



Article Search

Go

Nov 21, 2006 Jobs | Cars | Real Estate | Apartments | ShopLocal | Place An Ad

- Site Index
- LOCAL NEWS
 - Long Island News
 - New York City News
 - Nation | World
 - Schools | Politics
 - State / Region
 - Health / Science
 - Columnists
 - Corrections
 - Obituaries
- HOMEPAGE
 - Sports | High School
 - Business
 - Entertainment
 - Explore Long Island
 - Health/Science
 - Opinion | Letters
 - Obituaries
 - Blogs | Columnists
- THE PAPER
 -
- Today's Edition
- Subscribe
- Last 7 Days
- E-Mail Alerts
- Wireless | RSS
- CLASSIFIEDS
 - Jobs | Cars
 - Real Estate
 - Apartments
 - ShopLocal | Dating

AP New York

Lab tests townhouse against 6.7 earthquake

November 14, 2006, 5:35 PM EST

AMHERST, N.Y. (AP) _ A two-story, wood-frame town house shook with the force of a simulated 6.7 magnitude earthquake Tuesday under the watchful eye of engineers studying how buildings react to such stress.

The 1,800-square-foot building constructed inside the University at Buffalo's Structural Engineering and Earthquake Simulation Laboratory was the largest wood structure ever to undergo seismic testing, the university said.

After 15 seconds of shaking designed to mimic the magnitude-6.7 Northridge earthquake that struck the Los Angeles area in 1994, the town house showed large cracks above the garage door and the contents of desks and shelves were strewn about the floor.

The test ended the first year of a four-year, \$1.24 million National Science Foundation-funded project intended to help engineers design wood-frame structures better able to withstand earthquakes.

"It's a very realistic test," said UB engineering professor Andre Filiatrault, the lead investigator on the UB test. "This is a full-scale earthquake."

The town house was constructed on twin shake tables which moved in three directions in a way similar to ground motions recorded near the Northridge quake's epicenter.

Advertising LocalLinks

Lose 20 lbs for Fall!

As Seen on 60 Minutes: Hoodia Diet Patch Stops Hunger! Free Trial!

Refinance Today 3.9%

\$250,000 mortgage for \$833/month. Get 4 free quotes. Bad credit OK!

[Buy a link here](#)

During the test, 250 sensors inside the house recorded the effects on the building's components and a dozen video cameras rolled. The data will be evaluated over the next six months.

"The results from this benchmark test at UB probably will change the way we model wood-frame structures," said John van de Lindt, associate professor of civil engineering at Colorado State University and the lead investigator for the research project, called NEESWood.

Grocery Coupons	The researchers eventually want to design six-story, wood-frame structures able to withstand earthquakes. An estimated 80 to 90 percent of all structures in the United States and virtually all homes in California have wood-frame construction.	—
Event Tickets		
Pay-Per-Click		
How2Guide	The NEESWood project will culminate in 2009 with a test of a six-story building on the world's largest shake table in Miki City, Japan.	S V K
SERVICES		
About Contact us	___P>	
Register Log in		
How to advertise	On the Net:	
Community	Structural Engineering and Earthquake Simulation Laboratory at University at Buffalo: http://nees.buffalo.edu/	
Career with us		
Buy photos		
Minority job conference	<hr/> Advertising LocalLinks <hr/>	
Archives	Lose 20 lbs for Fall!	
CONTESTS	As Seen on 60 Minutes: Hoodia Diet Patch Stops Hunger! Free Trial! www.curbyourcravings.com/hoodia	
Superman DVD	Refinance Today 3.9%	C
"Annie" Tickets Giveaway	\$250,000 mortgage for \$833/month. Get 4 free quotes. Bad credit OK! www.RefinanceSave.com	
Puerto Vallarta Vacation	AARP Auto Insurance.	
	Over 50? You could save up to \$350 on your auto insurance. Get a quote. http://AARP.TheHartford.com	
Win a "You, Me & Dupree" DVD	Anti-aging Wrinkle Cream	
	Renew, refresh and rebuild skin with our free 30-day supply. www.relastin.com	
	Buy a link here	
	<hr/> Subscribe to Newsday home delivery Article licensing and reprint options	

News Long Island Region Nation World Opinion Letters Columnists Special Reports Blogs Obituaries Health / Science Weather Tides Corrections AP Top News	Sports Mets Yankees Jets Giants Islanders Rangers Knicks Liberty High Schools Local Colleges Lacrosse Dragons Golf Tennis Latest Scores Ski Reports	Entertainment Movies Music Local Events Restaurants Food Theater TV Impulse! I-Team Photos Arts Books Comics Crossword Sudoku Horoscopes Home and Gardens Travel Flights Features / Part 2 Advice Lottery Results	Business Stock Quotes Retirement / Act 2 Technology Real Estate Personal Finance Top companies Executive compensation Auto news Today's paper Last 7 Days E-Mail Alerts Wireless RSS Archives back to 1985 Buy Photos The Fold	Community Help A Family Life's Victories It Happened on Long Island FutureCorps Newsday In Education Community Champions Advisory Panel Charitable Giving Speakers Bureau Reader Services Contact us Subscription services Reprint information Premium collections Member Services About Newsday Career Opportunities
---	--	---	---	--

Partners: [New York News from amNY.com](#) | [Long Island Weddings](#) | [Parents & Children](#) | [CW11](#) | [Star Community Publishing](#) | [Tourist](#)

Classified partners: [Shopping: ShopLocal.com](#) | [Careerbuilder for jobs](#) | [Cars.com for Autos](#) | [Apartments.com for rentals](#) | [Homescap](#)

By visiting this site, you are agreeing to our [Terms of Service](#) and [Privacy Policy](#). Copy