

SERVING THE NATION

# LANL Construction: Pajarito Corridor

NEWS, EVENTS, OPPORTUNITIES

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## Chemistry and Metallurgy Research Replacement (CMRR)

The Chemistry and Metallurgy Research Replacement (CMRR) Project will relocate and consolidate mission-critical capabilities to ensure continuous support of U.S. stockpile stewardship objectives. CMRR's new Radiological Laboratory/Utility/Office Building (RLUOB) will be occupied in late 2011.



## Q&A

» All Questions &amp; Answers



Ask Us a Question!

## Most Recent Q&A

Why is the Laboratory building a new nuclear facility? Is the new facility important for the security of the nation?

A: Yes, the new facility is important for the security of the nation. The CMRR facility will enable the Laboratory to continue its contributions to maintaining and certifying the U.S. nuclear stockpile while sustaining the moratorium on nuclear testing. [Read more](#)

## NEWS & EVENTS

### Los Alamos National Laboratory construction forum draws hundreds

Web site gives businesses information about upcoming construction opportunities at Lab

LOS ALAMOS, New Mexico, June 16, 2010 - About 300 interested individuals attended a community forum Wednesday in Española sponsored by Los Alamos National Laboratory to learn about planned construction projects and potential economic opportunities at the Laboratory.

A publicly accessible Web site was unveiled at the meeting. The site will have up-to-date information about Laboratory construction projects and will include a moderated question-and-answer section where business owners and the general public can ask questions about the planned projects. [Read more](#)

## OPPORTUNITIES

### LANL is an equal opportunity employer.

- ▣ [Bidding Opportunities](#)
- ▣ [Small Business Opportunities](#)



## CONTACT US

To keep you well informed, we will use this Web site to communicate our construction plans and business opportunities and update the community on significant challenges (e.g., increased traffic, demand for housing).

Please direct your comments to  
[construction@lanl.gov](mailto:construction@lanl.gov)

## ABOUT THE AREA



The Pajarito Corridor encompasses a series of technical areas located along Pajarito Road, which runs through Los Alamos National Laboratory. These technical areas house a significant portion of LANL's nuclear operations.

Currently, and over an approximate 10-year period, the infrastructure of these technical areas will be modernized to ensure continuous support of U.S. stockpile stewardship objectives.

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## News Release

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## Los Alamos National Laboratory construction forum draws hundreds

Web site gives businesses information about upcoming construction opportunities at Lab

LOS ALAMOS, New Mexico, June 16, 2010—About 300 interested individuals attended a community forum Wednesday in Española sponsored by Los Alamos National Laboratory to learn about planned construction projects and potential economic opportunities at the Laboratory.

A publicly accessible Web site—<http://www.lanl.gov/construction/>—was unveiled at the meeting. The site will have up-to-date information about Laboratory construction projects and will include a moderated question-and-answer section where business owners and the general public can ask questions about the planned projects.

A number of construction projects are beginning and continuing for several years on Pajarito Road, including legacy cleanup initiatives, waste treatment facilities, enhanced security infrastructure for the Lab's plutonium facility, and the building of a replacement laboratory for chemistry and metallurgy sciences. Pajarito Road is an access-controlled road on LANL property between Los Alamos and White Rock.

Los Alamos Deputy Laboratory Director Isaac "Ike" Richardson said Wednesday's meeting was intended to give the public and other interested parties first-hand knowledge about the projects. "We are anticipating—over the course of about a decade—up to a thousand new jobs—mostly in construction crafts. Almost all will be hired through subcontractors.

"Today is the first glimpse of what it means for you, your company and Northern New Mexico," said Richardson, adding, "LANL is committed to providing a level playing field for employment and economic development opportunities."

Richardson also reminded the audience that construction projects at LANL are subject to funding that must be approved by Congress. "Nothing is certain until Congress acts and the President signs a bill," he said.

Tom McKinney, the Laboratory's associate director for Project Management and Site Services, said cultural and environmental impact studies have been completed while additional studies on local traffic impacts and utility needs are underway.

### About [Los Alamos National Laboratory](#)

Los Alamos National Laboratory, a multidisciplinary research institution engaged in strategic science on behalf of national security, is operated by Los Alamos National Security, LLC, a team composed of Bechtel National, the University of California, The Babcock & Wilcox Company, and URS for the Department of Energy's National Nuclear Security Administration.

Los Alamos enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

LANL news media contact: Steve Sandoval, (505) 665-9206, [steves@lanl.gov](mailto:steves@lanl.gov)

## News Releases [Archive](#) »

### Los Alamos National Laboratory attracts record number of students this summer

Contact: Laura Ambrosiano, (505) 667-7000, [lauraa@lanl.gov](mailto:lauraa@lanl.gov); Steve Sandoval, (505) 665-9206, [steves@lanl.gov](mailto:steves@lanl.gov)

LOS ALAMOS, New Mexico, September 7, 2010—Los Alamos National Laboratory this summer attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines. More than 1,300 students interned in both technical and nontechnical fields.

[» Read more](#)

## Fast Facts

Read about Los Alamos National Laboratory: [Fact Sheets](#)

### People

11,437 total employees  
Los Alamos National Security, LLC 9,452  
SOC (Guard Force) 510  
Other contractors 437  
Students 1,038

### Place

Located 35 miles northwest of Santa Fe, New Mexico, on 36 square miles of DOE-owned property.

More than 2,000 individual facilities, including 47 technical areas with 8 million square feet under roof.

Replacement value of \$5.9 billion  
Budget FY 2008: Approx. \$2 billion  
55% Weapons Programs  
8% Nonproliferation programs  
7% Safeguards and Security  
8% Environmental Management  
3% DOE Office of Science  
3% Energy and other programs  
15% Work for Others

### Workforce Demographics

43% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

Average Age: 45  
67% male, 33% female  
43% minorities  
72% university degrees

31% hold undergraduate degrees  
19% hold master's degrees  
22% have earned a Ph.D.

Major Awards  
113 R&D100 awards since 1978  
28 E.O. Lawrence Awards  
The Seaborg Medal  
The Edward Teller Medal

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LANL in the News	Current Research and Science	About LANL	Bid Opportunities	Community Calendar	Education Programs and Partnerships	Environment Info
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PUBLICATIONS	Research Library	Benefits	Supplier Forms	Strategic Partners	Science on Wheels	Compliance and Monitoring
1663 Science and Technology Magazine	Science, Technology, Engineering	Jobs	STIMULUS FUNDS	VISITING	Science Opportunities (K-12)	Environmental Risk Reduction
Actinide Research Quarterly	Strategic Science	Housing	Business Opportunities	Bradbury Science Museum	Students & Educators	Fire
Connections	Threat Reduction	Human Resources	Environmental Projects	Los Alamos Schools		Protecting Cultural Resources
Currents	Weapons Program	Required Training	Grant Proposals	Maps		Waste Management
Nuclear Weapons Journal		Retirement	Communications Center	Recreation		Water
Year In Review (07-08)		HEALTH, SAFETY	TECH TRANSFER	Security Checkpoints		
		Center of Excellence for Electrical Safety	Industry Partnerships	Visitor Guide		
		Institutional Biosafety Committee	Intellectual Property	Visitor Resources		
			Licensable Technologies			
			Technology Transfer			

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Phone

## ACQUISITION SERVICES MANAGEMENT

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Bid Opportunities

CMRR Project

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Forms for the Supplier

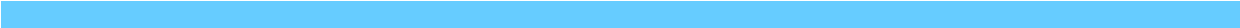
General Provisions

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### Bidding Opportunities/Solicitations

Request For Qualification	
Date of Notice	Desc.
August 26, 2010	Prequalification No. ADEP MTOA 1
	<a href="#">Waste Management, Treatment, Transportation, and Disposal Services (doc)</a>
	<a href="#">Waste Management, Treatment, Transportation, and Disposal Services (pdf)</a>
September 2, 2010	Prequalification No. ADEP MTOA 1 - WMTTD - REVISION Dated 9/1/10 (doc)
	Prequalification No. ADEP MTOA 1 - WMTTD - REVISION Dated 9/1/10 (pdf)
	Prequalification No. ADEP MTOA 2
	<a href="#">Waste Characterization, Processing, and Facility Management / Operations Support Services (doc)</a>
	<a href="#">Waste Characterization, Processing, and Facility Management / Operations Support Services (pdf)</a>
	Prequalification No. ADEP MTOA 2 - WCPFM - REVISION Dated 9/1/10 (doc)
September 2, 2010	Prequalification No. ADEP MTOA 2 - WCPFM - REVISION Dated 9/1/10 (pdf)
	Prequalification No. ADEP MTOA 3
	<a href="#">Environmental Services (doc)</a>
	<a href="#">Environmental Services (pdf)</a>
	Prequalification No. ADEP MTOA 3 - Environmental Services - REVISION Dated 9/1/10 (doc)
September 2, 2010	Prequalification No. ADEP MTOA 3 - Environmental Services - REVISION Dated 9/1/10 (pdf)
	Prequalification No. ADEP MTOA 4
	<a href="#">Technical Services (doc)</a>
	<a href="#">Technical Services (pdf)</a>

Request For Interest	
Date of Notice	Desc.
August 17, 2010	<a href="#">For the Procurement of Bubble Tight Isolation Damper Assemblies for the Chemistry and Metallurgy Research Replacement Project (CMRR) (pdf)</a>
August 17, 2010	<a href="#">Amendment No.1 (pdf)</a>
August 30, 2010	<a href="#">Amendment No.2 (pdf)</a>



Request For Interest	
Date of Notice	Desc.
August 16, 2010	<a href="#">For the Procurement of Safety Significant Air Handling Units for the Chemistry and Metallurgy Research Replacement Project (CMRR) (pdf)</a>
August 30, 2010	<a href="#">Amendment No. 1 (pdf)</a>

Request For Interest	
Date of Notice	Desc.
August 16, 2010	<a href="#">For the Procurement of HVAC Fan Assemblies for the Chemistry and Metallurgy Research Replacement Project (CMRR) (pdf)</a>
August 30, 2010	<a href="#">Amendment No. 1 (pdf)</a>

Request For Interest	
Date of Notice	Desc.
August 16, 2010	<a href="#">For the Procurement of Nuclear Air Treatment Systems for the Chemistry and Metallurgy Research Replacement Project (CMRR) (pdf)</a>
August 30, 2010	<a href="#">Amendment No. 1 (pdf)</a>

Request For Interest	
Date of Notice	Desc.
August 16, 2010	<a href="#">For the Procurement of Safety Class Fire Pump Assemblies for the Chemistry and Metallurgy Research Replacement Project (CMRR) (pdf)</a>
August 30, 2010	<a href="#">Amendment No. 1 (pdf)</a>

Request For Interest	
Date of Notice	Desc.
August 16, 2010	<a href="#">For the Procurement of Diesel Engine Driven Generator Sets for the Chemistry and Metallurgy Research Replacement Project (CMRR) (pdf)</a>
August 30, 2010	<a href="#">Amendment No. 1 (pdf)</a>

Date of Notice	Desc.
August 11, 2010	<a href="#">Business Networking Forum to be held on August 19, 2010</a> On behalf of The Associate Directorate for Environmental Programs at Los Alamos National Laboratory (LANL), you are cordially invited to attend the <a href="#">Business Networking Forum</a> to be held on August 19, 2010 at the Cities of Gold Conference Center, Pojoaque, New Mexico. For more information regarding the forum, please see the attached flyer and registration form. Seating will be limited
August 11, 2010	<ul style="list-style-type: none"><li>▫ <a href="#">Business Networking Forum Flyer (pdf)</a></li><li>▫ <a href="#">Registration Form (pdf)</a></li></ul>

Office Space Rental

Date of Notice	Desc.
June 24, 2010	<a href="#">Amendment 1 (pdf)</a>
May 24, 2010	<a href="#">Office Space Rental for CMRR Project (pdf)</a>

Request For Interest (RFI)

Date of Notice	Desc.
June 24, 2010	<a href="#">Amendment 1 (pdf)</a>
March 29, 2010	<a href="#">Supplier quality services for the Chemistry &amp; Metallurgy Research Replacement (CMRR) (pdf)</a>

If you have questions regarding these postings, please contact the Procurement Help Desk at 505-606-0368 or [phdhelpdesk@lanl.gov](mailto:phdhelpdesk@lanl.gov)

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# Acquisition Services Management Division , ASM

**Note 1:** Click on the ID Number to view the entire record.

ID	NAICS	Description	Estimated Value (\$)	Estimated RFP Release Date	Estimated Award Date	Competition Type
<a href="#">142</a>	236210	Architectural Finishes. Contact: Robert Ping, <a href="mailto:rwping@lanl.gov">rwping@lanl.gov</a> , (505) 664-0539	1 M	9/30/2010		
<a href="#">143</a>	236210	RF Radio Antenna. Contact: Robert Ping, <a href="mailto:rwping@lanl.gov">rwping@lanl.gov</a> , (505) 664-0539	1 M	1/1/2011		
<a href="#">144</a>	236210	Red Net Testing. Contact: Robert Ping, <a href="mailto:rwping@lanl.gov">rwping@lanl.gov</a> , (505) 664-0539	1 M	8/20/2010		
<a href="#">145</a>	236210	RLW Line. Contact: Robert Ping, <a href="mailto:rwping@lanl.gov">rwping@lanl.gov</a> , (505) 664-0539	5 M	9/16/2010		
<a href="#">146</a>	236210	Fuel Oil Tank. Contact: Robert Ping, <a href="mailto:rwping@lanl.gov">rwping@lanl.gov</a> , (505) 664-0539	1 M	11/4/2010		
<a href="#">148</a>	423610	IVR Refurbishment. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1.5 M			O
<a href="#">149</a>	423430	Timing Network. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	2 M	12/14/2010		O
<a href="#">150</a>	423830	Industrial Controls. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	2 M	12/14/2010		O
<a href="#">151</a>	423430	Time Data System. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	5 M	9/15/2010		O
<a href="#">152</a>	423620	805 RF Modular Deck. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1 M	10/15/2010		O
<a href="#">153</a>	334411	TH628 Diacrodes (6 each). Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1 M	10/15/2010		O
<a href="#">154</a>	423620	LLRF Field Control Modules. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1 M	10/15/2010		O
<a href="#">155</a>	423740	DTL Water System. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1 M	10/15/2010		O
<a href="#">156</a>		FPA Cavity. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	3 M	8/16/2010		O
<a href="#">157</a>	333298	IPA Integrated Cabinet/Cavity. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1 M	12/16/2010		O
<a href="#">158</a>	423430	LLRF New Reference Transmission Line. Contact: Dennis Mack, <a href="mailto:dmack@lanl.gov">dmack@lanl.gov</a> , (505) 667-9897	1 M	7/17/2010		O
<a href="#">160</a>	324110	SUBCONTRACTOR shall furnish qualified personnel, equipment, materials and facilities to perform all services necessary to provide the Laboratory with bulk and cylinder propane gas supply and the delivery of Propane to LANL. Contact: Robert Manzanares, <a href="mailto:rbmanzanares@lanl.gov">rbmanzanares@lanl.gov</a> , (505) 665-0504	1.5 M	9/30/2010		S
<a href="#">163</a>	335313	Low Voltage Electrical Maintenance, Contact: Kathy Smith, <a href="mailto:kathys@lanl.gov">kathys@lanl.gov</a> , (505) 667-3259	14.5 M	10/15/2010		S
<a href="#">164</a>	562910	Environmental Remediation Services - Off-Site Analytical Laboratory Services. Multiple subcontract awards may be awarded to cover a 3 year base period and 2 1 year options. Contact: Feliz Vigil,	100 M	6/1/2011		O



		vigil_f@lanl.gov, (505) 667-3219			
<a href="#">165</a>	562910	Environmental Remediation Services - Technical Services with a focus on technical, regulatory, and non-field support. Multiple Master Task Ordering Agreements (MTOA) will be awarded to cover a 3 year base period with a 2 1 year option. Prequalifications will be requested in August, 2010. Contact: Larry Quinlan, quinlan_l@lanl.gov, (505) 606-0094	150 M	10/1/2010	S
<a href="#">166</a>	562910	Environmental Remediation Services - Environmental Services will include RA/D&D, sampling, and a focus on field support. Multiple MTOAs will be awarded to cover a 3 year base period with 2 1 year options. Prequalifications will be requested in August, 2010. Contact: Mark Backus, backus_mark_k@lanl.gov, (505) 665-9781	400 M	10/1/2010	S
<a href="#">167</a>	562910	Environmental Remediation Services - Waste Characterization, Processing, & Nuclear Facilities Operations Management Support Services. Multiple MTOAs will be awarded to cover a 3 year base period with 2 1 year options. Prequalifications will be requested in August, 2010. Contact: James McGill, mcgill_james@lanl.gov, (505) 665-5638	200 M	10/1/2010	S
<a href="#">168</a>	562910	Environmental Remediation Services -Waste Management, Treatment, Transportation, and Disposal. Multiple MTOAs will be awarded to cover a 3 year base period with 2 1 year options. Prequalifications will be requested in August, 2010. Contact: Jean Renner, jcrenner@lanl.gov, (505) 606-2172	250 M	10/1/2010	S
<a href="#">78</a>	TBD	Vacuum Products, Contact: TBD RFP Date: TBD	14 M		O
<a href="#">82</a>	423120	Automotive Parts, Contact: Frank Sedlacek, sedlacek@lanl.gov, (505) 667-0418	3 M	8/30/2010	S
<a href="#">122</a>	423430	Networking Equipment - Edge Switches, Contact: Barbara Wolf, bwolf@lanl.gov, (505) 606-1673	14.5 M	11/30/2010	S
<a href="#">132</a>	325120	SUBCONTRACTOR shall furnish qualified personnel, equipment, materials and facilities to perform all services necessary to provide the Laboratory with Grade A or higher refrigerated liquid helium, dewar rentals, service of government owned dewars. Contact: Robert Manzanares, rbmanzanares@lanl.gov, (505) 665-0504	5.3 M	8/30/2010	S
<a href="#">137</a>	237130	Temporary Utilities. Contact: Robert Ping, rwping@lanl.gov, (505) 664-0539	10 M	11/1/2010	S
<a href="#">138</a>	238910	Site Preparation Laydown. Contact: Robert Ping, rwping@lanl.gov, (505) 664-0539	25 M	10/1/2010	
<a href="#">139</a>	237130	Site Utilities Relocation. Contact: Robert Ping, rwping@lanl.gov, (505) 664-0539	5 M	10/1/2010	
<a href="#">140</a>	236210	OSP Security Cable & Horizontal Pull. Contact: Robert Ping, rwping@lanl.gov, (505) 664-0539 RFP Date: TBD	5 M	8/20/2010	
<a href="#">141</a>	238910	Site Excavation. Contact: Robert Ping, rwping@lanl.gov, (505) 664-0539 RFP Date: TBD	30 M	10/1/2010	

**Competition Type**

- O = Open Competition
- S = Small Business Set-Aside
- 8 = 8(a) Set-Aside
- D = Service Disabled Veteran-Owned Set-Aside



H = HUBZone Set-Aside

Forecast opportunities noted above are subject to availability of funding.  
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SERVING THE NATION

# LANL Construction: Pajarito Corridor

NEWS, EVENTS, OPPORTUNITIES

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## QUESTIONS & ANSWERS

**I've heard that LANL employees working in the area will be transported by bus to their work stations. Where can I learn more about the details; such as frequency of the buses, bus pick ups, drop offs, etc.?** Thu Aug 12 2010

A: There are no specific, future plans for busing workers to their work locations along the Pajarito Corridor, with the exception of construction craft workers, who will be bused from a dedicated parking lot to future construction sites. A dedicated parking lot has not yet been established nor constructed, and will be announced when it becomes available for construction craft workers only. Mon Aug 16 2010

**I heard that Pajarito road will be closed between TA-3 and TA-55. Where can I find more information about this closure?** Tue Aug 03 2010

A: Any road restrictions on Pajarito Road due to future construction along the Pajarito Corridor are not expected until 2012. A high priority has been placed on various ongoing analyses evaluating institutional impacts, including safety considerations, to support a decision about road restrictions. Wed Aug 04 2010

**I am interested in obtaining employment in the program management/construction field as referenced in your LANL website. Can you provide information on where to send my resume and fill out job applications?** Mon Jul 26 2010

A: LANL has no plans to hire directly for construction projects along Pajarito Corridor. That effort will be handled by contractors and sub-contractors at the time contracts are awarded. For job opportunities at LANL, visit [www.hr.lanl.gov](http://www.hr.lanl.gov). Click on the 'jobs@lanl' link for a current listing of job openings. The HR Web page has several links for job openings in various categories, as well as an 'application process' link. Wed Aug 04 2010

**With the expected large influx of workers for the construction project, it seems likely that housing may become a problem. What plans is LANL making to ensure that summer students and year-round post docs will have housing available to them?** Thu Jul 22 2010

A: The Laboratory's Education and Postdoc Office helps maintain online links to local housing resources for students. We don't plan to promote these resources for non-student housing needs, but housing availability is ultimately decided by residents and businesses in the community and there are no practical means of guaranteeing sufficient student housing will always be available. Thu Jul 29 2010

**Will the Pajarito Corridor consist of a new Wellness Center facility?** Tue Jul 20 2010

A: A new wellness center is not planned along the Pajarito Road Construction Corridor. Thu Jul 22 2010

**Why is the Laboratory building a new nuclear facility? Is the new facility important for the security of the nation?** Sun Jun 27 2010

A: Yes, the new facility is important for the security of the nation. The CMRR facility will enable the Laboratory to continue its contributions to maintaining and certifying the U.S. nuclear stockpile while sustaining the moratorium on nuclear testing. Further, it will support work in counter-terrorism, nuclear forensics, and nonproliferation. At the same time, CMRR will better protect the health and safety of workers, the public, and the environment compared with the facility it replaces. Plutonium pit manufacturing operations have been-and will continue to be-performed at a separate existing facility, known as the Plutonium Facility, not at the CMRR facility. CMRR will be a world-class working laboratory for the science of actinide elements,

## Q&A

[» All Questions & Answers](#)



Ask Us a Question!

