

California State University, East Bay and the Bay Area Science Festival proudly present:



Lawrence Livermore National Laboratory  
**SCIENCE ON SATURDAY**

## **Avoiding Armageddon: Diverting Asteroids with Nuclear Explosives**



Come learn from Dr. David Dearborn, an LLNL scientist, about the development of asteroid diversion by nuclear explosives! The impact of asteroids can cause little or no damage to our planet or may have the potential to destroy entire regions or civilizations. This lecture presents an overview of impact threat, followed by the development of the ability to divert such objects through nuclear explosives.

This lecture is FREE and open to the public as part of Discovery Day at the Cal State East Bay Science Festival 2011.

**Saturday, October 29<sup>th</sup>, 2011**

**11:00 AM – 12:00 PM**

**At the Valley Business & Technology Center  
California State University, East Bay  
25800 Carlos Bee, Blvd., Hayward, CA 94542**

For more information and directions please contact the College of Science: (510) 885-3441 or visit our website: [www20.csueastbay.edu/csci/](http://www20.csueastbay.edu/csci/) and click on "Science Festival 2011."

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Science on Saturday (SOS) is a series of science lectures for middle and high school students. Each topic highlights cutting-edge science occurring at the Lawrence Livermore National Laboratory (LLNL). The talks are presented by leading LLNL science researchers supported by master high school science teachers. These presentations are offered in several locations.

Admission is free of charge. Seating is on a first come basis. Seats may not be reserved in advance. Please come early to ensure that you will find a seat.

Students receive a "Student Notes" worksheet to record key information from the talk. The worksheet will be marked with the official SOS stamp at the end of the presentation. Many teachers use the worksheet to award "extra credit." Students should check with their teacher in advance to determine if they will receive credit for attending SOS.

Teachers who attend the SOS presentations can receive a CD with the presentation slides. If the talk is video recorded, they can receive a DVD of the recorded talk as well. These CDs and DVDs are offered free of charge and are sent by mail after the completion of the lecture series for the year. Be sure to register when you attend to receive your copy of these valuable teaching resources.

When you are campus to attend Science on Saturday, you can also visit Cal State East Bay's Science Festival 2011....

CALIFORNIA STATE  
UNIVERSITY  
EAST BAY

For More Information:  
(510) 885-3441 or  
[www.sci.csueastbay.edu/festival](http://www.sci.csueastbay.edu/festival)



# Science Festival 2011

**Discover the Wonders of Science**

Bay Area  
**SCIENCE  
FESTIVAL**

Science Festival 2011 at Cal State East Bay is the kickoff event for the first ever, week-long, Bay Area Science Festival.

[www.bayareascience.org](http://www.bayareascience.org)

**Saturday, October 29, 2011  
11:00am—4:00pm**

**Location: Cal State East Bay, Hayward Campus  
North Science, South Science,  
and the Valley Business and Technology Center**

**Free & Open  
to the Public**

*Free Parking on the day of event.*

**Watch, Participate, and Learn...  
over 60 different activities and exhibits**

- Demonstrations
- Experiments
- Hands On Activities
- Games
- Exhibits
- Lectures...and much, much more