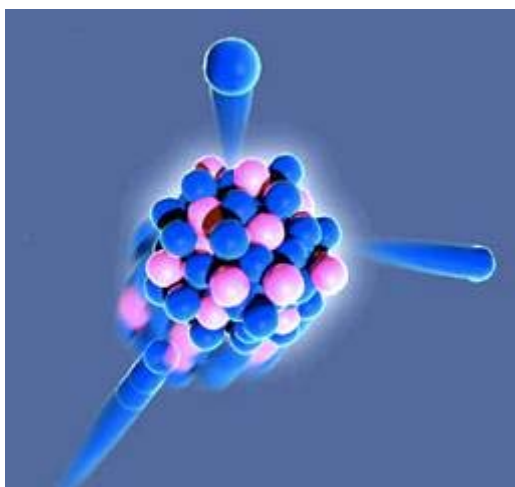


**A** new method for "recycling" hydrogen-containing fuel materials could open the door to economically viable hydrogen-based vehicles.

[http://us-tech.com/RelId/725582/ISvars/default/Rechargeable\\_fuel\\_ta.htm](http://us-tech.com/RelId/725582/ISvars/default/Rechargeable_fuel_ta.htm)



## Students set the tone for future physics experiments



LANL illustration depicting neutrons entering and exiting a molecule.

**M**ost undergraduate students learn the basics of their field in a classroom setting. However, this summer, two undergraduate students participated in an advanced physics experiment at the Los Alamos National Laboratory in New Mexico alongside UK Physics and Astronomy Professor Chris Crawford.

<http://kykernel.com/2009/09/09/students-set-the-tone-for-future-physics-experiments/>



## LANL subcontracts given

**S**ix small businesses are receiving subcontracts totaling up to \$200 million for providing architectural and engineering services to Los Alamos National Laboratory. The small businesses receiving the subcontracts from Los Alamos National Security LLC are Lopez Engineering Inc.; Merrick & Co.; Mosaic-STC, A Joint Venture; Professional Project Service Inc.; Vigil Enterprises Inc.; and Weidlinger-Navarro Northern New Mexico Joint Venture.

<http://www.santafenewmexican.com/Business/Business-briefs-for-Sept--8--2009>

# Los Alamos Monitor

## D'Agostino represents steady hand



NNSA Administrator Tom D'Agostino.

Last year appearing before the House Armed Services Committee on behalf of the Bush Administration, national nuclear weapons chief Thomas D'Agostino discussed plans for consolidating the sprawling weapons complex he administers.

<http://www.lcni5.com/cgi-bin/c2.cgi?075+article+News+20090905204335075075002>

# The New York Times

## Louis Rosen, 91, dies; worked on first nuclear bombs



Louis Rosen in his office at Los Alamos National Laboratory, where he spent his entire career. (Los Alamos National Laboratory photo)

. . . Rosen died on Aug. 15 in Albuquerque at the age of 91. . . . He was one of the last surviving links to the scientific giants who had created the atomic age — men like J. Robert Oppenheimer and Enrico Fermi as well as Dr. Teller. But more than that, he had also advanced the era.

[http://www.nytimes.com/2009/09/06/science/06rosen.html?\\_r=2&scp=1&sq=Louis](http://www.nytimes.com/2009/09/06/science/06rosen.html?_r=2&scp=1&sq=Louis)

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