## Most Recent Q&A

**Why is the Laboratory building a new nuclear facility? Is the new facility important for the security of the nation?**

A: Yes, the new facility is important for the security of the nation. The CMRR facility will enable the Laboratory to continue its contributions to maintaining and certifying the U.S. nuclear stockpile while sustaining the moratorium on nuclear testing. [Read more](#)

## Policy for Question Submittals

The "Ask Us a Question!" column addresses your questions about Los Alamos National Laboratory's construction activities along the Pajarito Corridor. It is not a forum for personal comments regarding these construction activities, or for other business of the Laboratory.

Questions must be relevant and appeal to a broad segment of the public. The "Ask Us a Question!" moderator will determine the relevancy of submissions, and all questions will be edited for appropriateness, tone, clarity, timeliness, and length. All questions will be posted without the authors' names.

Questions deemed to be inappropriate or contrary to stated policy will not be accepted; the moderator reserves the right not to publish a submission.

If you have a comment, not a question, send it to [construction@lanl.gov](mailto:construction@lanl.gov). Thank you!

including plutonium and uranium. Wed Jun 30 2010

It is rumored that the RLWTF project is being put on hold due to changing priorities. Can you please confirm? Sun Jun 27 2010

A: There has been no direction to place the RLWTF project on hold. The current path forward is to continue with the design of the facility in accordance with the approved plan. Wed Jun 30 2010

Can a small business become involved in soliciting for procurement of needed supplies? Sun Jun 27 2010

A: The process will be handled according to bid specifications. Generally, there is an avenue to get small businesses involved; LANL's Small Business Office [link to [www.business.lanl.gov](http://www.business.lanl.gov)] can assist. LANL also suggests looking into working with the LANL Technical Assistance Program. Additionally, NQA-1 will be the standard for qualified materials, and covers the standard for facilities. The Laboratory will work with subcontractors and is trying to design without specifications to a certain brand or type of product. Wed Jun 30 2010

What margin of resilience does LANL have, and what margin of safety, for building these new facilities within the next 10 years? Sun Jun 27 2010

A: Construction progress depends on the availability of Congress to provide funding for the projects, and is planned over a duration period of 10 years. Some facilities are old and it is more cost effective for the government to build new than to maintain old facilities. Wed Jun 30 2010

Regarding environmental stewardship, with roughly 122,000 cubic yards of concrete and fill slated for construction use, what is the impact of water and runoff for surrounding communities? Sun Jun 27 2010

A: Lean fill is being used, requiring little water use. Studies are currently being conducted into future water, sewage, and utility needs and impacts. Regarding runoff, the Laboratory must continue to comply with an Environmental Protection Agency permit on stormwater. This permit requires us to control and monitor water run-on and run-off, and comply with EPA limits for any substances in the runoff. Other projects on Pajarito Road, including remediations at Material Disposal Areas C and G, as well as the closure of Technical Area 54, are additional and very important steps in protecting the environment and surrounding communities. Wed Jun 30 2010

If the new CMRR facility will increase land caps to produce plutonium pits, how does LANL plan to protect the community? Sun Jun 27 2010

A: Machining will continue; however, a majority of this work is done in the existing Plutonium Facility (PF-4). The Chemistry and Metallurgy Research Replacement (CMRR) facility will allow the Laboratory to continue safe storage while consolidating and storing a larger amount of materials. Wed Jun 30 2010

With increased construction and craft workers needed, are there plans to cover increases in housing needs for national construction crews moving here from other areas? Sun Jun 27 2010

A: Considerations must be made for increased housing needs. This issue is part of the traffic studies currently being conducted; information will be forthcoming when the studies are completed. Wed Jun 30 2010

Will new project contracts be used in other procurements? Sun Jun 27 2010

A: Procurements currently in place will remain in place. Large projects will have separate procurements; they are generally stand-alone procurements. Wed Jun 30 2010

With the building of a high-risk nuclear facility, are there special requirements imposed upon contractors? Sun Jun 27 2010

A: The bidding and submission process will specify the requirements needed. The nuclear facility will be built under qualifications of NQA-1, which is a national standard for Quality Assurance requirements for nuclear construction developed by the American Society of Mechanical Engineers. It is a basic requirement for all nuclear construction in the United States. Wed Jun 30 2010

Has the Laboratory looked at the potential of using light rail to transport employees from outlying communities? Sun Jun 27 2010

A: Rail studies show low ridership for employee commuting and has not been discussed for this construction effort. Wed Jun 30 2010

Has the Laboratory looked at workforce needs with respect to workforce development and using workforce partners to provide future income to local residents? Sun Jun 27 2010

A: The Laboratory works collaboratively with the New Mexico Department of Workforce Solutions. Wed Jun 30 2010

Is 'Pajarito Corridor' just semantics? Sun Jun 27 2010

A: The Pajarito Corridor is simply an easy reference to the area along Pajarito Road at which new construction will take place. Wed Jun 30 2010

Is National Environmental Policy Act (NEPA) work continuing to be done regarding the Pajarito Corridor that include traffic studies? Sun Jun 27 2010

A: The Laboratory has NEPA documentation for nuclear facility planning and plans to compare it with the Environmental Impact Statement (EIS) to ensure compliance standards are met. Initial plans are being analyzed for road modifications, impacts of increased traffic, and safety. A supplemental EIS may be necessary. Wed Jun 30 2010

What is the strategy for dealing with plutonium fires? Sun Jun 27 2010

A: There was a plutonium fire at Rocky Flats in Colorado many years ago. Many lessons were learned from that fire about suppression and inert environments to perform current work safely. Wed Jun 30 2010

How does the push for increased plutonium pit production jibe with President Obama's nonproliferation posture? Sun Jun 27 2010

A: The Chemistry and Metallurgy Research (CMR) facility was built in the 1950s. Newer, modernized buildings will be safer for employees and the surrounding communities than the older, existing buildings. The new facility will support efforts in maintaining U.S. stockpile stewardship objectives, which are determined by many federal agencies nationwide. The Nuclear Stockpile Review decides how many nuclear weapons remain in the stockpile, many of which are 30 years old or older. Some of this work will involve LANL. Wed Jun 30 2010

What level of clearance will be required of workers hired for Pajarito Corridor construction? Sun Jun 27 2010

A: Workers employed throughout the construction phases will be primarily uncleared personnel. All employees will be badged for site access. This personnel pool will include foreign nationals. Wed Jun 30 2010

Will all legacy waste be cleaned up? Sun Jun 27 2010

A: The Laboratory is committed to meeting all of its responsibilities under the 2005 Consent Order on cleanup with the state of New Mexico. The New Mexico Environment Department has the authority to approve all remedies, which could include cleanup and removal of waste, installing thick coverings of soil and rock to isolate the waste, or combinations thereof. Under the Consent Order, remediation and cleanup activities must be complete by the end of 2015. The Lab is fully incorporating these activities into its plans for the Pajarito Road construction work. Get more information on the Consent Order [link to [http://www.lanl.gov/environment/compliance/consent\\_order.shtml](http://www.lanl.gov/environment/compliance/consent_order.shtml)] Wed Jun 30 2010

What are the expectations of construction-worker needs to be met by New Mexicans, and those of national construction crews? Sun Jun 27 2010

A: There will be a call for craft personnel, and economics will determine need and availability. LANL is highly motivated to hire locally and will make sure that construction bidders understand this. For job placement and training, LANL has agreements in place with New Mexico colleges and universities and the Green Jobs Initiative and Renewable Center, with a focus on nursing and technical vocations and computer science technicians. LANL's National Science Education Center works with four-year educational institutions that help train students for jobs in LANL facilities. Wed Jun 30 2010

Are there plans for preparation and training of northern New Mexico residents for craft work? Sun Jun 27 2010

A: LANL currently staffs about 850 craft-support workers that maintain Laboratory operations;

there has been little difficulty acquiring qualified, local craft workers. Wed Jun 30 2010

**Will there be procurement opportunities for minority groups, e.g., 8A and Super 8A?** Sun Jun 27 2010

A: LANL is committed to doing business with qualified small businesses and will continue its current practices of setting aside procurement opportunities for qualified small business or making awards to qualified small business in an open competition. LANL negotiates small business goals with NNSA annually, including the various socio-economic goals (i.e., small disadvantaged, women-owned, service-disabled veterans, HUBZone, and veteran-owned). The Laboratory is currently meeting and exceeding the goals that were negotiated for fiscal year 2010. Wed Jun 30 2010

**Has there been identification of green jobs and green industrial landfills for construction and demolition waste, to divert, recycle, and reuse materials?** Sun Jun 27 2010

A: LANL has and will work with subcontractors to look closely at what can be recycled. This also is part of the Radiological Laboratory/Utility/Office Building's (RLUOB's) LEED certification process. There is not a lot of demolition and disposal as a result of projects. Excavation materials will be used as source materials for earthen caps for the proposed remediation of on-site disposal areas. There will be minimal material going to landfills. Wed Jun 30 2010

**Eventually a section of the Pajarito Corridor will likely be closed off, resulting in traffic impacts. Has building a bypass road around the site been considered?** Sun Jun 27 2010

A: A variety of road construction options are currently being discussed. Building a bypass road may be difficult, however, because the Pajarito Corridor sits on a plateau with steep canyons on either side, leaving little room for safe road expansion. Wed Jun 30 2010

**Please clarify the route that will be used by heavy trucks going to the Pajarito Corridor?** Sun Jun 27 2010

A: Trucks will travel west on NM 502, then south on NM 4, and west on Pajarito Road. Wed Jun 30 2010

**What will happen to the LANL employees who work in the area during the Pajarito Corridor construction?** Mon Jun 07 2010

A: LANL employees who do not need to reside on the Pajarito Corridor will be relocated to other LANL areas to reduce congestion along the roadways. Employees who have laboratories or other special equipment on the corridor will remain in their existing locations. Tue Jun 08 2010

**What are the construction projects located on the Pajarito Corridor?** Mon Jun 07 2010

A: These projects include the Chemistry & Material Research Replacement (CMRR) Project; Nuclear Materials Safeguards and Security Upgrade Project (NMSSUP), Phase II; TA-55 Revitalization Project (TRP), Phases II & III; Radioactive Liquid Waste Treatment Facility (RLWTF); Consolidated Waste Capability (CWC); Material Disposal Area-C Closure; Material Disposal Area-G Closure; and Waste Disposition Project. Thu Jun 10 2010

**What is the Pajarito Corridor?** Mon Jun 07 2010

A: The Pajarito Corridor is a series of technical areas adjacent to Pajarito Road, which runs through Los Alamos National Laboratory. These technical areas house a significant portion of the nuclear operations at LANL. Tue Jun 08 2010

**How many LANL employees work along the Pajarito Corridor?** Mon Jun 07 2010

A: Approximately 4,600 LANL employees work along the corridor. Tue Jun 08 2010

**How long will this construction activity take?** Mon Jun 07 2010

A: The construction activity for all LANL projects is expected to last approximately ten years, through 2020. Tue Jun 08 2010





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Los Alamos is located in Northern New Mexico about 35 miles (about 40 minutes drive) northwest of Santa Fe, and an hour and 40 minutes drive from Albuquerque.

Laboratory facilities can be found in 50 different work areas that are spread across 43 square miles; the Laboratory has more than 1,800 buildings.

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A comprehensive online guide for transportation, lodging, dining, entertainment, recreation, weather and more. This information is publicly available.

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## About Los Alamos

Los Alamos National Laboratory is a premier [national security](#) research institution, delivering [scientific and engineering solutions](#) for the nation's most crucial and complex problems. Our primary responsibility is ensuring the safety, security, and reliability of the nation's [nuclear deterrent](#).

The Los Alamos of today emphasizes worker [safety](#), effective operational [safeguards & security](#), and [environmental stewardship](#), while outstanding science remains the foundation of the Laboratory.

In addition to supporting the Lab's core national security mission, our work advances bioscience, chemistry, computer science, earth and environmental sciences, materials science, and physics disciplines.

## Global Leadership

Los Alamos National Laboratory personnel play leading roles worldwide in basic and applied scientific research and technology. Whether it's conducting crucial experiments in [space](#) and at our [linear accelerator](#) in Northern New Mexico or developing breakthroughs in [nanotechnology](#) and determining how best to prevent the spread of HIV and [avian flu](#), the men and women of Los Alamos help lead the way.

Lab R&D helps curb a wide variety of [threats](#) to U.S. interests—whether it's the proliferation of nuclear weapons, the spread of deadly diseases, inadequate supplies of energy, or the effects of climate change.

## What's on Tap

The Laboratory has a [proud past](#), and our future is filled with promise:

- Advances in high-performance computing may lead to the first petascale computer, named Roadrunner, based on "accelerator" video game technology. Computer scientists will reach for the elusive petaflop—a million billion calculations per second—in 2008.
- The second axis of the Laboratory's [Dual Axis Radiographic Hydrotest \(DARHT\) facility](#) will become operational in 2008 and add a high-energy four-pulse, 3D capability to the Lab's mix of experimental resources.
- Construction continues on the [Chemistry and Metallurgy Research Replacement facility](#), key to supporting the nation's ability to replace existing plutonium pits, the triggers for nuclear weapons.

As broad, deep, and complex as the Laboratory's activities may be, [12 Labwide goals](#) convey their essence, and recent [achievements](#) toward them demonstrate our commitment.

## News & Information—Science & Technology

Please see our latest [news](#) and, in the Laboratory's [1663 magazine](#), some of our more interesting science and technology features.

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## Job Status

The turnaround time for hiring decisions can vary greatly since each employment action involves approvals from various parties across the Laboratory.

Please check whether the application window for a previously advertised LANS regular position has [closed](#), whether the position has meanwhile been [filled](#), or whether the position has been [cancelled](#).

Job applicants should direct any other status inquiries to the Human Resources Division's Service Center at [4myhr@lanl.gov](mailto:4myhr@lanl.gov) or (505) 664-6947. Applicants who have recently interviewed for a Laboratory position will want to contact the hiring organization for status queries.

### Electronic Employment Verification Program

Los Alamos National Laboratory is a participant in the E-Verify (Electronic Employment Verification) program. LANL will provide the Social Security Administration and, if necessary, the Department of Homeland Security, with information from each new employee's Form I-9 to confirm work authorization.

Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

For more information please view the E-Verify Participation poster ([English/Spanish](#)) and the Right to work poster ([English/Spanish](#)) in PDF format.

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2 Million Smart Meters and Counting...



One of the 2 million smart meters installed across the U.S.

Secretary Chu recently announced that [two million smart grid meters](#) have been installed across the country, helping to reduce energy costs for families and businesses. As a result of funding from the Recovery Act, smart grid technology is speeding the modernization of the nation's electrical grid, helping to reduce the amount of time needed to respond to energy disruptions and enable consumers to monitor their energy consumption and costs.

You can learn more about the postive impact these meters are having by visiting the [Energy Blog](#).

Blog

Today: Live from the Carbon Capture and Storage Forum

Earlier this week Secretary Chu announced \$575 Million dollars in funding for 22 projects across 15 states, projects that will accelerate carbon capture and storage research and development for industrial sources. The selections include projects from four different areas of carbon capture and storage (CCS) research and development: 1) Large scale testing of advanced gasification technologies; 2) advanced turbo-machinery to lower emissions from industrial sources; 3) post-combustion CO2 capture with increased efficiencies and decreased costs; and 4) geologic storage site characterization.

Today the Secretary will join Senator Jay Rockefeller for a forum at the University of Charleston in West Virginia to break down the impact CCS can have and what the United States is doing to pioneer this innovative technology. I'll be live at the event from 3-4:30pm EDT, tweeting updates and sharing images from the forum as it happens. [Follow the live updates on twitter >](#)

From Autos to Accelerators


Physicist Terry Grimm has a vision for Lansing, Michigan.

In a town haunted by the remains of fallen automobile plants, his company and others like it are hiring workers to put their car-manufacturing skills toward building particle accelerators.

"People question whether manufacturing is going to go away in this country," Grimm said. "That's not the case. There's enough high-tech industry that needs it. We need the same expertise that the auto industry required." [Learn how Terry's making his vision a reality >](#)


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
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
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The National Renewable Energy Laboratory has developed a new, low-cost etching technique that can put a trillion holes in a silicon wafer the size of a compact disk. These tiny holes make the silver-gray silicon almost pure black and able to absorb nearly all of the colors of light from the sun - a breakthrough that will likely lead to cheaper and more effective solar cells.

[Find out how >](#)

**News**

New Recovery Act Funding Boosts Industrial Carbon Capture and Storage Research and Development

Washington, D.C. - U.S. Energy Secretary Steven Chu announced the selection of 22 projects that will accelerate carbon capture and storage research and development for industrial sources.

[more>](#)

Department of Energy Announces \$8.5 Million to Advance Solar Energy Grid Integration Systems

Washington, DC - U.S. Energy Secretary Steven Chu announced that the Department of Energy's Sandia National Laboratories is investing \$8.5 million for four projects that have reached Stage III of the Solar Energy Grid Integration Systems (SEGIS) program.

[more>](#)

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- ▶ the pages you peruse (recorded by the text and graphics files that compose that page),
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# LANL Construction: Pajarito Corridor

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## Chemistry and Metallurgy Research Replacement (CMRR)

The Chemistry and Metallurgy Research Replacement (CMRR) Project will relocate and consolidate mission-critical capabilities to ensure continuous support of U.S. stockpile stewardship objectives. CMRR's new Radiological Laboratory/Utility/Office Building (RLUOB) will be occupied in late 2011.



