spotlight on Science

Please note the following dates and locations:

Livermore High School, 600 Maple St., Livermore
Monday, Sept. 16, 2002, 7 p.m.
Thursday, Nov. 14, 2002, 7 p.m.
Thursday, Jan. 23, 2003, 7 p.m.
Thursday, March 27, 2003, 7 p.m.

Amador High School Playhouse,
1555 Santa Rita Road, Pleasanton
Thursday, Oct. 24, 2002, 7 p.m.
Thursday, Feb. 20, 2003, 7 p.m.

For directions, please go to http://www.llnl.gov/llnl/06news/community/lectures.html or call (925) 422-4599.

For more information about the lecture series or about the Laboratory in general, contact:

Phone: LLNL Public Affairs: (925) 422-4599
Fax: LLNL Public Affairs: (925) 423-2943
Email: Charity Smith
smith259@llnl.gov

UC: http://www.ucop.edu/welcome.html
U.S. Department of Energy: http://www.doe.gov/
LLNL Public Affairs Visitors Center: http://www.llnl.gov/PAO

Outreach for public awareness and education is a key goal of both the U.S. Department of Energy and the University of California. Lawrence Livermore National Laboratory is operated by UC for DOE 's National Nuclear Security Administration.

NNSA

Community Lecture Series

spotlight on Science

Lawrence Livermore National Laboratory presents a unique evening lecture series bringing science to the community.

Lawrence Livermore National Laboratory Celebrates

50 years

of science excellence

Community Lecture Series

Lawrence Livermore National Laboratory presents a series of six lectures during the 2002-2003 school year to bring important, current science topics to the community. *(See inside schedule.)*

These lectures are wide ranging and exciting. We explore evolution and we blast off to outer space. We learn about earthquakes and we take a serious look at terrorism. We discover our technological past and we delve into our technological future.

Speakers will discuss their research, present leading-edge information and follow their presentations with a question-and-answer period.

See inside for schedule of speakers.

Dr. Tammy Jernigan, Lab employee and former astronaut, as shown (above) during her Space Shuttle mission to the International Space Station.

Each lecture is free and seating is available on a first-come basis.

Talks are suitable for anyone interested in science.

For maps and further information, see http://www.llnl.gov/llnl/06news/Community/lecture.html

Nuclear Testing: A History Told in Images

by Peter Kuran, VCE, Inc.
Monday, Sept. 16, 2002,
7 p.m.
Livermore High School
600 Maple St.,
Livermore

Millions of images were created to record important information about nuclear testing and to document its history. Now, these images are in danger of being lost because of the properties and processing of the original film images. See a pictorial history of Livermore's contribution as culled in Kuran's five documentaries on nuclear testing, including the award-winning "Trinity and Beyond."

Peter Kuran is President/CEO of his own company VCE, Inc.

In Pursuit of Justice: The War on Terror

by Terry Turchie, LLNL
Thursday, Oct. 24, 2002,
7 p.m.
Amador High School
Playhouse
1555 Santa Rita Rd.,
Pleasanton

As a 29-year veteran with the FBI and currently LLNL's SAFE Program Manager, Terry Turchie provides a timely update on the war against terror. He will highlight the manhunt for domestic and international terrorists, go inside the mind of terrorists, and discuss aspects of several major terrorist investigations, including the terrorist attack on the World Trade Center towers and the Pentagon on September 11, 2001.

Terry Turchie is the SAFE Program Manager, LLNL's Counterintelligence/ Counterterrorism Program.

Computer Modeling: Predicting Effects of Major Earthquakes

by Dr. David McCallen, LLNL
Thursday, Nov. 14, 2002,
7 p.m.
Livermore High School
600 Maple St., Livermore

Preparing for earthquakes essentially requires us to predict what will occur in the future. Emerging massively parallel computers now enable us to simulate future earthquakes with a detail and fidelity unrealizable only a few short years ago. This lecture will discuss these emerging predictive capabilities and how they will lead to safer, earthquake resistant structures.

Dr. David McCallen is the Director of the Engineering Technology Center for Complex Distributed Systems at LLNL.

The Current Status of Evolutionary Biology

by David M. Seaborg, Evolutionary Biologist
Thursday, Jan. 23, 2003,
7 p.m.
Livermore High School
600 Maple St., Livermore

Evolutionary theory remains a point of contention as we continuously unveil the mysteries of our past. David M. Seaborg, son of Nobel-prize winning scientist Glenn Seaborg, discusses this topic's current controversies, including the causes of rapid evolutionary change and evolutionary breakthroughs. These insights lead to thoughts on the future of evolution, as well as the effects of current environmental problems on the course of evolution and species diversity.

David M. Seaborg is an Evolutionary Biologist and wildlife photographer.

Protecting What's Ours: The Loss of U.S. Technology to Competitors

by Wayne Morris, Wackenhut Services, Inc.
Thursday, Feb. 20, 2003,
7 p.m.
Amador High School Playhouse
1555 Santa Rita Rd., Pleasanton

The United States is a leader in the development of new technologies that have commercial and military applications. However, these highly protected research and development projects can be compromised through open source and other unclassified means. Learn how we can prevent the collection of information on U.S. technologies as well as measures you can take to ensure your own personal security.

Wayne Morris is an OPSEC (Operations Security) certified professional with Wackenhut Services, Inc.

Blast Off to the International Space Station

by Dr. Tammy Jernigan, LLNL
Thursday, March 27, 2003,
7 p.m.
Livermore High School
600 Maple St., Livermore

Every 90 minutes the International Space Station (ISS) orbits high above planet Earth while the astronauts and cosmonauts on-board continue to construct the largest, most sophisticated and powerful spacecraft ever built. Dr. Jernigan will describe her Space Shuttle mission to the ISS and discuss the revolutionary life and microgravity scientific research currently being conducted in orbit.

Dr. Tammy Jernigan is a former NASA astronaut and veteran of five space shuttle missions. She currently serves as Assistant Associate Director for Special Projects in the Physics and Advanced Technologies Directorate at LLNL.

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Lawrence Livermore National Laboratory Community Lecture Series