## Q&A

» All Questions & Answers



Ask Us a Question!

## Most Recent Q&A

Why is the Laboratory building a new nuclear facility? Is the new facility important for the security of the nation?

A: Yes, the new facility is important for the security of the nation. The CMRR facility will enable the Laboratory to continue its contributions to maintaining and certifying the U.S. nuclear stockpile while sustaining the moratorium on nuclear testing. [Read more](#)

## NEWS & EVENTS

### Los Alamos National Laboratory construction forum draws hundreds

Web site gives businesses information about upcoming construction opportunities at Lab

LOS ALAMOS, New Mexico, June 16, 2010 - About 300 interested individuals attended a community forum Wednesday in Española sponsored by Los Alamos National Laboratory to learn about planned construction projects and potential economic opportunities at the Laboratory.

A publicly accessible Web site was unveiled at the meeting. The site will have up-to-date information about Laboratory construction projects and will include a moderated question-and-answer section where business owners and the general public can ask questions about the planned projects. [Read more](#)

## OPPORTUNITIES

LANL is an equal opportunity employer.

- ▢ [Bidding Opportunities](#)
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## CONTACT US

To keep you well informed, we will use this Web site to communicate our construction plans and business opportunities and update the community on significant challenges (e.g., increased traffic, demand for housing).

Please direct your comments to [construction@lanl.gov](mailto:construction@lanl.gov)

## ABOUT THE AREA



The Pajarito Corridor encompasses a series of technical areas located along Pajarito Road, which runs through Los Alamos National Laboratory. These technical areas house a significant portion of LANL's nuclear operations.

Currently, and over an approximate 10-year period, the infrastructure of these technical areas will be modernized to ensure continuous support of U.S. stockpile stewardship objectives.

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## PROJECTS

### Chemistry and Metallurgy Research Replacement (CMRR) Project



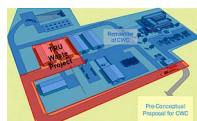
The CMRR Project comprises three primary elements that define the scope and drive the acquisition strategy: the Radiological Laboratory/Utility/Office Building (RLUOB), the RLUOB Equipment Installation (REI), and the Nuclear Facility (NF). RLUOB and NF will be equipped with special facility equipment, which includes gloveboxes, open front boxes, fume hoods, gloveports, enclosure coatings, double-door transfer systems, and analytical instruments.

#### Project milestones

Line Item Phase	Status	Finish Date
Phase 1 - Radiological Laboratory/Utility/Office Building	Complete	09/09
Phase 2 - RLUOB Equipment Installation	In construction	04/13
Phase 3 - Nuclear Facility	In design	N/A

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### Consolidated Waste Capability - Transuranic Waste Facility (CWC-TRU) Project



This facility will ensure enduring solid waste capability and operations required to support all NNSA programs at LANL.

#### Project milestones

Type	Status
Consolidated Waste Capability - Transuranic Waste Facility Project	In Design

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### Material Disposal Area C (MDA-C) Closure

Material Disposal Area C is an 11.8-acre fenced and radiologically-controlled area consisting of 7 pits and 108 shafts, with depths ranging from 10 to 25 feet below the original ground surface. This area is closed to the general public.

Historically, MDA-C was used for the disposal of solid and liquid materials, including uncontaminated classified wastes, hazardous chemicals, and radioactive materials. While a final closure remedy for MDA-C has not been determined or approved by the state of New Mexico, one possible remedy involves an "engineered earthen cap" of soil and rock. The cap material would come mostly from the material excavated for the CMRR facility. The final closure remedy will be determined by the state after a public input process.

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### Material Disposal Area G (MDA-G) Closure

Material Disposal Area G is located in LANL's Technical Area 54 (TA-54), a secured area closed to the general public. MDA-G is the Lab's only active disposal area for low-level radioactive waste and is scheduled to close by the end of 2015, per the Consent Order with the state of New Mexico. It has 35 large, rectangular disposal pits and more than 200 disposal

## CONSTRUCTION PROJECTS

- Chemistry & Metallurgy Research Replacement (CMRR) Project
- Consolidated Waste Capability-Transuranic Waste Facility (CWC-TRU) Project
- Material Disposal Area C (MDA-C) Closure
- Material Disposal Area G (MDA-G) Closure
- Nuclear Materials Safeguards and Security Upgrade Project (NMSSUP), Phase II
- Radioactive Liquid Waste Treatment Facility (RLWTF)
- TA-55 Revitalization Project (TRP), Phases II & III
- Waste Disposition Project (WDP)

## ABOUT THE AREA



The Pajarito Corridor is a series of technical areas along Pajarito Road, which runs through Los Alamos National Laboratory. These technical areas house a significant portion of LANL's nuclear operations.

Over approximately the next ten years, the infrastructure of these areas will be modernized to ensure continuous support of U.S. stockpile stewardship objectives.

[Maps, Driving Directions](#)

shafts.

A final closure remedy for MDA-G will be determined by the state after a public comment process. LANL has recommended an "engineered" cap of bentonite clay and crushed rock at least eight feet thick. The cap would be installed in three phases as operations at MDA-G close or move elsewhere.

Material for the cap would be obtained and transported from another Lab technical area. It is assumed that transporting the material could be completed in less than a year and that the New Mexico Environment Department will allow stockpiling of the material.

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Nuclear Materials Safeguards and Security Upgrades Project (NMSSUP)



The NMSSUP will support the viability of the mission assigned to TA-55 by providing an effective and robust external physical security system that addresses protection strategy and security requirements.

Project milestones

Type	Status	Finish Date
Nuclear Materials Safeguards and Security Upgrades	In Construction	10/12

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Radioactive Liquid Waste Treatment Facility (RLWTF)



The RLWTF will replace the existing treatment capability at TA-50, involving both the transuranic and low-level waste operations, as well as construction of a "zero liquid discharge" capability.

Project milestones

Type	Status	Finish Date
Radioactive Liquid Waste Treatment Facility	In Design	09/14

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Technical Area 55 Revitalization Project (TRP), Phases II & III



This project will support a 25-year life extension of the Laboratory's Plutonium Facility through replacement or refurbishment of essential safety structures, systems, and components, such as cooling towers, chillers, and air dryers.

Project milestones

Type	Status	Finish Date
Cooling Tower	Complete	06/10
Chiller	Installation on track	06/10
TRP III	In Design	01/17

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Waste Disposition Project (WDP)


The Waste Disposition Project is a multi-year effort to remediate waste from past operations at TA-54, as well as manage waste from ongoing missions at the Lab. WDP's operations are primarily located at TA-54 and -50, both of which are closed to the general public.

WDP must retrieve transuranic waste from above and underground storage and repackage it properly for shipment and final disposal at the Waste Isolation Pilot Plant near Carlsbad, NM. These retrieval and repackaging operations must be complete before MDA-G within TA-54 can be closed. The current deadline for closure is December 2015.

WDP also manages hazardous and chemical wastes, low-level radioactive waste, and low-level waste mixed with hazardous materials. Nearly all of this waste is shipped to licensed, out-of-

state disposal facilities.

As TA-54 is closed in phases, these waste management activities will have to move elsewhere in the Lab. New facilities will be needed for processing transuranic and mixed low-level wastes.

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### Supporting Documents

- ▣ [RLUOB receives Best-in-Class Pollution Prevention Award from DOE \(pdf\)](#)

## FORUM PRESENTATIONS

- ▣ [LANL Construction Corridor \(pdf\)](#) - Tom McKinney, Associate Director, Project Management & Site Services
- ▣ [Pajarito Construction Activities \(pdf\)](#) - John Bretzke, Deputy Associate Director, Project Management & Site Services

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Deepwater Horizon Oil Spill reach Atlantic Ocean

6 Sep 2010

Oil released by the Deepwater Horizon spill could reach the western North Atlantic Ocean by November. That's according to researchers from the US and Germany who have modelled the transport of dye from the...

Secretary Chu Announces U.S. Centers For U.S.-China Clean Energy Research

3 Sep 2010

U.S. Energy Secretary Steven Chu announced recently that two consortia - one led by the University of Michigan and one led by the West Virginia University - will receive a total of \$25M over the next five years under the...

News Release

Los Alamos National Laboratory attracts record number of students this summer

LOS ALAMOS, New Mexico, September 7, 2010—Los Alamos National Laboratory this summer attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines. More than 1,300 students interned in both technical and nontechnical fields. In addition to students, a record number of postdocs—415—are working at Los Alamos this year.

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## News

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### Sen. Udall tours LANL Recovery Act cleanup sites

September 8, 2010—New Mexico Senator Tom Udall toured Recovery Act cleanup sites at the Lab's Technical Area 21 on Tuesday.

### Lab researcher named Fellow of American Ceramic Society

September 2, 2010—Quanxi Jia of the Center for Integrated Nanotechnologies at Los Alamos has been selected as a 2010 American Ceramic Society Fellow for his outstanding contributions to the ceramic arts or sciences.

### Lab attracts record number of students this summer

August 31, 2010—This year, the Laboratory attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines.

### Seven Lab employees to serve on Los Alamos Employees' Scholarship Fund advisory committee

August 27, 2010—Seven Laboratory employees recently were elected to serve three-year terms on the Los Alamos Employees' Scholarship Fund scholarship advisory committee. Elected were Clare Webber, Leo Jaramillo, Claudette Chavez, Phillip Goldstone, Randy Erickson, Craig Leasure, and Phil Tubesing.

### 2009 Distinguished Performance Award winners announced

August 26, 2010—Five individuals, five small teams, and seven large teams are receiving 2009 Distinguished Performance Awards, a program that recognizes job performance above and beyond what is normally expected.

### NNSA Defense Programs chief to tour Lab, have All-Employee Meeting

August 26, 2010—The new NNSA Deputy Administrator for Defense Programs, Don Cook, will spend two days touring key facilities and getting a wide variety of briefings at the Laboratory starting Monday, August 30.

### Lab researcher receives prestigious Fulbright Scholar Award

Nathan G. McDowell of Earth Systems Observations (EES-14) has received a Fulbright Scholar Award. The 10-month award will enable him to study vegetation mortality patterns and mechanisms, carbon cycling, and climate in the European Union. McDowell will be based in Slovenia, where he also will present guest lectures in plant physiology and forestry courses at the University of Ljubljana.

### Second LDRD Day showcases Lab's scientific research

August 24, 2010—The Los Alamos Laboratory Directed Research and Development (LDRD) program will host the second LDRD Day on September 8 at the Hilton Hotel at Buffalo Thunder Resort in Pojoaque.

### Global security topic of talk at American Chemical Society meeting

August 24, 2010—The role of chemists in national security science was a hot topic Monday (August 23) at the American Chemical Society's Boston meeting, when Principal Associate Director for Global Security Will Rees addressed the crowd.

### Administration Building demolition project continues

August 23, 2010—The institutionally funded decontamination and decommissioning of the former Administration Building (SM-43) at Technical Area 3 is making progress.

### Filing for occupational illness compensation? Satellite office available on-site

August 23, 2010—Monetary compensation and payment of medical expenses are available to current and former Laboratory workers who may have contracted an illness related to chemical exposure while working in a covered Department of Energy facility, as well as to the workers' survivors.

## News Releases

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### Los Alamos National Laboratory attracts record number of students this summer

Contact: Laura Ambrosiano, (505) 667-7000, [lauraa@lanl.gov](mailto:lauraa@lanl.gov); Steve Sandoval, (505) 665-9206, [steves@lanl.gov](mailto:steves@lanl.gov)

LOS ALAMOS, New Mexico, September 7, 2010—Los Alamos National Laboratory this summer attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines. More than 1,300 students interned in both technical and nontechnical fields.

[» Read more](#)

## Fast Facts

Read about Los Alamos National Laboratory: [Fact Sheets](#)

### People

11,437 total employees  
Los Alamos National Security, LLC 9,452  
SOC (Guard Force) 510  
Other contractors 437  
Students 1,038

### Place

Located 35 miles northwest of Santa Fe, New Mexico, on 36 square miles of DOE-owned property.

More than 2,000 individual facilities, including 47 technical areas with 8 million square feet under roof.

Replacement value of \$5.9 billion  
Budget FY 2008: Approx. \$2 billion  
55% Weapons Programs  
8% Nonproliferation programs  
7% Safeguards and Security  
8% Environmental Management  
3% DOE Office of Science  
3% Energy and other programs  
15% Work for Others

### Workforce Demographics

43% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

### Average Age: 45

67% male, 33% female  
43% minorities  
72% university degrees



**Awards Recognize Outstanding Science and Technology available to the private sector**

August 20, 2010—The 12th Annual Technology Transfer Recognition and Awards reception honored Laboratory scientists and technicians who develop scientific technologies in support of the Laboratory's mission that have great potential for commercialization in business and industry.

**Raising the flag: Ceremony marks Lab receiving VPP Merit-level recognition**

August 20, 2010—Officials from NNSA presented an official Voluntary Protection Program flag to Laboratory Director Michael Anastasio in acknowledgement of the Laboratory receiving Merit-level recognition from the Department of Energy as part of DOE's Voluntary Protection Program (VPP).

**Heavy rains test Lab erosion control systems**

August 19, 2010—Inspections since the heavy rains are revealing damage to some important parts of LANL's erosion and sediment control systems, said the Lab's stormwater program manager.

**Lab research demonstrates how iron artifacts sequester plutonium from their local environment**

August 19, 2010—Researchers collected discarded iron artifacts, such as nails, washers, rebar, and saw blades; from the outdoor environment and analyzed their surfaces for adsorbed plutonium.

**Back-to-School Bash at Central Park Square caps successful School Supply Drive**

August 19, 2010—Nearly 60 Laboratory employees and their family members participated in the "Kicks for Kids" 3-kilometer fun walk Wednesday as part of the Back-to-School Bash at Central Park Square.

**Lab researchers help develop power spectrum emulator code for cosmology studies**

August 18, 2010—Many of the most exciting questions in cosmology, including observational probes of dark energy, rely on an understanding of the nonlinear regime of cosmic structure formation. In order to exploit the information available from this regime and to extract cosmological constraints, accurate theoretical predictions are needed.

**Repaving of West Jemez Road continues; Pajarito Road being milled now**

August 17, 2010—Repaving of a short section of West Jemez Road has begun and cold milling of a 3.5-mile stretch of Pajarito Road also is under way. Drivers are reminded to reduce their speed, use caution, and be aware of bicyclists and pedestrians when traveling through the work area.

**New school year is starting; slow down and use caution in school zones**

August 17, 2010—The new school year is under way across Northern New Mexico, with Los Alamos public schools starting on Thursday (August 19). Drivers are reminded to be aware of the increased presence of children and to slow down in school zones. Students should be careful getting to school and use caution around buses.

**LANSCE sponsors-neutron scattering school on structural materials**

August 10, 2010—At this year's Los Alamos Neutron Science Center (LANSCE) School on Neutron Scattering, 34 graduate students and postdocs from all over the world are learning about "Structural Materials." The event began August 5 and runs until Friday (August 13).

**Romero Cabin in downtown Los Alamos opening to public**

August 9, 2010—The Romero Cabin, the last remaining Hispanic Homesteader's Cabin not lost in the Cerro Grande Fire in 2000, recently received a sprucing up, thanks in part to a \$3,000 grant from Los Alamos National Security, LLC.

**LANL Recovery Act project hits hiring peak, exceeds job goals**

August 3, 2010—One of New Mexico's largest Recovery Act projects will hit its hiring peak this summer when an additional 125 people are hired to work on an environmental remediation project at Los Alamos National Laboratory (LANL).

**Roadrunner inspires Lab researchers to develop a new hybrid cosmology simulation code**

August 3, 2010—Roadrunner, the world's first petaflop computing platform, inspired a new LANL-developed hybrid cosmology simulation code that uses hardware acceleration to help meet these goals.

**Oklahoma fire department defends Hazmat Challenge title**

August 2, 2010—Midwest City, Oklahoma's Fire Department successfully defended its title in winning the 14th annual Hazmat Challenge hosted at the Lab's Technical Area 49.

**Repaving on West Jemez Road scheduled to begin August 2**

August 2, 2010—Milling and paving operations are scheduled to begin August 2 and will run through September 30 on West Jemez and Pajarito roads.

31% hold undergraduate degrees  
19% hold master's degrees  
22% have earned a Ph.D.

**Major Awards**

113 R&D100 awards since 1978  
28 E.O. Lawrence Awards  
The Seaborg Medal  
The Edward Teller Medal

**Lab buys Sandia tools worth \$5.8 million for \$500K**

July 29, 2010—Imagine investing your nest egg and having your investment come back more than ten-fold. That's similar to what happened when the Lab's Prototype Fabrication (PF) Division acquired machine tools worth \$5.8 million for just \$500,000 from Sandia National Laboratories after SNL closed down their machine shop in November 2009.

**Lab researchers examine the impact of a thawing permafrost on Arctic landscapes**

July 27, 2010—Observations indicate that over the past several decades, surface processes in the Arctic have been changing or intensifying. These processes include erosion, expansion of water channel networks, landslides, and degradation of frozen ground previously stable for thousands of years.

**Los Alamos County releases 2009 water quality report**

July 22, 2010—Los Alamos County recently released its 2009 Drinking Water Quality Report. The report provides detailed information on the quality of the drinking water in Los Alamos.

**Lab researcher honored with Albert Einstein Professorship Prize**

July 20, 2010—Wojciech Zurek of the Lab's Physics of Condensed Matter and Complex Systems has been awarded the Albert Einstein Professorship Prize by the Foundation of the University of Ulm in Germany.

**Lab director shared thoughts on New START Treaty before Senate committees**

July 16, 2010—Lab Director Michael Anastasio appeared before the Senate Armed Services Committee to respond to the Committee's questions on the New START Treaty and the ability of the national laboratories to maintain the safety, security, and effectiveness of the stockpile into the future.

**Lab student and earthquake survivor featured on Larry King show highlighting Haiti reconstruction**

July 15, 2010—Christa Brelsford, a summer student working on her doctoral dissertation in Energy and Infrastructure Analysis (D-4), was among the featured guests on the July 12 "Larry King Live" program on CNN.

**Lab research may aid characterization and development of nanoparticles and sensing applications**

July 12, 2010—The development of a full spectral, in-flow Raman instrument created by LANL researchers is a powerful new tool for nanomaterials development. The instrument has uses beyond traditional biological applications of flow cytometry.

**Lab researcher contributes to new understanding of supernova neutrinos**

July 8, 2010—Supernova explosions caused by the collapse of stellar cores play an essential role in the evolution of the Universe, from controlling the temperature of the gas and the rate of star formation in the galactic disk to synthesizing and dispersing heavy elements.

**Employees, family members turn out to make Pancakes on Plaza another success**

July 8, 2010—Alison Gilstrap of Ethics and Compliance is all smiles Sunday morning on Santa Fe's downtown plaza. Gilstrap was one of 60 Laboratory employees and their family members who volunteered to make and serve pancakes at the 35th annual Pancakes on the Plaza event on July 4.

**Valles Caldera Summer Environmental Camp inspires science teachers**

July 7, 2010—It's hard to imagine a more beautiful place for the nation's science teachers to become better instructors than in that vast outdoor classroom known as the "Valles Caldera."

**Safety first during excavation of World War II landfill**

July 6, 2010—The setup for work at Material Disposal Area B is a far cry from grandfather's dump site. Excavation started last week at MDA B, on the south side of DP Road, where workers will scoop out 22,000 cubic yards of dirt and LANL trash disposed from 1944 to 1948.

**New anti-neutrino oscillation results from MiniBooNE**

July 6, 2010—MiniBooNE recently announced new oscillation results at the international Neutrino conference in Athens, Greece. The MiniBooNE experiment studies these oscillations by creating intense beams of muon neutrinos and antineutrinos, and directing them at an 800-ton sphere filled with mineral oil and located a half a kilometer away from the beam's source.

**Come to the Next Big Idea July 16-17**

July 2, 2010—Are you interested in talking with children and adults about the exciting science taking place at the Laboratory? Then come to [The Next Big Idea](#) July 16 and 17 at the Bradbury Science Museum, Fuller Lodge, and Ashley Pond.

**U.S. Defense Secretary Robert Gates visits Laboratory**

July 1, 2010—Secretary of Defense Robert Gates came to the Laboratory on Wednesday for briefings from Director Michael Anastasio and others on LANL's warfighter program and

stockpile stewardship efforts.

**Kevin W. Smith named new Los Alamos Site Office manager**

July 1, 2010—Kevin W. Smith is the new manager of the National Nuclear Security Administration's Los Alamos Site Office.

**New NNSA deputy administrator for defense programs named**

July 1, 2010—Donald Cook has been confirmed and sworn in as the National Nuclear Security Administration's deputy administrator for defense programs.

**Lab scientists involved in \$122 million Nuclear Energy Innovation Hub recognized**

June 28, 2010—Laboratory materials scientists and computer modeling experts are participating in an effort by the Department of Energy to create a "virtual" reactor that could lead to the next generation of safer, longer-lasting, and less-expensive nuclear reactors.

**Postdocs take center stage at Postdoc Research Day**

June 28, 2010—Sixty-eight Laboratory postdocs touted their research at Postdoc Research Day earlier this month.

**Lab completes 100th shipment to WIPP repository**

June 25, 2010—LANL, for the second consecutive year, has hit a milestone of 100 transuranic waste shipments to the Waste Isolation Pilot Plant (WIPP) near Carlsbad.

**2010 Los Alamos Employees' Scholarship drive reaches goal**

June 25, 2010—The 2010 Los Alamos Employees' Scholarship Fund drive met its goal. As of June 23, more than \$253,000 in donations has been received.

**Anastasio: Lab's students are 'nation's hope for the future'**

June 24, 2010—Calling Laboratory students the nation's hope for the future, Laboratory Director Michael Anastasio on Wednesday said, "Maybe one of you will be up here in 20 years' time, directing the Laboratory. I sure hope so."

**Hitting the mark: Spallation neutron target expected to double cold neutron flux**

June 23, 2010—All systems are green for the new Mark-III spallation neutron target at the Lujan Center at LANSCE. Earlier this month, the first proton beam hit the Mark-III target.

**Molecular forensic science studies nuclear materials from Chernobyl**

June 17, 2010—Marianne Wilkerson leads a research team that is developing analytical, nuclear forensics techniques and tools to address signatures that arise from production, conversion, and aging process that are chemical in nature resulting in sometimes obvious and other times subtle changes in chemical speciation.

**Information meeting draws hundreds to Española**

June 17, 2010—Hundreds turned out to an informational meeting Wednesday in Española. Sponsored by the Laboratory, the meeting was held to give the public information about planned construction projects on Pajarito Road.

**LDRD science serving the nation showcased at D.C. symposium**

June 16, 2010—More than 200 researchers from the national laboratories, including Los Alamos, as well as government officials, industry and the military participated in the 2010 NNSA Laboratory Directed Research and Development Symposium.

**LANS donates funds to LANL Foundation for new science education consortium**

June 14, 2010—Los Alamos National Security, LLC presented a check for \$171,500 to the Los Alamos National Laboratory Foundation for a new science education consortium to train teachers and principals in four local school districts.

**Advocates of employee giving campaigns honored at Fuller Lodge luncheon**

June 11, 2010—Employee advocates and Laboratory business partners working together to foster the Laboratory's giving programs were officially recognized at a luncheon at Fuller Lodge.

**LANS recognizes Lab employee, retiree volunteer efforts**

June 11, 2010—Saying that he was proud of Laboratory employees and retirees for their volunteer efforts in local communities, Deputy Laboratory Director Ike Richardson joined Los Alamos National Security, LLC and the Community Programs Office in recognizing employee and retiree volunteers during a ceremony at Fuller Lodge.

**Brian Munskey wins 2010 Leon Heller Postdoc Publication Prize**

June 8, 2010—Brian Munskey, a Richard P. Feynman Distinguished Postdoc Fellow in the Information Sciences and Advancement Measurement Science (CCS-3/B-9) groups, received the 2010 Leon Heller Postdoctoral Publication Prize in Theoretical Physics.

**Former LANL chemist returns as DOE assistant secretary, tours Recovery Act work site**

June 7, 2010—Saying New Mexico is her second home, former LANL chemist Inés Triay

returned to Los Alamos on Friday, this time as DOE's Assistant Secretary for Environmental Management. Triay received a ceremonial key to Los Alamos County and toured Recovery Act cleanup work sites at TA-21.

[June Connections newsletter available online](#)

June 4, 2010—The Laboratory has a long history of serving the nation, from its Manhattan Project beginning in the 1940s to responding to national needs today. In the June issue of the *Connections* online newsletter, read about how Lab expertise is coming to bear in responding to emergencies across the nation, including in the Gulf.

[Lab researchers develop simple method to prepare nanostructured metals for sensing applications](#)

June 2, 2010—Ping Xu, Nathan H. Mack, Sea-Ho Jeon, and Hsing-Lin Wang of the Lab's Physical Chemistry and Applied Spectroscopy group, Stephen Doorn of Center for Integrated Nanotechnology, and collaborators at the Harbin Institute of Technology in China have developed a novel synthetic platform for nanomaterials by using the conjugated polymer, polyaniline (PANI), as a reductive substrate.

[Senator Bingaman applauds LANL and Sandia for helping address the Gulf oil well leak](#)

May 27, 2010—Senator Jeff Bingaman, chair of the Senate Energy and Natural Resources Committee, recently visited the Gulf Coast to learn more about BP's plans to plug the leaking well in the Gulf of Mexico and to clean up the resulting oil spill.

[Local nonprofits receive \\$25,000 from URS Washington Group](#)

May 27, 2010—Eleven local nonprofit organizations received a certificate and checks totaling \$25,000 on Wednesday from URS Washington Group, one of the parent companies of Los Alamos National Security, LLC.

[Lab researchers shed light on rapid drug resistance in hepatitis C treatment](#)

May 26, 2010—Libin Rong, Harel Dahari, Ruy Ribeiro, and Alan Perelson of Theoretical Biology and Biophysics (T-6) used published data from patients treated with the antiviral drug telaprevir to analyze and explain the emergence of drug-resistant HCV variants.

[Lab researcher honored by New Mexico Business Weekly](#)

May 20, 2010—John Singleton of Condensed Matter and Magnet Science was honored recently for his research on practical applications of pulsar physics by New Mexico Business Weekly, which included him in its annual "Who's Who in Technology" acknowledgment.

[Platinum scholarship recipient Trujillo exudes confidence](#)

May 17, 2010—Some people call it cocky, but Escalante High School senior Estevan Trujillo calls it confidence. The 18-year-old Trujillo said he had an inkling he would receive a Los Alamos Employees' Scholarship Fund scholarship. But he didn't think he'd receive the \$7,500-a-year for four years platinum scholarship.

[Hard work pays off for Peñasco High student, LAESF scholar](#)

May 10, 2010—Desiree Garcia is a young woman on the go. Literally. She's up at 6 every morning and out the door by 7:15 a.m. to drive from Española to Peñasco High School where she is a senior. Garcia is one of 55 Northern New Mexico area students who received a Los Alamos Employees' Scholarship Fund scholarship.

[Latest issue of Connections newsletter available online](#)

May 10, 2010—In the May issue of the *Connections* online newsletter, read about how the fourth annual Chile Bowl raised more than \$20,000 for the San Martin de Porres soup kitchen.

[Lab builds distillation test station for energy savings in light hydrocarbon separations](#)

May 6, 2010—In support of its Energy Security mission, the Laboratory is developing methods to increase the energy efficiency of light hydrocarbon separation — the most recent achievement is completion of a sophisticated distillation test station.

[Los Alamos a key partner in alliance to develop viable alternative fuels](#)

May 6, 2010—Los Alamos National Laboratory showed its leadership in alternative energy development during the official kickoff of the nation's largest consortium for research and innovation in advanced algal biofuels.

[Lab receives two Awards of Excellence in Technology Transfer](#)

May 5, 2010—The Laboratory recently received two Excellence in Technology Transfer Awards from the Federal Laboratory Consortium (FLC). The FLC Award for Excellence in Technology Transfer recognizes science and technology employees in more than 250 FLC laboratories who have accomplished outstanding work in the process of transferring federally developed technology to industry.

[May is Electrical Safety Month](#)

May 4, 2010—May is National Electrical Safety Month, and the Laboratory is teaming up with the Electrical Safety Foundation International (ESFI) to launch an awareness campaign to educate workers about the steps that can be taken to prevent electrical fires, injuries, and fatalities in the home and the workplace.

**Memorial service planned May 18 for Los Alamos Medal winner Conrad Longmire**

May 4, 2010—A memorial service for longtime Laboratory scientist and 2004 Los Alamos Medal recipient Conrad Longmire is May 18 at Fuller Lodge in Los Alamos. Longmire died March 22 in Santa Barbara, Calif. at age 88. The service begins at 4 p.m.

**Fifty-five New Mexico students receive LAESF scholarships**

May 3, 2010—Fifty-five New Mexico students are receiving scholarships thanks to the generosity of Laboratory employees who donated to the Los Alamos Employees' Scholarship Fund.

**LANL wins first- and second-place Telly Awards**

May 3, 2010—The Laboratory beat out thousands of contenders to win the top Telly Award for 2010 in the safety category for its video, "Being Human - What happens before mistakes?" Another Lab video, "Stairs and Handrails," received the second-place Telly. Both videos were produced, directed, written, and narrated by Health and Safety Communications Project Leader Rob Nicholas of Industrial Hygiene and Safety.

**Melrose High School team wins Supercomputing Challenge with wildfire project**

Apr. 28, 2010—A trio of students from Melrose High School captured the top prize in the 20th New Mexico Supercomputing Challenge hosted by the Laboratory. "Control and Spread of Wildfires II" by brothers Richard and Randall Rush and Kyle Jacobs garnered each student a check for \$1,000.

**LANL receives a medical imaging grant from DOD Breast Cancer Research Program**

Apr. 28, 2010—LANL scientist Lianjie Huang of the Geophysics group and medical collaborators Francesco Simonetti of Imperial College London, Donald Ingber of Harvard Medical School and Michael Williamson of the University of New Mexico School of Medicine recently were awarded a \$7.6M breast-cancer-imaging grant from the Breast Cancer Research Program of the Department of Defense Congressionally Directed Medical Research Programs.

**Employees, community leaders line up to testify at LANL waste hearing**

Apr. 26, 2010—Dozens of commenters, from Los Alamos County Councilors and a state representative to Lab retirees and a LANL principal associate director, spoke out at the New Mexico Environment Department's hearing for the Lab's hazardous waste permit April 23.

**Increasing awareness of science across the nation is goal of National Lab Day**

Apr. 26, 2010—Connecting teachers and students with scientists, engineers, mathematicians, and industry professionals across the country is the goal of National Lab Day, a year-around initiative spearheaded by President Obama. The Laboratory is joining other Department of Energy labs and several other organizations nationwide in recognizing National Lab Day, with events May 4 and 5 at the Bradbury Science Museum.

**Laboratory publication wins graphic design award of excellence**

Apr. 23, 2010—*Currents*, the Lab's former monthly employee magazine, recently received a national design award of excellence from Graphic Design USA for the January 2010 issue.

**New on YouTube: LANL helps save lives on today's battlefields**

Apr. 22, 2010—A new LANL video posted to YouTube shows how Lab scientists and bomb squad technicians are helping save lives on today's battlefields. The video chronicles a March 31 training course for New Mexico National Guard members at TA-49.

**Hundreds turn out for Lab sponsored small-business forum**

Apr. 22, 2010—Los Alamos Small Business Program Office Manager Dennis Roybal, right, talks with Donna Bohannon and Ron Bohannon at the Small Business Forum Tuesday at Ohkay Owingeh Conference Center. Donna Bohannon is owner of Tierra West, a small-business civil engineering firm.

**Leaders from throughout Northern New Mexico attend breakfast and briefings at Lab**

Apr. 22, 2010—Laboratory Director Michael Anastasio talks with New Mexico Highlands University President Jim Fries at the April 21 regional community leaders breakfast. Anastasio briefed attendees, who also had a chance to look at poster presentations from representatives of nearby colleges and nonprofit organizations that received community giving grants from Los Alamos National Security, LLC. Invited guests also could sign up to take one of several tours of Lab facilities.

**Next Frontiers in Science lectures go inside the Sun**

Apr. 21, 2010—What goes on inside the Sun? Do scientists know what happens inside the Sun's core merely by observing its surface? These and other questions will be explored by

Laboratory physicist Joyce Guzik in the next series of Frontiers in Science talks beginning April 27 in the Duane Smith Auditorium at Los Alamos High School.

**DOE recognizes Lab's lighting research achievements**

Apr. 21, 2010—The Department of Energy recently recognized a team of researchers from Materials Physics and Applications Division and the Los Alamos Neutron Science Center for their research to develop new materials to lower the cost of organic light-emitting diode (OLED) manufacturing.

**Recipients of the 2010 LANL Star Award to be honored**

Apr. 20, 2010—Laboratory Director Michael Anastasio will recognize twelve female employees as the 2010 LANL Stars during an award ceremony on April 27. The award recognizes women who go above and beyond the call of duty in the performance of their job functions, women who have achieved scientific or technical success, women who make important contributions to the community, or women who are stars in other important ways.

**Students descend on Laboratory April 26 and 27 for Supercomputing Challenge**

Apr. 19, 2010—More than 250 New Mexico middle- and high-school students and their teachers are at the Laboratory April 26 and 27 for judging and the awards ceremony in the 20th annual New Mexico Supercomputing Challenge expo and awards ceremony.

**Expanding Your Horizons conference empowers young women**

Apr. 12, 2010—Drawing young women from schools as far away as Gallup, this year's Expanding Your Horizons in Math and Science™ Conference was a resounding success. The April 6 event gave middle- and high-school girls from Northern New Mexico an opportunity to learn more about careers in science, technology, engineering, and math (STEM).

**Lab's economic development efforts touted in April issue of Connections**

Apr. 9, 2010—The Laboratory has long been a major supporter of the Northern New Mexico economy. In the April issue of the [Connections](#) online newsletter, read about how the Lab continues to invest in Northern New Mexico through economic development, community giving, and science education outreach.

**Governor Richardson visits Lab for national security, science briefings**

Apr. 9, 2010—Laboratory Director Michael Anastasio and New Mexico Governor Bill Richardson leave the National Security Sciences Building on Thursday on the way to a Lab technical area for another briefing and demonstration. The governor received a number of briefings on Laboratory national security and science programs.

**New research finds a linked, alternating pattern in Arctic and Antarctic warming trends**

Apr. 7, 2010—Analyzing century-long worldwide temperature records to distinguish human-induced warming from natural variability, Petr Chylek of Space and Remote Sensing, Manvendra Dubey of Earth Systems Observations, and collaborators from the British Meteorological Office and Dalhousie University in Halifax, Nova Scotia have discovered anti-correlations between temperature trends in the Arctic and Antarctic — when the Arctic warms, the Antarctic cools, and visa versa.

**Laboratory communicators capture numerous STC awards**

Apr. 6, 2010—A number of Laboratory technical communication staff recently received award notifications from the 2009 Technical Publications and Online Communication Competition that was sponsored by the East Tennessee chapter of the Society for Technical Communication (STC).

**Newest supercomputer coming to Los Alamos**

Apr. 5, 2010—The National Nuclear Security Administration officially has announced the acquisition of its newest supercomputing platform from Cray Inc. The contract was awarded late last week. The new platform, named "Cielo," the Spanish word for sky, will support all three NNSA national laboratories — Los Alamos, Sandia, and Livermore.

**New head of Ethics and Audits joins Lab today**

Apr. 5, 2010—The Laboratory has chosen Jeanette Young Bennion as its new top manager of ethics and audits. Bennion joins LANL from Shaw Group, Inc., a multibillion dollar global engineering and construction firm.

**Rhyne named Neutron Scattering Society of America Fellow**

Mar. 31, 2010—James J. Rhyne, deputy group leader for Science in the LANSCE-Lujan Center, is a new Neutron Scattering Society of America Fellow. He is cited for "extraordinary research on magnetic materials and thin films and outstanding leadership and support of major U.S. neutron facilities and research opportunities."

**New Mexico Office of Recovery and Reinvestment leaders visit LANL**

Mar. 30, 2010—Several LANL initiatives funded by the American Recovery and Reinvestment Act (ARRA), also known as the federal "Stimulus" Project, received a visit last week from



former New Mexico Gov. Toney Anaya, director of the New Mexico Office of Recovery and Reinvestment, as part of an ongoing effort to provide transparency for all Stimulus-funded projects.

Two LANL "intelligent wind turbine" projects aim to assess operations under varying weather conditions

Mar. 25, 2010—The Department of Energy has a goal of generating 20 percent of the U.S. energy using wind resources by 2030. However, there are technical challenges to overcome before this goal can be reached. Although wind turbines can last for 20 years, the high failure rates of turbine blades, gearboxes, and electronic components and the resulting unscheduled maintenance diminishes the return on investment for wind-farm operators. These high failure rates may be caused by unsteady loading on the turbines from atmospheric turbulence and shear layers.

Lab scientists awash in flood modeling

Mar. 19, 2010—Staff members in the Lab's Decision Application Division's Energy and Infrastructure Analysis are working on a number of "fast response" efforts in support of the Department of Homeland Security as part of the National Infrastructure Simulation and Analysis Center (NISAC). Recently, the staff provided rapid response analysis of potential tsunami impacts following the Chilean earthquake, correctly indicating that the impact on the United States would be minimal.

LANL's Ron Wieneke talks about Pueblo Elementary Schools Consortium

Mar. 19, 2010—"Herbie the Mouse Bot" is just one of the many teaching aids Ron Wieneke of the Lab's Project Engineering Office uses to bring science, technology, engineering, and math (STEM) into pueblo elementary school classrooms. Wieneke talked about the Pueblo Elementary Schools Consortium program sponsored by the Lab, Northern New Mexico College, and the LANL Foundation on KRSN 1490 AM Thursday.

Lab researchers examine impact of sample-collection methods on pathogen sample recovery

Mar. 18, 2010—Elizabeth Hong-Geller, Yulin Shou, and Babs Marrone of Biosecurity and Public Health; Yolanda Valdez and John Dunbar of Bioenergy and Environmental Science; and Thomas Yoshida of Chemical Diagnostics and Engineering have evaluated sample recovery efficiencies for *Bacillus anthracis* and *Yersinia pestis*, the causative agents of anthrax and plague. Increasing the number of bacteria removed from a surface, the "efficiency of recovery" enhances the likelihood that there will be enough sample for analysis. The research team is trying to determine the impact of different sample collection methods on the recovery of pathogen signatures from nonporous surfaces.

Lab geophysicist discusses LDRD-funded project and earthquake triggering research on local radio stations

Mar. 17, 2010—Lab geophysicist Paul Johnson recently talked about research funded by the Laboratory Directed Research and Development program that uses image reconstruction with time reversal mirrors. Johnson also talked about earthquake triggering research he and colleagues at Pennsylvania State University are currently conducting.

Magviz commercialization workshop draws interest

Mar. 17, 2010—Attendees of last week's Commercialization Workshop for LANL's Ultra Low Field Magnetic Resonance Imaging technology (also known as Magviz), view a demonstration of the technology presented by Michelle Espy, the project's lead scientist. Magviz is a revolutionary technology that can detect dangerous carry-on liquids at airports. The workshop provided interested parties with information about the technology and afforded the opportunity to ask questions of the technology's inventors. Technology Transfer Division staff were on hand to answer questions regarding the licensing process and intellectual property portfolio, and mechanisms for collaborating with LANL.

NNSA marks 10th anniversary of Multispectral Thermal Imager satellite: LANL part of project team that built satellite

Mar. 15, 2010—The National Nuclear Security Administration recently commemorated the 10th anniversary of the Multispectral Thermal Imager (MTI) satellite, an interlaboratory effort to develop and evaluate space-based technology used for nonproliferation-treaty monitoring and other national security and civilian applications. Los Alamos National Laboratory, Sandia National Laboratories, Savannah River National Laboratory, and numerous other agencies and academic institutions participated in the project.

Lab's role in science education outreach highlighted in latest edition of Connections

Mar. 15, 2010—March means spring is around the corner. It also means that academic competitions are heating up locally and across New Mexico. In the March issue of the Connections online newsletter, read about the Lab's role in science education outreach in local communities.

The issue also highlights community giving and economic development efforts involving the

Lab, including the LANL Laces program, which recently provided 300 pair of shoes for local children in Las Vegas and Española, New Mexico, and the recent awards from the Venture Acceleration Fund to two New Mexico companies.

**Lab postdoctoral researcher receives Trailblazer Award from the Minorities in Research Science Council**

Mar. 11, 2010—Postdoctoral researcher Francisco "Javier" Baca of LANL's Materials Physics and Applications Division received a Trailblazer Award from the Minorities in Research Science Council (MiRS). The award recognizes the contributions of American minorities leading the way in scientific research and development, and those who enable this research.

**Lab CRADA supports cyber education in science, technology, engineering and mathematics**

Mar. 10, 2010—Los Alamos National Laboratory has a Cooperative Research and Development Agreement (CRADA) with the National Network of Digital Schools (NNDS), a not-for-profit cyber education company in Pennsylvania, to showcase LANL science that will be used for public education and the national Science, Technology, Engineering and Mathematics (STEM) program. The NNDS has interviewed numerous LANL scientists for the "Cutting Edge Science" series of online courses, which is part of its Lincoln Interactive® curriculum that charter schools, public schools, and individuals can purchase and use to obtain a nationally accredited high-school education.

**Rapid nucleic acid assay protocol shows strong potential for use in diagnostics and surveillance: Researchers detect three biothreat agents**

Mar. 9, 2010—A Lab research team has developed a rapid, nucleic acid assay protocol for detecting disease-causing pathogens using a multiplex oligonucleotide ligation-polymerase chain reaction (MOL-PCR). Unlike other ligation-based assays that require multiple steps, this protocol consists of a single tube reaction, followed by hybridization to a microsphere array for detection.

**Lab warehouse's new wireless receiving system is faster, more accurate: First DOE facility to use wireless receiving technology**

Mar. 9, 2010—If you think that what goes on at the SM-30 Warehouse, stays at the warehouse, think again. You'd be surprised at how quickly and efficiently goods arriving at the Lab's central receiving facility are processed these days, thanks to a new wireless receiving system that was launched on March 1. It's the first system of its kind in the Department of Energy complex.

**Lab signs Smart Grid modeling and simulation agreement: Lab LDRD project could assist smart-grid reliability and viability**

Mar. 8, 2010—Karl Jonietz of the Lab's Applied Energy Programs, and Takefumi Fukumizu, president of NEDO, a Japanese energy consortium, signed an agreement Friday outlining LANL's participation in a Smart Grid modeling and simulation project. A Smart Grid delivers electricity from suppliers to consumers using two-way digital technology to control appliances at consumers' homes to save energy, reduce cost and increase reliability. The collaborative research between NEDO (New Energy and Industrial Technology Development Organization) and the Lab could help improve Smart Grid technology by providing tools to forecast and respond to power supply needs created through consumer behaviors or provide other efficiency or reliability improvements.

**Four Lab researchers win LANL Distinguished Postdoctoral Awards**

Mar. 3, 2010—Stosh Kozimor, Jian Wang, Andrey Kovalevsky, and Suzanne "Zoe" Fisher have been honored with the Los Alamos National Laboratory Distinguished Postdoctoral Award for fiscal year 2009. The award, which is limited to current Lab postdoctoral researchers or those who were a Lab postdoc during the fiscal year of note, recognizes individuals or small teams who have made outstanding contributions to the Lab's programmatic or scientific work during a fiscal year. Their accomplishments display unusual creativity, innovation, or dedication.

**Lab researchers examine accelerator-production process at LANSCE for a medical therapy isotope**

Mar. 2, 2010—The Isotope Program of Los Alamos National Laboratory is receiving American Recovery and Reinvestment Act stimulus funding from DOE's Office of Science to develop a proof of concept accelerator production process for Actinium-225 (<sup>225</sup>Ac), using proton beams available at LANL's LANSCE complex (in the Isotope Production Facility) and the Lab's Weapons Neutron Research facility.

**Excavation begins at LANL's first-ever waste disposal area**

Feb. 25, 2010—A heavy equipment crew on Tuesday began excavation at a LANL landfill that's been closed since 1948. Material Disposal Area B, on DP Road in the Los Alamos town site, is a strip of land about seven football fields long. Soil and waste will be scooped out and disposed out-of-state on an accelerated schedule, thanks to about \$88 million from the American Reinvestment and Recovery Act.



**Vivien Zapf receives Lee Osheroff Richardson prize**

Feb, 25, 2010—Vivien Zapf of the Lab's Materials Physics and Applications Division is the recipient of the 2010 Lee Osheroff Richardson U.S. Prize for research in physical science. The annual award, sponsored by Oxford Instruments NanoScience, which designs and manufactures tools and systems for industry and research in science and technology, is given to promote and support the career development of early career scientists in North America who conduct research employing low temperatures and/or high magnetic fields. A committee of senior academics throughout North America selects the recipient.

**Genome sequencing evidences nature, roles of microorganisms in carbon cycle, other bio processes**

Feb, 24, 2010—Lab scientist Cheryl Kuske spoke about her Lab-funded research project, "A New Approach to Unravel Complex Microbial Community Processes," on local radio station 1490 AM Monday. Kuske and her team are harnessing the Lab's metagenomics capabilities to identify microorganisms found in soil and discover the roles they play in a myriad of important biological processes, such as the global carbon cycle.

**Lab participates on GOSAT team for verification science**

Feb, 18, 2010—This is the dawn of a satellite era in which greenhouse gas verification and large-scale carbon sequestration can be used effectively to ensure that the risks of future climate change are managed responsibly and equitably. And Los Alamos National Laboratory is using its scientific expertise to help enable this monitoring effort. An example is its role on the Japanese Greenhouse Gas Observation Satellite (GOSAT) science team.

**Juan Duque discusses Lab-funded solar energy research on radio**

Feb, 18, 2010—Juan Duque, a postdoc with the Lab's Physical Chemistry and Applied Spectroscopy group, spoke about his solar energy research involving nanotubes on local radio station KRSN 1490 AM Wednesday. The research is funded through LANL's Laboratory Directed Research and Development (LDRD) Program.

**Lab responds to Project on Government Oversight's Feb. 11 news release**

Feb, 11, 2010—In response to a Feb. 11 news release from the Project On Government Oversight (POGO) citing an internal NNSA memo and requesting White House intervention to correct "systemic safety issues" at LANL, the Laboratory issued the following response:

**Lab postdoc wins 2009 Best Young Scientist prize**

Feb, 10, 2010—Postdoctoral researcher Krzysztof Gofryk of the Lab's Materials Physics and Applications Division won the Best Young Scientist prize for 2009. The award, presented by the Joint Research Centre, is based on research he conducted at the Institute for Transuranium Elements in Karlsruhe, Germany.

**Laboratory directors brief Vice President Biden**

Dec. 18, 2009—Laboratory Director Mike Anastasio had the honor yesterday afternoon of joining fellow lab directors from Lawrence Livermore and Sandia for an in-person briefing of Vice President Joe Biden in the White House.

Secretary of Energy Steven Chu, Deputy Energy Secretary Dan Poneman, National Nuclear Security Administrator Tom D'Agostino, and officials from the Departments of State and Defense were also present.

**2009 performance review gives LANS, LLC 90% of available award fee and another year to contract term: By comparison, the award fee for FY08 was 88% and 81% for FY07**

Dec. 15, 2009—The National Nuclear Security Administration has evaluated the Laboratory's performance for fiscal year 2009 and awarded LANS, LLC 90 percent of the available award fee and added another year to the term of the LANS contract to manage and operate Los Alamos National Laboratory. That extension stretches the contract term through September 30, 2015. By comparison, the award fee for FY08 was 88 percent and 81 percent for FY07. NNSA cited its "very high expectations" and noted significant progress in the Lab's performance overall, especially in achieving its mission and delivering on program assignments.

**Cerrillos and Roadrunner rank in the top10 of world's most energy-efficient supercomputers: Majority of top 25 systems based on NNSA, DOE technology**

Dec. 2, 2009—NNSA Administrator Thomas D'Agostino congratulated the Advanced Simulation and Computing program for two supercomputers ranked in the TOP Green500's top 10 most energy-efficient supercomputers in the world as of November 2009. The two computers in the top 10 are housed at LANL: Cerrillos (#4) and Roadrunner (#9). Six other supercomputers housed at NNSA sites were also ranked in the TOP Green500 list.

**LANL scientists have the edge on wind energy: Ammerman, Hemez discuss cutting-edge project in radio interview**

Dec. 1, 2009—Today Americans get about 1 percent of the electricity they consume from wind but by 2030, DOE wants to see 20 percent of the nation's electricity generated by wind, Lab

scientist Curtt Ammerman told a KRSN audience yesterday morning. Along with François Hemez of Verification, he talked about their Laboratory-Directed Research and Development (LDRD)-funded project, "Intelligent Next-Generation Wind Turbines," on the AM radio morning show. Not only will these new turbines perform better, Ammerman explained, they'll also be more reliable and less costly to operate and maintain.

**The Los Alamos skyline is starting to change."**

Dec. 1, 2009—"The Los Alamos skyline is starting to change." Walls come down sooner, thanks to Recovery Act funding Dec. 1, 2009—LANL Tuesday began full-scale demolition at TA-21, the Cold War-era complex of buildings that once housed plutonium production and historic, nonweapons research. "We're seeing something this morning that has not happened since the late 1940s," said Isaac "Ike" Richardson, the Lab's deputy director. "The Los Alamos skyline is starting to change."

**Lab has turned a corner on information-security issues**

Nov. 10, 2009—NNSA wants to partner to support the Lab's mission: auditors from Health, Safety, and Security (HSS) in DOE's Office of Independent Oversight arrived in August of 2009 to review the Lab's information security and quickly determined that the Lab had made substantial improvements.

**Science news: perchlorate groundwater studies, energy projects, Handbook of Modern Ion Beam Analysis—New studies, money fuel science programs**

Nov. 4, 2009—Chlorine isotopic signature distinguishes natural and anthropogenic perchlorate in groundwater; New energy projects support the Lab's Energy Security Capability; Publication of the second edition of the *Handbook of Modern Ion Beam Analysis* by the Materials Research Society continues to bring worldwide recognition to LANL work in ion beam analysis and ion-solid interactions.

**LANL: the Plutonium Center of Excellence for the DOE complex—its mission is the responsibility to lead science, engineering and technology development across a broad range of plutonium-centric programs**

Oct. 5, 2009—As part of these efforts, Charlie McMillan, Principal Associate Director for Weapons Programs (PADWP), and Terry Wallace, Principal Associate Director for Science, Technology and Engineering (PADSTE), have chartered the development of an institutional plutonium science strategy. The strategy will provide a road map for plutonium research and development efforts across the Lab's three mission pillars: Nuclear Deterrence, Global Threat Reduction, and Energy Security.

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*Due to recent web site "remodelling," news releases from before July 2009 are in an older database and slightly different page format. Our search box (above) will search both the older and newer pages.*

News releases pre-7/09:

[http://www.lanl.gov/news/index.php/fuseaction/nr.archive\\_yy/y/2009](http://www.lanl.gov/news/index.php/fuseaction/nr.archive_yy/y/2009)

News releases post-7/09 to present:

<http://www.lanl.gov/news/releases/index.html>

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[Los Alamos National Laboratory attracts record number of students this summer](#)

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## Los Alamos National Laboratory attracts record number of students this summer

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Students are "pipeline" for the future

LOS ALAMOS, New Mexico, September 7, 2010—Los Alamos National Laboratory this summer attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines. More than 1,300 students interned in both technical and nontechnical fields. In addition to students, a record number of postdocs—415—are working at Los Alamos this year.

"Student interns and postdocs contribute significantly to the programmatic work of the Laboratory. At the same time, they further enhance their academic and research skills," said Dave Foster, program manager for the Laboratory's Education and Postdoc Office. "They represent the primary 'pipeline' for future employee hires," he added, noting that 29 percent of all current employees first joined the Lab as student interns or postdocs.

The Lab attracted students from U.S. and other center of higher education such as the University of New Mexico, New Mexico Institute of Mining and Technology, Texas A&M, Stanford, the Chinese Academy of Sciences, University of Delhi, University of Munich, and many others.

Over the past four years, both the overall number and the ethnic diversity of student interns has grown, said Foster. This year also has seen an increase in funding for students from the Department of Energy's Office of Science, the National Nuclear Security Administration, and the Department of Homeland Security.

Materials science and engineering major Cameron Tracy interned at LANL for the second time. Tracy and his mentor Erik Luther continued their work from last summer: researching the development of inert matrix nuclear fuels. Last year, Tracy won first place in the Engineering category at the DOE-sponsored Science and Energy Research Challenge.

Irena Ossola of the Computational Earth Sciences group has been working with her mentor, Brian Travis, on a project geared to better understanding the effects of global warming on permafrost. She has now prepared her research for publication. Originally from Santa Fe, Ossola graduated from Columbia University with a degree in environmental science and a concentration in sustainable development. She plans to attend graduate school to pursue a doctorate in environmental science or environmental engineering.

Stacy Shiffler, who is double majoring in physics and math at the University of Arizona, interned at the Center for Integrated Nanotechnologies in Albuquerque this summer and also conducted research at Los Alamos' Center for Integrated Nanotechnologies (CINT). She studied the photosynthetic antennae of the *Chlorobaculum Tepidum* bacterium, and said, "I would consider it to be by far the most enjoyable summer internship I've had the last three years."

Lara Preteska, a student at New Mexico State University, worked on developing methods of microbial identification (phylotyping). She and her mentor, Cliff Han of the Laboratory's Bioscience Division, are developing a method that would be faster and less dependent on culture media. Preteska presented their work at the Student Symposium in August.

The Lab offers students a plethora of programs, competitions, and other activities through its Students' Association, Community Programs Office, and other organizations. Events, such as DOE's Science and Engineering Research Challenge (SERCh) and the annual Student

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72% university degrees

Symposium, give students an opportunity to present to their peers and the public the hard work they've done during their internship.

In addition, every summer the LANL Institutes, and the Material Physics and Applications and Materials Science and Technology divisions, organize a Summer Lecture Series. Well-known scientists and researchers from across the Lab give talks on their different areas of expertise. While these talks are aimed at students, they are open to all employees.

Students also are offered the opportunity to tour various Lab facilities, such as CINT, the Los Alamos Neutron Science Center (LANSCE), and Los Alamos's National High Magnetic Field Lab.

"Regardless of their ultimate career destinations, these students and postdocs establish lasting networks of professional engagement with the LANL community throughout their careers," added Foster.

More information about LANL student interns and student events is available on the [Students' Association Web site](#). For a list of LANL educational programs, go to [http://community.lanl.gov/source/orgs/cpo/education\\_programs/lanl\\_education\\_programs.shtml](http://community.lanl.gov/source/orgs/cpo/education_programs/lanl_education_programs.shtml).

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Los Alamos National Laboratory, a multidisciplinary research institution engaged in strategic science on behalf of national security, is operated by Los Alamos National Security, LLC, a team composed of Bechtel National, the University of California, The Babcock & Wilcox Company, and URS for the Department of Energy's National Nuclear Security Administration.

Los Alamos enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

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### Sen. Udall tours LANL Recovery Act cleanup sites

September 8, 2010—New Mexico Senator Tom Udall toured Recovery Act cleanup sites at the Lab's Technical Area 21 on Tuesday.

### Lab researcher named Fellow of American Ceramic Society

September 2, 2010—Quanxi Jia of the Center for Integrated Nanotechnologies at Los Alamos has been selected as a 2010 American Ceramic Society Fellow for his outstanding contributions to the ceramic arts or sciences.

### Lab attracts record number of students this summer

August 31, 2010—This year, the Laboratory attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines.

### Seven Lab employees to serve on Los Alamos Employees' Scholarship Fund advisory committee

August 27, 2010—Seven Laboratory employees recently were elected to serve three-year terms on the Los Alamos Employees' Scholarship Fund scholarship advisory committee. Elected were Clare Webber, Leo Jaramillo, Claudette Chavez, Phillip Goldstone, Randy Erickson, Craig Leasure, and Phil Tubising.

### 2009 Distinguished Performance Award winners announced

August 26, 2010—Five individuals, five small teams, and seven large teams are receiving 2009 Distinguished Performance Awards, a program that recognizes job performance above and beyond what is normally expected.

### NNSA Defense Programs chief to tour Lab, have All-Employee Meeting

August 26, 2010—The new NNSA Deputy Administrator for Defense Programs, Don Cook, will spend two days touring key facilities and getting a wide variety of briefings at the Laboratory starting Monday, August 30.

### Lab researcher receives prestigious Fulbright Scholar Award

Nathan G. McDowell of Earth Systems Observations (EES-14) has received a Fulbright Scholar Award. The 10-month award will enable him to study vegetation mortality patterns and mechanisms, carbon cycling, and climate in the European Union. McDowell will be based in Slovenia, where he also will present guest lectures in plant physiology and forestry courses at the University of Ljubljana.

### Awards recognize outstanding LANL Tech Transfer

August 23, 2010—The 12th Annual Technology Transfer Recognition and Awards reception honored Laboratory scientists and technicians who develop scientific technologies in support of the Laboratory's mission that have potential for commercialization in business and industry.

### Second LDRD Day showcases Lab's scientific research

August 24, 2010—The Los Alamos Laboratory Directed Research and Development (LDRD) program will host the second LDRD Day on September 8 at the Hilton Hotel at Buffalo Thunder Resort in Pojoaque.

### Global security topic of talk at American Chemical Society meeting

August 24, 2010—The role of chemists in national security science was a hot topic Monday (August 23) at the American Chemical Society's Boston meeting, when Principal Associate Director for Global Security Will Rees addressed the crowd.

### Administration Building demolition project continues

August 23, 2010—The institutionally funded decontamination and decommissioning of the former Administration Building (SM-43) at Technical Area 3 is making progress.

### Filing for occupational illness compensation? Satellite office available on-site

## News Releases

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### Los Alamos National Laboratory attracts record number of students this summer

Contact: Laura Ambrosiano, (505) 667-7000, [lauraa@lanl.gov](mailto:lauraa@lanl.gov); Steve Sandoval, (505) 665-9206, [steves@lanl.gov](mailto:steves@lanl.gov)

LOS ALAMOS, New Mexico, September 7, 2010—Los Alamos National Laboratory this summer attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines. More than 1,300 students interned in both technical and nontechnical fields.

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## Fast Facts

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### People

11,437 total employees  
Los Alamos National Security, LLC 9,452  
SOC (Guard Force) 510  
Other contractors 437  
Students 1,038

### Place

Located 35 miles northwest of Santa Fe, New Mexico, on 36 square miles of DOE-owned property.

More than 2,000 individual facilities, including 47 technical areas with 8 million square feet under roof.

Replacement value of \$5.9 billion  
Budget FY 2008: Approx. \$2 billion  
55% Weapons Programs  
8% Nonproliferation programs  
7% Safeguards and Security  
8% Environmental Management  
3% DOE Office of Science  
3% Energy and other programs  
15% Work for Others

### Workforce Demographics

43% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

### Average Age: 45

67% male, 33% female  
43% minorities  
72% university degrees

August 23, 2010—Monetary compensation and payment of medical expenses are available to current and former Laboratory workers who may have contracted an illness related to chemical exposure while working in a covered Department of Energy facility, as well as to the workers' survivors.

#### Awards Recognize Outstanding Science and Technology available to the private sector

August 20, 2010—The 12th Annual Technology Transfer Recognition and Awards reception honored Laboratory scientists and technicians who develop scientific technologies in support of the Laboratory's mission that have great potential for commercialization in business and industry.

#### Raising the flag: Ceremony marks Lab receiving VPP Merit-level recognition

August 20, 2010—Officials from NNSA presented an official Voluntary Protection Program flag to Laboratory Director Michael Anastasio in acknowledgement of the Laboratory receiving Merit-level recognition from the Department of Energy as part of DOE's Voluntary Protection Program (VPP).

#### Heavy rains test Lab erosion control systems

August 19, 2010—Inspections since the heavy rains are revealing damage to some important parts of LANL's erosion and sediment control systems, said the Lab's stormwater program manager.

#### Lab research demonstrates how iron artifacts sequester plutonium from their local environment

August 19, 2010—Researchers collected discarded iron artifacts, such as nails, washers, rebar, and saw blades; from the outdoor environment and analyzed their surfaces for adsorbed plutonium.

#### Back-to-School Bash at Central Park Square caps successful School Supply Drive

August 19, 2010—Nearly 60 Laboratory employees and their family members participated in the "Kicks for Kids" 3-kilometer fun walk Wednesday as part of the Back-to-School Bash at Central Park Square.

#### Lab researchers help develop power spectrum emulator code for cosmology studies

August 18, 2010—Many of the most exciting questions in cosmology, including observational probes of dark energy, rely on an understanding of the nonlinear regime of cosmic structure formation. In order to exploit the information available from this regime and to extract cosmological constraints, accurate theoretical predictions are needed.

#### Repaving of West Jemez Road continues; Pajarito Road being milled now

August 17, 2010—Repaving of a short section of West Jemez Road has begun and cold milling of a 3.5-mile stretch of Pajarito Road also is under way. Drivers are reminded to reduce their speed, use caution, and be aware of bicyclists and pedestrians when traveling through the work area.

#### New school year is starting; slow down and use caution in school zones

August 17, 2010—The new school year is under way across Northern New Mexico, with Los Alamos public schools starting on Thursday (August 19). Drivers are reminded to be aware of the increased presence of children and to slow down in school zones. Students should be careful getting to school and use caution around buses.

#### LANSCE sponsors-neutron scattering school on structural materials

August 10, 2010—At this year's Los Alamos Neutron Science Center (LANSCE) School on Neutron Scattering, 34 graduate students and postdocs from all over the world are learning about "Structural Materials." The event began August 5 and runs until Friday (August 13).

#### Romero Cabin in downtown Los Alamos opening to public

August 9, 2010—The Romero Cabin, the last remaining Hispanic Homesteader's Cabin not lost in the Cerro Grande Fire in 2000, recently received a sprucing up, thanks in part to a \$3,000 grant from Los Alamos National Security, LLC.

#### LANL Recovery Act project hits hiring peak, exceeds job goals

August 3, 2010—One of New Mexico's largest Recovery Act projects will hit its hiring peak this summer when an additional 125 people are hired to work on an environmental remediation project at Los Alamos National Laboratory (LANL).

#### Roadrunner inspires Lab researchers to develop a new hybrid cosmology simulation code

August 3, 2010—Roadrunner, the world's first petaflop computing platform, inspired a new LANL-developed hybrid cosmology simulation code that uses hardware acceleration to help meet these goals.

#### Oklahoma fire department defends Hazmat Challenge title

August 2, 2010—Midwest City, Oklahoma's Fire Department successfully defended its title in

31% hold undergraduate degrees  
19% hold master's degrees  
22% have earned a Ph.D.

#### Major Awards

113 R&D100 awards since 1978  
28 E.O. Lawrence Awards  
The Seaborg Medal  
The Edward Teller Medal

winning the 14th annual Hazmat Challenge hosted at the Lab's Technical Area 49.

**Repaving on West Jemez Road scheduled to begin August 2**

August 2, 2010—Milling and paving operations are scheduled to begin August 2 and will run through September 30 on West Jemez and Pajarito roads.

**Lab buys Sandia tools worth \$5.8 million for \$500K**

July 29, 2010—Imagine investing your nest egg and having your investment come back more than ten-fold. That's similar to what happened when the Lab's Prototype Fabrication (PF) Division acquired machine tools worth \$5.8 million for just \$500,000 from Sandia National Laboratories after SNL closed down their machine shop in November 2009.

**Lab researchers examine the impact of a thawing permafrost on Arctic landscapes**

July 27, 2010—Observations indicate that over the past several decades, surface processes in the Arctic have been changing or intensifying. These processes include erosion, expansion of water channel networks, landslides, and degradation of frozen ground previously stable for thousands of years.

**Los Alamos County releases 2009 water quality report**

July 22, 2010—Los Alamos County recently released its 2009 Drinking Water Quality Report. The report provides detailed information on the quality of the drinking water in Los Alamos.

**Lab researcher honored with Albert Einstein Professorship Prize**

July 20, 2010—Wojciech Zurek of the Lab's Physics of Condensed Matter and Complex Systems has been awarded the Albert Einstein Professorship Prize by the Foundation of the University of Ulm in Germany.

**Lab director shared thoughts on New START Treaty before Senate committees**

July 16, 2010—Lab Director Michael Anastasio appeared before the Senate Armed Services Committee to respond to the Committee's questions on the New START Treaty and the ability of the national laboratories to maintain the safety, security, and effectiveness of the stockpile into the future.

**Lab student and earthquake survivor featured on Larry King show highlighting Haiti reconstruction**

July 15, 2010—Christa Brelsford, a summer student working on her doctoral dissertation in Energy and Infrastructure Analysis (D-4), was among the featured guests on the July 12 "Larry King Live" program on CNN.

**Lab research may aid characterization and development of nanoparticles and sensing applications**

July 12, 2010—The development of a full spectral, in-flow Raman instrument created by LANL researchers is a powerful new tool for nanomaterials development. The instrument has uses beyond traditional biological applications of flow cytometry.

**Lab researcher contributes to new understanding of supernova neutrinos**

July 8, 2010—Supernova explosions caused by the collapse of stellar cores play an essential role in the evolution of the Universe, from controlling the temperature of the gas and the rate of star formation in the galactic disk to synthesizing and dispersing heavy elements.

**Employees, family members turn out to make Pancakes on Plaza another success**

July 8, 2010—Alison Gilstrap of Ethics and Compliance is all smiles Sunday morning on Santa Fe's downtown plaza. Gilstrap was one of 60 Laboratory employees and their family members who volunteered to make and serve pancakes at the 35th annual Pancakes on the Plaza event on July 4.

**Valles Caldera Summer Environmental Camp inspires science teachers**

July 7, 2010—It's hard to imagine a more beautiful place for the nation's science teachers to become better instructors than in that vast outdoor classroom known as the "Valles Caldera."

**Safety first during excavation of World War II landfill**

July 6, 2010—The setup for work at Material Disposal Area B is a far cry from grandfather's dump site. Excavation started last week at MDA B, on the south side of DP Road, where workers will scoop out 22,000 cubic yards of dirt and LANL trash disposed from 1944 to 1948.

**New anti-neutrino oscillation results from MiniBooNE**

July 6, 2010—MiniBooNE recently announced new oscillation results at the international Neutrino conference in Athens, Greece. The MiniBooNE experiment studies these oscillations by creating intense beams of muon neutrinos and antineutrinos, and directing them at an 800-ton sphere filled with mineral oil and located a half a kilometer away from the beam's source.

**Come to the Next Big Idea July 16-17**

July 2, 2010—Are you interested in talking with children and adults about the exciting science taking place at the Laboratory? Then come to [The Next Big Idea](#) July 16 and 17 at the Bradbury Science Museum, Fuller Lodge, and Ashley Pond.

**U.S. Defense Secretary Robert Gates visits Laboratory**

July 1, 2010—Secretary of Defense Robert Gates came to the Laboratory on Wednesday for briefings from Director Michael Anastasio and others on LANL's warfighter program and stockpile stewardship efforts.

**Kevin W. Smith named new Los Alamos Site Office manager**

July 1, 2010—Kevin W. Smith is the new manager of the National Nuclear Security Administration's Los Alamos Site Office.

**New NNSA deputy administrator for defense programs named**

July 1, 2010—Donald Cook has been confirmed and sworn in as the National Nuclear Security Administration's deputy administrator for defense programs.

**Lab scientists involved in \$122 million Nuclear Energy Innovation Hub recognized**

June 28, 2010—Laboratory materials scientists and computer modeling experts are participating in an effort by the Department of Energy to create a "virtual" reactor that could lead to the next generation of safer, longer-lasting, and less-expensive nuclear reactors.

**Postdocs take center stage at Postdoc Research Day**

June 28, 2010—Sixty-eight Laboratory postdocs touted their research at Postdoc Research Day earlier this month.

**Lab completes 100th shipment to WIPP repository**

June 25, 2010—LANL, for the second consecutive year, has hit a milestone of 100 transuranic waste shipments to the Waste Isolation Pilot Plant (WIPP) near Carlsbad.

**2010 Los Alamos Employees' Scholarship drive reaches goal**

June 25, 2010—The 2010 Los Alamos Employees' Scholarship Fund drive met its goal. As of June 23, more than \$253,000 in donations has been received.

**Anastasio: Lab's students are 'nation's hope for the future'**

June 24, 2010—Calling Laboratory students the nation's hope for the future, Laboratory Director Michael Anastasio on Wednesday said, "Maybe one of you will be up here in 20 years' time, directing the Laboratory. I sure hope so."

**Hitting the mark: Spallation neutron target expected to double cold neutron flux**

June 23, 2010—All systems are green for the new Mark-III spallation neutron target at the Lujan Center at LANSCE. Earlier this month, the first proton beam hit the Mark-III target.

**Molecular forensic science studies nuclear materials from Chernobyl**

June 17, 2010—Marianne Wilkerson leads a research team that is developing analytical, nuclear forensics techniques and tools to address signatures that arise from production, conversion, and aging process that are chemical in nature resulting in sometimes obvious and other times subtle changes in chemical speciation.

**Information meeting draws hundreds to Española**

June 17, 2010—Hundreds turned out to an informational meeting Wednesday in Española. Sponsored by the Laboratory, the meeting was held to give the public information about planned construction projects on Pajarito Road.

**LDRD science serving the nation showcased at D.C. symposium**

June 16, 2010—More than 200 researchers from the national laboratories, including Los Alamos, as well as government officials, industry and the military participated in the 2010 NNSA Laboratory Directed Research and Development Symposium.

**LANS donates funds to LANL Foundation for new science education consortium**

June 14, 2010—Los Alamos National Security, LLC presented a check for \$171,500 to the Los Alamos National Laboratory Foundation for a new science education consortium to train teachers and principals in four local school districts.

**Advocates of employee giving campaigns honored at Fuller Lodge luncheon**

June 11, 2010—Employee advocates and Laboratory business partners working together to foster the Laboratory's giving programs were officially recognized at a luncheon at Fuller Lodge.

**LANS recognizes Lab employee, retiree volunteer efforts**

June 11, 2010—Saying that he was proud of Laboratory employees and retirees for their volunteer efforts in local communities, Deputy Laboratory Director Ike Richardson joined Los Alamos National Security, LLC and the Community Programs Office in recognizing employee and retiree volunteers during a ceremony at Fuller Lodge.

**Brian Munsky wins 2010 Leon Heller Postdoc Publication Prize**

June 8, 2010—Brian Munsky, a Richard P. Feynman Distinguished Postdoc Fellow in the Information Sciences and Advancement Measurement Science (CCS-3/B-9) groups, received

the 2010 Leon Heller Postdoctoral Publication Prize in Theoretical Physics.

#### Former LANL chemist returns as DOE assistant secretary, tours Recovery Act work site

June 7, 2010—Saying New Mexico is her second home, former LANL chemist Inés Triay returned to Los Alamos on Friday, this time as DOE's Assistant Secretary for Environmental Management. Triay received a ceremonial key to Los Alamos County and toured Recovery Act cleanup work sites at TA-21.

#### June Connections newsletter available online

June 4, 2010—The Laboratory has a long history of serving the nation, from its Manhattan Project beginning in the 1940s to responding to national needs today. In the June issue of the *Connections* online newsletter, read about how Lab expertise is coming to bear in responding to emergencies across the nation, including in the Gulf.

#### Lab researchers develop simple method to prepare nanostructured metals for sensing applications

June 2, 2010—Ping Xu, Nathan H. Mack, Sea-Ho Jeon, and Hsing-Lin Wang of the Lab's Physical Chemistry and Applied Spectroscopy group, Stephen Doorn of Center for Integrated Nanotechnology, and collaborators at the Harbin Institute of Technology in China have developed a novel synthetic platform for nanomaterials by using the conjugated polymer, polyaniline (PANI), as a reductive substrate.

#### Senator Bingaman applauds LANL and Sandia for helping address the Gulf oil well leak

May 27, 2010—Senator Jeff Bingaman, chair of the Senate Energy and Natural Resources Committee, recently visited the Gulf Coast to learn more about BP's plans to plug the leaking well in the Gulf of Mexico and to clean up the resulting oil spill.

#### Local nonprofits receive \$25,000 from URS Washington Group

May 27, 2010—Eleven local nonprofit organizations received a certificate and checks totaling \$25,000 on Wednesday from URS Washington Group, one of the parent companies of Los Alamos National Security, LLC.

#### Lab researchers shed light on rapid drug resistance in hepatitis C treatment

May 26, 2010—Libin Rong, Harel Dahari, Ruy Ribeiro, and Alan Perelson of Theoretical Biology and Biophysics (T-6) used published data from patients treated with the antiviral drug telaprevir to analyze and explain the emergence of drug-resistant HCV variants.

#### Lab researcher honored by New Mexico Business Weekly

May 20, 2010—John Singleton of Condensed Matter and Magnet Science was honored recently for his research on practical applications of pulsar physics by New Mexico Business Weekly, which included him in its annual "Who's Who in Technology" acknowledgment.

#### Platinum scholarship recipient Trujillo exudes confidence

May 17, 2010—Some people call it cocky, but Escalante High School senior Estevan Trujillo calls it confidence. The 18-year-old Trujillo said he had an inkling he would receive a Los Alamos Employees' Scholarship Fund scholarship. But he didn't think he'd receive the \$7,500-a-year for four years platinum scholarship.

#### Hard work pays off for Peñasco High student, LAESF scholar

May 10, 2010—Desiree Garcia is a young woman on the go. Literally. She's up at 6 every morning and out the door by 7:15 a.m. to drive from Española to Peñasco High School where she is a senior. Garcia is one of 55 Northern New Mexico area students who received a Los Alamos Employees' Scholarship Fund scholarship.

#### Latest issue of Connections newsletter available online

May 10, 2010—In the May issue of the *Connections* online newsletter, read about how the fourth annual Chile Bowl raised more than \$20,000 for the San Martin de Porres soup kitchen.

#### Lab builds distillation test station for energy savings in light hydrocarbon separations

May 6, 2010—In support of its Energy Security mission, the Laboratory is developing methods to increase the energy efficiency of light hydrocarbon separation — the most recent achievement is completion of a sophisticated distillation test station.

#### Los Alamos a key partner in alliance to develop viable alternative fuels

May 6, 2010—Los Alamos National Laboratory showed its leadership in alternative energy development during the official kickoff of the nation's largest consortium for research and innovation in advanced algal biofuels.

#### Lab receives two Awards of Excellence in Technology Transfer

May 5, 2010—The Laboratory recently received two Excellence in Technology Transfer Awards from the Federal Laboratory Consortium (FLC). The FLC Award for Excellence in



Technology Transfer recognizes science and technology employees in more than 250 FLC laboratories who have accomplished outstanding work in the process of transferring federally developed technology to industry.

May is Electrical Safety Month

May 4, 2010—May is National Electrical Safety Month, and the Laboratory is teaming up with the Electrical Safety Foundation International (ESFI) to launch an awareness campaign to educate workers about the steps that can be taken to prevent electrical fires, injuries, and fatalities in the home and the workplace.

Memorial service planned May 18 for Los Alamos Medal winner Conrad Longmire

May 4, 2010—A memorial service for longtime Laboratory scientist and 2004 Los Alamos Medal recipient Conrad Longmire is May 18 at Fuller Lodge in Los Alamos. Longmire died March 22 in Santa Barbara, Calif. at age 88. The service begins at 4 p.m.

Fifty-five New Mexico students receive LAESF scholarships

May 3, 2010—Fifty-five New Mexico students are receiving scholarships thanks to the generosity of Laboratory employees who donated to the Los Alamos Employees' Scholarship Fund.

LANL wins first- and second-place Telly Awards

May 3, 2010—The Laboratory beat out thousands of contenders to win the top Telly Award for 2010 in the safety category for its video, "Being Human - What happens before mistakes?" Another Lab video, "Stairs and Handrails," received the second-place Telly. Both videos were produced, directed, written, and narrated by Health and Safety Communications Project Leader Rob Nicholas of Industrial Hygiene and Safety.

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Lab Operator: (505) 667-5061

Communications Office

Office Director

[Jeff Berger](#), (505) 667-7000

External Communications

Science, Technology, Engineering

including aspects of energy security & climate change (see also Global Security):

[James Rickman](#), (505) 665-9203

Nuclear Weapons:

[Kevin Roark](#), (505) 665-9202

- Stockpile stewardship & assurance
- Advanced computing
- Weapons infrastructure
- Laboratory security

Global Security:

[Nancy Ambrosiano](#), (505) 667-0471

- Nuclear nonproliferation & response
- Space science
- Infrastructure protection
- Homeland security & defense
- Energy security (see also Science, Technology & Engineering)
- Climate change (see also Science, Technology & Engineering)

Environmental Management:

[Fred deSousa](#), (505) 665-3430

- Cleanup
- Compliance
- Monitoring
- Stewardship

Community Programs:

[Steve Sandoval](#), (505) 665-9206

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[Los Alamos National Laboratory attracts record number of students this summer](#)

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43% minorities

72% university degrees

- Education programs
- Bradbury Science Museum
- Economic development
- Community giving

Business Systems:  
*Steve Sandoval*, (505) 665-9206

- Acquisition Services (procurement)
- Human Resources

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Los Alamos National Security, LLC 9,452  
SOC (Guard Force) 510  
Other contractors 437  
Students 1,038

### Place

Located 35 miles northwest of Santa Fe, New Mexico, on 36 square miles of DOE-owned property.

More than 2,000 individual facilities, including 47 technical areas with 8 million square feet under roof.

Replacement value of \$5.9 billion  
Budget FY 2008: Approx. \$2 billion  
55% Weapons Programs  
8% Nonproliferation programs  
7% Safeguards and Security  
8% Environmental Management  
3% DOE Office of Science  
3% Energy and other programs  
15% Work for Others

### Workforce Demographics

43% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

Average Age: 45

67% male, 33% female  
43% minorities  
72% university degrees

31% hold undergraduate degrees  
19% hold master's degrees  
22% have earned a Ph.D.

Major Awards  
113 R&D100 awards since 1978  
28 E.O. Lawrence Awards  
The Seaborg Medal  
The Edward Teller Medal

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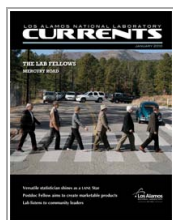
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## Publications

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### Currents

*Currents* is a monthly publication for employees and retirees. *Currents* focuses on the people behind the Laboratory's science and other initiatives. People are what make Los Alamos great, and it is the Lab's people and their research, achievements, and opinions that will take center stage in *Currents*. It is published by the Communications Office (CGA-CO) in the Communications and Government Affairs (CGA) Office.

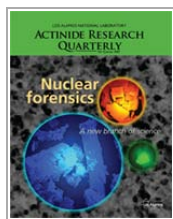
[Currents Archives](#)



### 1663 Los Alamos Science and Technology Magazine

1663 presents some of the most significant research initiatives and accomplishments of the Laboratory to a diverse audience. The articles cover topics from the entire portfolio of national-security-related programs, as well as from the discretionary research projects that advance the frontiers of basic science.

[1663 Archives](#)



### Actinide Research Quarterly

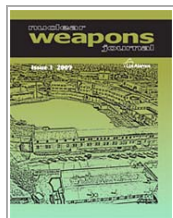
The "Actinide Research Quarterly" is a publication of the [Seaborg Institute for Transactinium Science](#) in the Stockpile Manufacturing and Support (SMS) Directorate. ARQ highlights progress in actinide science in such areas as process chemistry, metallurgy, surface and separation sciences, atomic and molecular sciences, actinide ceramics and nuclear fuels, characterization, spectroscopy, analysis, and manufacturing technologies. The magazine is aimed at peers at Los Alamos and other national laboratories and ADSMS's customers, including those in Washington, D.C.

[Actinide Research Quarterly Archives](#)



### Connections

*Connections* is a monthly publication that provides information from the Laboratory that community leaders could use. It is published by the Community Programs Office (CPO).



### Nuclear Weapons Journal

The Nuclear Weapons Journal (NWJ) publishes unclassified articles on nuclear weapons science and engineering at Los Alamos National Laboratory and on facilities, security, safety, and environmental topics related to the weapons programs. The NWJ is a publication of the Principal Associate Directorate for Weapons Programs

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### Los Alamos National Laboratory attracts record number of students this summer

Contact: Laura Ambrosiano, (505) 667-7000, [lauraa@lanl.gov](mailto:lauraa@lanl.gov); Steve Sandoval, (505) 665-9206, [steves@lanl.gov](mailto:steves@lanl.gov)

LOS ALAMOS, New Mexico, September 7, 2010—Los Alamos National Laboratory this summer attracted a record number of student interns, giving them the opportunity to conduct exciting and important research in a wide range of disciplines. More than 1,300 students interned in both technical and nontechnical fields.

[»Read more](#)

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NWJ Archives

Former publications

- Los Alamos NewsLetter Archives
- Los Alamos Science Archives
- Los Alamos Research Quarterly Archives
- Dateline: Los Alamos Archives

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Los Alamos National Laboratory  
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Los Alamos, NM 87545

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Currents	Threat Reduction	Required Training	Grant Proposals	Maps		Waste Management
Nuclear Weapons Journal	Weapons Program	Retirement	Communications Center	Recreation		Water
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### Lab to host second annual LDRD Day September 8

LOS ALAMOS, New Mexico, September 2, 2010—Some of Los Alamos National Laboratory's most innovative scientists will explain and present their cutting-edge work to the public on Wednesday, September 8, 2010, during LANL's second annual LDRD Day.

### Lab obtains approval to begin design on new radioactive waste staging facility

LOS ALAMOS, New Mexico, September 1, 2010—Los Alamos National Laboratory today announced it has obtained Department of Energy approval to begin preliminary design of a new transuranic (TRU) waste staging facility.

### Climate researcher McDowell receives Fulbright Scholar Award

LOS ALAMOS, New Mexico, August 31, 2010—Los Alamos National Laboratory climate scientist Nathan G. McDowell recently received a Fulbright Scholar Award.

### Awards recognize outstanding LANL Tech Transfer

LOS ALAMOS, New Mexico, August 23, 2010—The 12th Annual Technology Transfer Recognition and Awards reception honored Laboratory scientists and technicians who develop scientific technologies in support of the Laboratory's mission that have potential for commercialization in business and industry.

### Lab sets new record for waste shipments

LOS ALAMOS, New Mexico, August 20, 2010—Los Alamos National Laboratory set a new LANL record on Friday by completing its 132nd transuranic (TRU) waste shipment of fiscal year 2010 to the Waste Isolation Pilot Plant (WIPP) near Carlsbad, New Mexico.

### Laboratory employees collect backpacks, school supplies for area school children

LOS ALAMOS, New Mexico, August 20, 2010—Los Alamos National Laboratory employees donated more than 1,000 backpacks and thousands of school supplies, including pencils, pens, and notebooks during the Lab's annual School Supply Drive.

### Mimicking the Moon's surface in the basement

LOS ALAMOS, New Mexico, August 5, 2010—A team of scientists used an ion beam in a basement room at Los Alamos National Laboratory to simulate solar winds on the surface of the Moon.

### Lab completes first Recovery Act cleanup project

LOS ALAMOS, New Mexico, August 4, 2010—Los Alamos National Laboratory today announced it has completed the first of four major environmental cleanup projects funded by the American Recovery and Reinvestment Act.

### Los Alamos National Laboratory acknowledged for progress in safety excellence by Department of Energy

LOS ALAMOS, New Mexico, August 4, 2010—Los Alamos National Laboratory has received Merit-level recognition from the Department of Energy as part of DOE's Voluntary Protection Program (VPP).

### LANL Venture Acceleration Fund announces "Call for Ideas"

LOS ALAMOS, New Mexico, August 2, 2010—Through September 1, 2010, Northern New Mexico Connect (NNM Connect) is accepting [idea statements](#) for the Los Alamos National Security, LLC Venture Acceleration Fund (VAF).

### Zurek Awarded Albert Einstein Professorship Prize

LOS ALAMOS, New Mexico, July 30, 2010—Wojciech Zurek of Los Alamos National

## News Releases [Archive](#) »

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[» Read more](#)

## Fast Facts

Read about Los Alamos National Laboratory: [Fact Sheets](#)

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43% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

### Average Age: 45

67% male, 33% female  
43% minorities  
72% university degrees



Laboratory's Theoretical Division has been awarded the Albert Einstein Professorship Prize by the Foundation of the University of Ulm in Germany.

**Los Alamos National Laboratory sponsors 14th Hazmat Challenge**

LOS ALAMOS, New Mexico, July 22, 2010—Fourteen hazardous materials response teams from New Mexico and Oklahoma will test their skills at the 14th annual Hazmat Challenge July 27-30 sponsored by Los Alamos National Laboratory.

**Researchers use light to create rare uranium molecule**

LOS ALAMOS, New Mexico, July 12, 2010—For the first time ever, scientists have used light energy to create a rare molecular uranium nitride (U-N) complex containing a discrete terminal U-N unit, where the nitrogen atom is bonded only to the one uranium atom, versus prior work where the nitrogen atom has always been bonded to two or more uranium atoms.

**Lab captures five R&D100 awards for 2010**

Los Alamos, New Mexico, July 8, 2010—Los Alamos National Laboratory scientists have won five of R&D Magazine's R&D100 Awards. Winning Laboratory projects are DAAFox, MOXIE, Solution Deposition Planarization, Ultraconductus, and Ultrasonic Algal Biofuel Harvester.

**Recovery Act milestone: Excavation begins at Manhattan Project landfill**

Los Alamos, New Mexico, July 1, 2010—Los Alamos National Laboratory today began excavating a World War II-era landfill that could contain an entire truck used at the Trinity atomic bomb test—the world's first test of an atomic weapon.

**Los Alamos National Laboratory again top contributor to United Way of Santa Fe County**

Los Alamos, New Mexico, July 1, 2010—Employees of Los Alamos National Laboratory for the ninth consecutive year are the largest contributors to the United Way of Santa Fe County's annual giving campaign.

**Recovery Act funds advance cleanup efforts at Cold War site**

Los Alamos, New Mexico, June 29, 2010—Los Alamos National Laboratory this week began demolishing a cluster of 65-year-old buildings that once housed the world's first full-scale plutonium processing line.

**Laboratory program helps small businesses**

Los Alamos, New Mexico, June 23, 2010—The New Mexico Small Business Assistance (NMSBA) Program, a joint program of both Los Alamos and Sandia national laboratories, is looking for small businesses in need of technical assistance from the Laboratories.

**Haiti earthquake survivor to speak**

Los Alamos, New Mexico, June 14, 2010—When an earthquake struck Haiti last January, Christa Brelsford, a LANL student employee, was almost instantly trapped and partly crushed in the falling concrete of a building. She was saved by her brother and a friend, who hauled away debris for more than an hour before she was free.

**SAGE mission to Venus**

Los Alamos, New Mexico, June 11, 2010—Los Alamos National Laboratory scientists have developed instruments for Earth, the Moon, the Sun, Mars, Saturn, interstellar space, and the driving solar wind that flies between the planets. Now they're setting their sights on the planet Venus.

**Nearly 200 nonprofit organizations to receive monetary donations from Los Alamos National Security, LLC**

Los Alamos, New Mexico, June 7, 2010—Nonprofit organizations are receiving more than \$117,000 from Los Alamos National Security, LLC during a recognition event beginning at 9 a.m. Wednesday at Fuller Lodge in downtown Los Alamos. The monetary donations are being made to the nonprofits as a result of the volunteer efforts of Los Alamos National Laboratory employees and retirees.

**Los Alamos expertise integral to Nuclear Energy Innovation Hub**

Los Alamos, New Mexico, June 3, 2010—Los Alamos National Laboratory materials scientists and computer modeling experts have been selected to participate in an effort by the U.S. Department of Energy to create a "virtual" reactor that could lead to the next generation of safer, longer-lasting, and less-expensive nuclear reactors.

**Glimpse of heavy electrons reveals "hidden order"**

Los Alamos, New Mexico, June 3, 2010—Unconventional use of a well-known scientific instrument has helped scientists from Los Alamos National Laboratory, Brookhaven National Laboratory, and other institutions unravel a 25-year-old physics mystery and reveal a "hidden order" of the electronic structure inside an unusual superconducting material.

**Los Alamos National Laboratory to host forum June 16**

Los Alamos, New Mexico, May 28, 2010—Area business owners can learn about planned construction projects and potential economic opportunities at Los Alamos National Laboratory

31% hold undergraduate degrees  
19% hold master's degrees  
22% have earned a Ph.D.

**Major Awards**

113 R&D100 awards since 1978  
28 E.O. Lawrence Awards  
The Seaborg Medal  
The Edward Teller Medal

during a community forum from 10 a.m. to noon, June 16 at the Santa Claran Hotel in Española.

**Los Alamos-Argonne partnership will aid understanding of complex materials**

Los Alamos, New Mexico, May 27, 2010—An intimate understanding of complex materials that lie at the heart of pharmaceuticals or even nuclear weapons can occur more quickly and efficiently thanks to an agreement between Los Alamos and Argonne national laboratories.

**Los Alamos National Laboratory to host robot rodeo**

Los Alamos, New Mexico, May 21, 2010—Hazardous devices teams from around the Southwest will wrangle their bomb squad robots at the fourth annual Robot Rodeo beginning May 26 at Los Alamos National Laboratory.

**Fifty-five New Mexico students receive Los Alamos Employees' Scholarship Fund scholarships**

Los Alamos, New Mexico, May 3, 2010—Fifty-five New Mexico students are receiving scholarships thanks to the generosity of Los Alamos National Laboratory employees who donated to the Los Alamos Employees' Scholarship Fund.

**Los Alamos National Laboratory participates in National Lab Day to increase awareness of science across the nation**

Los Alamos, New Mexico, April 29, 2010—Los Alamos National Laboratory is joining other Department of Energy labs and several other organizations nationwide in National Lab Day with events May 4 and 5 at the Bradbury Science Museum.

**Melrose High trio named top team in 20th New Mexico Supercomputing Challenge**

Los Alamos, New Mexico, April 27, 2010—A trio of students from Melrose High School captured the top prize in the 20th New Mexico Supercomputing Challenge hosted by Los Alamos National Laboratory.

**Laboratory Technologies ENDURE™ SCR Catalyst and Hyperion Power Module Garner Federal Laboratory Consortium Awards**

Los Alamos, New Mexico, April 27, 2010—Two Los Alamos National Laboratory technologies, ENDURE SCR Catalyst and Hyperion Power Module, received Awards of Excellence in Technology Transfer from the Federal Laboratory Consortium.

**Students descend on Los Alamos National Laboratory April 26-27 for Supercomputing Challenge expo and awards ceremony**

Los Alamos, New Mexico, April 21, 2010—More than 250 New Mexico middle- and high-school students and their teachers are at Los Alamos National Laboratory April 26 and 27 for judging and the awards ceremony in the 20th annual New Mexico Supercomputing Challenge.

**Laboratory awards final Recovery Act demolition contracts**

Los Alamos, New Mexico, April 20, 2010—Los Alamos National Laboratory today announced it has awarded its final two demolition contracts under the American Recovery and Reinvestment Act. The two winning bidders will each demolish a portion of the remaining unused buildings at the Lab's historic Technical Area 21.

**Earth Day event showcases LANL energy work**

Los Alamos, New Mexico, April 19, 2010—The public is invited to learn about projects in energy conservation, generation, research, and management at an Energy Town Hall April 21. The event, entitled "A Public Forum of Energy on the Pajarito Plateau," is from 1 to 4:30 p.m. in the Jemez and Cochiti Rooms at the Lab's J. Robert Oppenheimer Study Center.

**Los Alamos National Laboratory communicators capture numerous awards from Society for Technical Communication**

Los Alamos, New Mexico, April 15, 2010—Los Alamos National Laboratory employees received a number of awards in the 2009 Technical Publications and Online Communication competition sponsored by the East Tennessee chapter of the Society for Technical Communication (STC).

**Tri-Lab Directors' Statement on the Nuclear Posture Review**

Los Alamos, New Mexico, April 9, 2010—The directors of the three Department of Energy, National Nuclear Security Administration Laboratories – Dr. George Miller from Lawrence Livermore National Laboratory, Dr. Michael Anastasio from Los Alamos National Laboratory, and Dr. Tom Hunter from Sandia National Laboratories – today issued the following statement on the Nuclear Posture Review.

**Learn about business networking opportunities at Los Alamos National Laboratory small business forum April 20 in Española**

Los Alamos, New Mexico, April 9, 2010—Small business owners can get first-hand information about doing business with Los Alamos National Laboratory at a small business forum April 20 at Ohkay Owingeh Conference Center in Española.

**New Mexico Small Business Assistance Program to recognize outstanding companies at Innovation Celebration**

Los Alamos, New Mexico, April 7, 2010—The [New Mexico Small Business Assistance Program](#) (NMSBA) helped 320 companies in 25 counties last year to solve technical challenges. Nine companies that participated in the program in 2009 will be honored for their outstanding achievements April 8 at the NMSBA's Innovation Celebration. Journalists are invited to meet small business owners, scientists, and LANL and Sandia officials at the NMSBA program's Innovation Celebration from 5:30 to 8:30 p.m. April 8 at The Bishop's Lodge in Tesuque.

**Carbon nanostructures—elixir or poison?**

Los Alamos, New Mexico, March 31, 2010—A Los Alamos National Laboratory toxicologist and a multidisciplinary team of researchers have documented potential cellular damage from “fullerenes”—soccer-ball-shaped, cage-like molecules composed of 60 carbon atoms. The team also noted that this particular type of damage might hold hope for treatment of Parkinson's disease, Alzheimer's disease, or even cancer.

**Investor and entrepreneur visits Los Alamos for Open Coffee**

Los Alamos, New Mexico, March 29, 2010—Brad Feld, a renowned early-stage investor and entrepreneur, will attend a meeting of the Open Coffee Club networking event from 10 a.m. to noon April 1 at Los Alamos Research Park, 4200 West Jemez Road. The event is a first of its kind in Los Alamos and is open to anyone interested in startup companies in New Mexico.

**Safer nuclear reactors could result from Los Alamos research**

Los Alamos, New Mexico, March 25, 2010—Self-repairing materials within nuclear reactors may one day become a reality as a result of research by Los Alamos National Laboratory scientists. In a paper appearing today in the journal *Science*, Los Alamos researchers report a surprising mechanism that allows nanocrystalline materials to heal themselves after suffering radiation-induced damage.

**Washington Post editor David E. Hoffman talks about new book, *The Dead Hand***

Los Alamos, New Mexico, March 22, 2010—David E. Hoffman will present his new book, [The Dead Hand: The Untold Story of the Cold War Arms Race and Its Dangerous Legacy](#), during a talk at 5:15 p.m. March 25 at the Bradbury Science Museum in downtown Los Alamos.

**Director's Colloquium March 18 Large Hadron Collider**

Los Alamos, New Mexico, March 10, 2010—In an unclassified Director's Colloquium on March 18, Lyndon Evans of CERN, the European Organization for Nuclear Research, will talk about the most complex scientific instrument ever built—the Large Hadron Collider (LHC). The talk, entitled “The Large Hadron Collider Adventure,” is at 1:10 p.m. in Los Alamos National Laboratory's Physics Building Auditorium.

**LANL awards Recovery Act contract worth up to \$100 million**

Los Alamos, New Mexico, March 10, 2009—Los Alamos National Laboratory has selected a small business to perform up to \$100 million in waste transportation and disposal work under the American Reinvestment and Recovery Act, the Lab announced today.

**LANL exceeds early Recovery Act recycling goals**

Los Alamos, New Mexico, March 9, 2010—Los Alamos National Laboratory announced today that Lab demolition projects under the American Recovery and Reinvestment Act have recovered more than 136 tons of recyclable metal since work began last year, largely due to the skill of heavy equipment operators and efforts to gut the buildings before they come down.

**Laboratory announces selection of Venture Acceleration Fund recipients**

Los Alamos, New Mexico, March 8, 2010—Los Alamos National Laboratory (LANL) has selected Simtable and Southwest Bio Fuels as recipients of \$100,000 awards from the Los Alamos National Security, LLC Venture Acceleration Fund.

**LANL gets young women involved in math and science at 31st Expanding Your Horizons Conference April 6**

Los Alamos, New Mexico, March 4, 2010—Los Alamos National Laboratory is again cosponsoring the Expanding Your Horizons in Math and Science™ Conference to give middle- and high-school girls from Northern New Mexico an opportunity to learn more about careers in science, technology, engineering, and math (STEM).

**HIV vaccine strategy expands immune responses**

Los Alamos, New Mexico, March 3, 2010—Two teams of researchers—including Los Alamos National Laboratory theoretical biologists Bette Korber, Will Fischer, Sydeaka Watson, and James Szinger—have announced an HIV vaccination strategy that has been shown to expand the breadth and depth of immune responses in rhesus monkeys. Rhesus monkeys provide the best animal model currently available for testing HIV vaccines.

**Laboratory Fellow Rusty Gray named president of TMS**

Los Alamos, New Mexico, February 24, 2010—Los Alamos National Laboratory Fellow George T. “Rusty” Gray III was selected as 2010 president of The Minerals, Metals &

Materials Society (TMS) during the society's annual meeting this month in Seattle, Washington.

**LANL Medal recipient George Cowan, 90, presents memoirs at talk, book signing February 25 in Los Alamos**

Los Alamos, New Mexico, February 17, 2010—Scientist, businessman, and philanthropist George Cowan will talk about his new book, *Manhattan Project to the Santa Fe Institute*, at 5:15 p.m. February 25 at the Bradbury Science Museum in downtown Los Alamos.

**Laboratory increases shipments of waste to WIPP repository**

Los Alamos, New Mexico, February 11, 2010—In a seven-week push starting this week, Los Alamos National Laboratory will nearly double its number of weekly shipments to the Waste Isolation Pilot Plant near Carlsbad, NM, Lab officials said today. The campaign will eliminate LANL's existing backlog of approximately 1,500 drums of legacy transuranic waste awaiting shipment to WIPP.

**Cyber sleuths face off**

Los Alamos, New Mexico, February 10, 2010—Cyber-security first responders will be put to the test in an upcoming training-and-competition event hosted by Los Alamos and Sandia national laboratories. Federal, industry, and New Mexico state computer specialists will meet for a grueling week that combines state-of-the-art training with opportunities to team up, solve relevant cyber problems, and attack one another. In a friendly and collaborative competition, participants will hone their skills against the best in the business.

**Five Los Alamos researchers receive Early Career Awards**

Los Alamos, New Mexico, January 21, 2010—Five Los Alamos National Laboratory scientists have been awarded five-year research grants under the American Reinvestment and Recovery Act through the U.S. Department of Energy's prestigious Office of Science Early Career Research Program, Energy Secretary Steven Chu announced recently. The awards represent a significant investment of Recovery Act funding to bolster the nation's scientific workforce.

**LANL to play key role in biofuel development**

Los Alamos, New Mexico, January 14, 2010—Los Alamos National Laboratory will play a key role in helping develop advanced biofuels for transportation, thanks to funding from the American Reinvestment and Recovery Act (ARRA).

**LANL announces Top 10 science stories of 2009**

Los Alamos, New Mexico, January 8, 2010—Los Alamos National Laboratory has identified the Top 10 Laboratory science stories of 2009 based on global viewership of online media content and major programmatic milestones.

**Attune acoustic focusing cytometer brings technology developed at LANL to the marketplace**

Los Alamos, New Mexico, January 7, 2010—Life Technologies Corporation recently announced the release of the Attune™ Acoustic Focusing Cytometer, a first-of-its-kind cytometer system that uses acoustic waves to precisely control the movement of cells during analysis. The Attune Acoustic Focusing Cytometer is based on a portfolio of intellectual property developed at LANL, for which Life Technologies holds the exclusive commercial license rights. » [Read more](#)

**Unique LANL pathogen detector gains corporate partner**

Los Alamos, New Mexico, December 14, 2009—Los Alamos National Laboratory has executed an agreement with Biomagnetics Diagnostics Corporation (BMGP) for the further development of a diagnostic tool known as an optical biosensor.

**Eleven nonprofit organizations receive Community Giving grants from Los Alamos National Security, LLC**

Los Alamos, New Mexico, December 15, 2009—Eleven local nonprofit organizations with projects supported by Los Alamos National Laboratory employee volunteers received \$75,000 in Community Giving grants from Los Alamos National Security, LLC, the company that manages the Lab for the National Nuclear Security Administration.

**NNSA, LANL announce successful first Dual-Axis hydrodynamic test**

Washington, D.C. - The National Nuclear Security Administration (NNSA) announced today that Los Alamos National Laboratory (LANL) fired its first-ever double-viewpoint hydrodynamic test of a nuclear weapon component mockup. The test, conducted by LANL scientists and engineers, took place at the Dual Axis Radiographic Hydrodynamic Test (DARHT) facility at Los Alamos.

**Lab begins demolition of Cold War-era buildings**

Los Alamos, New Mexico, December 1, 2009— Los Alamos National Laboratory today began full-scale demolition of a Cold War-era complex of buildings that once housed plutonium production and historic, nonweapons research.

**Los Alamos National Laboratory employees, Lab contractor pledge record \$2.3 million to local United Way organizations, other nonprofits**

Los Alamos, New Mexico, December 1, 2009— Los Alamos National Laboratory employees once more demonstrated concern for their communities and those in need by pledging a record \$1.3 million to United Way and other eligible nonprofit programs.

**Lab receives \$25,000 for Math and Science Academy from Chevron Energy Technology Company**

Los Alamos, New Mexico, November 30, 2009— LANL recently accepted a \$25,000 contribution from Chevron Energy Technology Company, a Chevron Corporation (NYSE:CVX) subsidiary, to the LANL Foundation to support the Northern New Mexico Math and Science Academy, a professional development program for K-12 teachers. The program is conducted by LANL in cooperation with its regional education, business, and government partners.

**Lookman and Moore named 2009 LANL Fellows Prize recipients**

Los Alamos, New Mexico, November 23, 2009— Commendations for exemplary scientific research and leadership have been bestowed upon Los Alamos National Laboratory researchers Turab Lookman and David S. Moore by the Laboratory Fellows organization.

**One of the largest-ever computer models explores "turbulent flames" as they occur in early stages of a supernova**

Los Alamos, New Mexico, November 16, 2009— Scientists use the Roadrunner supercomputer to model the seemingly random motion of fluid flows, a fundamental process in physics called turbulence, that could help explain how stars being to explode into supernovae.

**New funding will stimulate alternative energy research: Los Alamos to play key role in four geothermal projects funded by ARRA**

Los Alamos, New Mexico, November 16, 2009— Initiatives to provide geothermal heating or power at the Pueblo of Jemez and the New Mexico Institute of Mining and Technology campus are receiving Los Alamos National Laboratory assistance, thanks to recent American Reinvestment and Recovery Act (ARRA) funding.

**LANL breaks ground on key sediment control project**

Los Alamos, New Mexico, November 5, 2009— Crews broke ground this week on one of two engineered structures in a Los Alamos National Laboratory environmental project to reduce the flow of sediments down two canyons toward the Rio Grande.

**Los Alamos National Laboratory names six scientists as 2009 Fellows**

Los Alamos, New Mexico, November 5, 2009— Antoinette "Toni" Taylor, Stephen Becker, Joachim Birn, Lowell Brown, Patrick Colestock, and Samuel "Tom" Picraux have been designated 2009 Los Alamos National Laboratory Fellows in recognition of sustained, outstanding scientific contributions and exceptional promise for continued professional achievement.

**Laboratory adds a sixth R&D 100 Award to its 2009 count**

Los Alamos, New Mexico, November 4, 2009—Los Alamos National Laboratory recently learned that codevelopment of a high-resolution UV holography lens with National Security Technologies (NSTec) earned the Lab a sixth *R&D Magazine* 2009 R&D 100 Award.

**Multibillion-atom molecular dynamics simulations of how extreme shock waves break materials into pieces**

Los Alamos, New Mexico, Oct. 30, 2009— The fundamental properties of any given material are explored to better understand their basic strengths and weaknesses, potentially giving rise to new kinds of materials that perform at their extreme limits.

**LANL sponsors Recovery Act job fair**

Los Alamos, New Mexico, Oct. 30, 2009— Nearly 500 job seekers turned out for a LANL-sponsored job fair near Española, New Mexico, on Thursday.

**Magnetic process plays key role in the earth's magnetosphere, solar flares, magnetic fusion machines, and variety of astrophysical problems**

Los Alamos, New Mexico, Oct. 30, 2009— Magnetic reconnection is a fundamental process in physics, the continuous breaking and rearrangement of magnetic field lines in a plasma; plays central role in new discoveries.

**Los Alamos National Laboratory awards subcontracts for architectural and engineering services**

Los Alamos, New Mexico, Oct. 29, 2009— Six small businesses are receiving subcontracts totaling up to \$200 million for providing architectural and engineering services to Los Alamos National Laboratory.

**Zerkle wins Governor's Distinguished Public Service Award**

Los Alamos, New Mexico, Oct. 29, 2009— Carolyn E. Zerkle, leader of Los Alamos National Laboratory's Stimulus Project, has been named a 2009 winner of the Governor's New Mexico Distinguished Public Service Award.



Scientists use world's fastest computer to simulate nanoscale material failure

Los Alamos, New Mexico, Oct. 29, 2009— Very tiny wires, called nanowires, made from such metals as silver and gold, may play a crucial role as electrical or mechanical switches in the development of future-generation ultrasmall nanodevices.

Scientists use world's fastest computer to understand nonlinear physics of high-power lasers

Los Alamos, New Mexico, Oct 28, 2009—For years scientists have struggled with the difficult physics of inertial confinement fusion. This is the attempt to compress a target capsule containing isotopes of hydrogen with high-powered lasers to high enough pressure and temperature to initiate fusion burn.

Neutron stars is focus of Los Alamos National Laboratory Frontiers in Science lectures

Los Alamos, New Mexico, Oct. 27, 2009—Los Alamos National Laboratory scientist Sanjay Reddy talks about the nature of neutron stars in a Frontiers in Science lecture at 7 p.m., November 3, in the Duane Smith Auditorium at Los Alamos High School.

Scientists use world's fastest supercomputer to create the largest HIV evolutionary tree

Los Alamos, New Mexico, Oct. 27, 2009— Supporting Los Alamos National Laboratory's role in the international Center for HIV/AIDS Vaccine Immunology (CHAVI) consortium, researchers are using the Roadrunner supercomputer to analyze vast quantities of genetic sequences from HIV infected people in the hope of zeroing in on possible vaccine target areas.

Scientists use world's fastest supercomputer to model origins of the unseen universe

Los Alamos, New Mexico, Oct. 26, 2009—Understanding dark energy is the number one issue in explaining the universe, according to Salman Habib, of the Laboratory's Nuclear and Particle Physics, Astrophysics and Cosmology group.

Science at the petascale: Roadrunner results unveiled

Los Alamos, New Mexico, Oct. 26, 2009—The world's fastest supercomputer, Roadrunner, at Los Alamos National Laboratory has completed its initial "shakedown" phase doing accelerated petascale computer modeling and simulations of a variety of unclassified, fundamental science projects.

At LANL-sponsored networking forum— Businesses make their pitch for Recovery Act work

Pojoaque, New Mexico, Oct. 22, 2009— Los Alamos National Laboratory today hosted a business "speed-dating" event for Recovery Act subcontractors—a rapid-fire networking forum where each company in attendance got three minutes to make a pitch.

Standards for a new genomic era

Los Alamos, New Mexico, Oct. 21, 2009— A team of geneticists at Los Alamos National Laboratory, together with a consortium of international researchers, has recently proposed a set of standards designed to elucidate the quality of publicly available genetic sequencing information. The new standards could eventually allow genetic researchers to develop vaccines more efficiently or help public health or security personnel more quickly respond to potential public-health emergencies.

Stopping executions, saving computers with new malware detection tool

Los Alamos, New Mexico, Oct. 13, 2009— In the cyber security world, looking for viruses or other malicious files on computers opens the door to potentially releasing the file and contaminating one's system. In classical terms, if you peer into Medusa's eyes, you're turned to stone. Greek hero Perseus turned a mirror on the monster to protect himself, and in similar fashion a team of scientists from LANL's International, Space, and Response Division and LANL's Advanced Computing Laboratory has patented a computer tool that allows the machine to identify malicious executable files without being exposed to their harmful actions.

IBEX Satellite finds ribbon-like structure at edge of heliosphere

Los Alamos, New Mexico, Oct. 15, 2009— The invisible structures of space are becoming less so, as scientists look out to the far edges of the solar wind bubble that separates our solar system from the interstellar cloud through which it flies. Using the High Energy Neutral Atom Imager, led by Los Alamos National Laboratory, the NASA Interstellar Boundary Explorer (IBEX) mission has sent back data that indicates a "noodle soup" of solar material has accumulated at the outer fringes of the heliosphere bubble.

NNSA and Defense Nuclear Facilities Safety Board Certifications free up \$47 million in previously allocated funding

Los Alamos, New Mexico, Oct. 2, 2009 — The Chemistry and Metallurgy Research Replacement project at Los Alamos National Laboratory has received certification of design

issue closure from the Defense Nuclear Facilities Safety Board and the National Nuclear Security Administration, freeing up \$47 million in previously allocated funding.

**Oldest hominid skeleton provides new evidence for human evolution**

Los Alamos, New Mexico, Oct. 1, 2009— A Los Alamos National Laboratory geologist is part of an international research team responsible for discovering the oldest nearly intact skeleton of *Ardipithecus ramidus*, who lived 4.4 million years ago. The discovery reveals the biology of the first stage of human evolution better than anything seen to date.

**LANL demolishes first containment dome at disposal area**

Los Alamos, New Mexico, Sept. 30, 2009— A Los Alamos National Laboratory crew today began demolishing the first containment dome at the Lab's largest and only remaining active disposal area.

**Bradbury Science Museum takes part in Smithsonian's Museum Day Sept. 26**

Los Alamos, New Mexico, Sept. 21, 2009 - Los Alamos National Laboratory's Bradbury Science Museum is participating in the Smithsonian's fifth annual Museum Day on Saturday, Sept. 26. Sponsored by Smithsonian magazine, Museum Day is a day when museums and cultural institutions across the nation open their doors free of charge to Smithsonian magazine subscribers and Smithsonian.com visitors.

**"Artificial" Brains, electrical grids, and disease modeling: Los Alamos Science discoveries unveiled Sept. 15**

Los Alamos, New Mexico, Sept. 8, 2009—Los Alamos National Laboratory scientists will share their discoveries with the public and their peers at the Laboratory's first LDRD (Laboratory-Directed Research and Development) Day Sept. 15.

**Los Alamos technology strikes a chord with algal Biofuels**

Los Alamos, New Mexico, Sept. 2, 2009— An award-winning Los Alamos National Laboratory sound-wave technology is helping Solix Biofuels, Inc. optimize production of algae-based fuel in a cost-effective, scalable, and environmentally benign fashion—paving the way to lowering the carbon footprint of biofuel production.

**Hydrogen storage gets new hope**

Los Alamos, New Mexico, Sept. 1, 2009— A new method for "recycling" hydrogen-containing fuel materials could open the door to economically viable hydrogen-based vehicles.

**Los Alamos National Laboratory to change vehicle traffic-screening regimen at vehicle inspection station**

Los Alamos, New Mexico, Sept. 1, 2009— Los Alamos National Laboratory is changing its staffing of the vehicle inspection station at East Jemez Road and Diamond Drive effective Saturday, Sept. 26.

**Los Alamos National Laboratory awards subcontracts for architectural and engineering services**

Los Alamos, New Mexico, Aug. 28, 2009— Six small businesses are receiving subcontracts totaling up to \$200 million for providing architectural and engineering services to Los Alamos National Laboratory.

**High-Efficiency solid-state lighting and superconductor research receives funding**

Los Alamos, New Mexico, Aug. 26, 2009— Lower-cost, higher-efficiency lighting and better superconducting materials could result from a pair of grants awarded to Los Alamos National Laboratory researchers.

**Frontiers in Science Lectures focus on radiography and its contributions to advancing science, medicine**

Los Alamos, New Mexico, Aug. 21, 2009- In a series of lectures starting Tuesday, Aug. 25, Los Alamos National Laboratory scientist Christopher Morris talks about the science of radiography during a Frontiers in Science lecture at 7 p.m. at the James Little Theater of the New Mexico School for the Deaf, 1060 Cerrillos Road in Santa Fe.

**Regional companies eye growth thanks to Venture Acceleration Fund**

Los Alamos, New Mexico, Aug. 19, 2009— vIn Aug., Adaptive Radio Technologies, Los Alamos Visualization Associates, Mesa Tech International Inc., and ThermaSun Inc. were awarded approximately \$100,000 each from the Los Alamos National Security, LLC Venture



Acceleration Fund.

**Bret Knapp to head combined Weapons Engineering, Weapons Physics Directorates at Los Alamos National Laboratory**

Los Alamos, New Mexico, Aug. 18, 2009—Two of the three Los Alamos National Laboratory weapons programs directorates have been combined under the leadership of Bret Knapp as the associate director for the new weapons directorate.

**Los Alamos National Laboratory names cleanup subcontractors**

Los Alamos, New Mexico, Aug. 14, 2009—Los Alamos National Laboratory today named three small businesses as subcontractors for up to \$100 million in environmental cleanup work. The companies will carry out most of the demolition funded under the American Recovery and Reinvestment Act, as well as other work.

**Lab announces Venture Acceleration Fund recipients**

Los Alamos, New Mexico, Aug. 11, 2009 - Los Alamos National Laboratory has selected Adaptive Radio Technologies, Los Alamos Visualization Associates, Mesa Tech International Inc., and ThermaSun Inc. as recipients of awards from the Los Alamos National Security, LLC Venture Acceleration Fund.

**Los Alamos National Security creates mentor-protégé agreements with two veteran-owned businesses**

Los Alamos, New Mexico, July 30, 2009—Los Alamos National Security, LLC (LANS) and Los Alamos National Laboratory have entered into new mentor-protégé agreements with SDV Construction and Trillacorpe Construction, both service-disabled veteran-owned small businesses.

**Charles McMillan to lead Los Alamos National Laboratory's Weapons Program**

Los Alamos, New Mexico, July 28, 2009—Charles McMillan has been appointed the new principal associate director for Weapons Programs at Los Alamos National Laboratory. McMillan succeeds Glenn Mara, who recently retired.

**Los Alamos National Laboratory scientists will codirect \$14.5 million National Center for Systems Biology**

Los Alamos, New Mexico, July 28, 2009—Los Alamos National Laboratory scientists will codirect a new National Center for Systems Biology located at the University of New Mexico in Albuquerque.

**Los Alamos National Laboratory sponsors Hazmat Challenge**

Los Alamos, New Mexico, July 27, 2009—Seven hazardous materials response teams from New Mexico and Oklahoma will test their skills at the 13th annual Hazmat Challenge July 28-31 sponsored by Los Alamos National Laboratory.

**Los Alamos National Laboratory receives Recovery Act Funds**

Los Alamos, New Mexico, July 21, 2009—Los Alamos National Laboratory today announced plans to begin spending environmental cleanup funds made available under the American Recovery and Reinvestment Act. The \$212 million in Recovery Act funds will go toward environmental compliance and cleaning up Cold War-era buildings slated for demolition.

**Laboratory snags five R&D 100 awards**

Los Alamos, New Mexico, July 21, 2009—Los Alamos National Laboratory scientists won five of R&D Magazine's 2009 R&D 100 Awards. Recognized as the "Oscars of Invention" by the Chicago Tribune, these awards honor the top 100 proven technological advances of the past year. Winning Laboratory projects are MagViz, the SIMTECHE CO2 Capture Process, Lasonix, TeraOps Software Radio, and the Artificial Retina Project.

**Los Alamos National Security invests in Santa Fe Community College Foundation**

Los Alamos, New Mexico, July 16, 2009—Representatives from Los Alamos National Security, LLC and Los Alamos National Laboratory today are presenting a check for \$100,000 to the Santa Fe Community College and its GROW Foundation for the college's planned Sustainable Technologies Center.

**White House Honors Los Alamos Physicist's Early Career Work**

Los Alamos, New Mexico, July 10, 2009—The White House today announced that Los

Alamos National Laboratory physicist Ivan Vitev has received a prestigious Presidential Early Career Award for Scientists and Engineers (PECASE). The honor is the highest bestowed by the U.S. government to outstanding scientists early in their careers.

Final remote-handled waste canister leaves Los Alamos National Laboratory

Los Alamos, New Mexico, July 2, 2009 —Los Alamos National Laboratory officials today announced the safe departure of the Laboratory's 16th and final canister of "remote-handled" radioactive waste destined for the Waste Isolation Pilot Plant (WIPP) near Carlsbad, New Mexico.

LANL confident in fire protection program

Los Alamos, New Mexico, June 29, 2009—The Department of Energy Inspector General has issued an audit report that is critical of the Lab's ability to address fire protection deficiencies.

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