



ASSOCIATION OF ENGINEERING GEOLOGISTS

MEMBER APPRECIATION NIGHT!
MEETING ANNOUNCEMENT &
SPEAKER ABSTRACT



SACRAMENTO

Section Meeting Date: May 31, 2005, 6:00 - 9:00 PM (**Tuesday**)

Meeting Location: **The Delta King Restaurant and Hotel**
1000 Front Street, Old Sacramento

Meeting Time:	6:00 - 6:45	Sign-In & Social Hour
	6:45 - 7:45	Dinner & Announcements
	7:45 - 8:30	Talk & Slide Show
	8:30 - 8:45	Questions & Answers



Exploring our Home Planet

SPEAKER: Dr. Diane Evans, Ph.D.,
Director for Earth Science and Technology
Jet Propulsion Laboratory

Abstract

Scientists are using many of the same technologies developed to explore other planets in our solar system to study Earth. These so called "remote sensing" tools are sensitive beyond the visible wavelengths where human eyes are the most sensitive and allow us to see our Home Planet in a completely new light. NASA's Jet Propulsion Laboratory is currently flying a variety of Earth orbiting satellites aimed at taking the pulse of our planet. Measurements are made of everything from changes in sea level to changes in stresses in the Earth's crust related to earthquakes and volcanic eruptions. These measurements are, in turn being used to better characterize, understand and predict future changes in the Earth system.

Dr. Diane L. Evans

Director for Earth Science and Technology
Jet Propulsion Laboratory

Dr. Diane L. Evans is the Director for Earth Science and Technology at the Jet Propulsion Laboratory. Dr. Evans received the A.B. degree in Geology from Occidental College, Los Angeles, CA, in 1976 and the M.S. and Ph.D degrees in 1978 and 1981, respectively in Geological Sciences from the University of Washington, Seattle. Her graduate work included glaciological research and studies of Mars surface geology. She joined JPL in 1981 to develop remote sensing techniques for Earth surface geology using combined data sets from visible, infrared, and radar satellites.

Diane has been a principal investigator on a number of research activities sponsored by the National Aeronautics and Space Administration and has been a member of many international science teams. Her field areas have included Northwest China, Australia, Spain, Hawaii, Wyoming, and the Mojave Desert of California. She was detailed to NASA Headquarters as the Geology Program Manager in 1985. Upon returning to JPL, she became the Supervisor of the Radar Sciences Group until 1989, Project Scientist for the Spaceborne Imaging Radar Project from 1989-1998, and Chief Scientist for the JPL Earth Science Program from 1996-2001. She was appointed Director for Earth Science and Technology in May, 2001.

As Director for Earth Science and Technology, Diane is responsible for the development, implementation, and operations of 19 missions and flight experiments. These span the research areas of oceanography, atmospheric composition, and geophysics, and incorporate a broad spectrum of advanced technologies. She is also responsible for JPL's non-NASA research and technology activities which focus on mutually beneficial collaborations with the four national space sectors.

Diane has chaired a number of planning committees for NASA's Earth Science Enterprise and a variety of academic institutions. She has been the recipient of several NASA awards including the NASA Outstanding Leadership Medal. Evans has been involved with the training of two Shuttle astronaut crews and has participated in payload operations at NASA's Johnson Space Center during four Shuttle flights.

She is the author of over 100 research publications and conference presentations in the fields of geologic and radar remote sensing, and has given over a dozen short courses on these topics internationally. She is a member of numerous professional societies and the Chinese Academy of Science.

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A Message from Your Board

By Eric Chase

It has been a busy spring in the Sacramento Section of AEG. As most of you may know, just two months ago we were actively monitoring the Governor's proposal to abolish the Board of Registration for Geologists and Geophysicists, as well as the State Mining and Geology Board. After strong indications from many quarters, including the California Council of Geoscience Organizations, of which all three AEG sections in California are members, as well as the views expressed in hearings before the Little Hoover Commission, the Governor retracted his proposal. The issue, however, is predicted by political pundits to rise again, in altered form, as the Governor continues his efforts to reduce the size and increase the efficiency of government in California. Stay tuned.

Coming up on May 24th is our workshop on Geographic Information Systems (GIS) for Practicing Geologists at UC Davis. We have lined up an absolutely stellar panel of experts, who will present their work using GIS, along with hands-on lab sessions and free demo GIS software for use by attendees. See the announcement flyer we sent out earlier this month for details. The cost is under \$200.00.

We have a big monthly meeting coming up on Tuesday, May 31st. This will be our annual Members Appreciation Night meeting, with a gourmet dinner free to all AEG members. This is a chance to bring your spouse or significant other, a good friend, or someone you would like to introduce to AEG. Our celebrity speaker will be Dr. Diane Evans, Director for Earth Science and Technology at Jet Propulsion Laboratory. Her topic will be Exploring Our Home Planet. She will bring with her the best of the best in spaceborn imaging of earth from her 24 years at the lab. This promises to be our best meeting of the year, and we are hosting it at a special venue, the Delta King Restaurant and Hotel along the river in Old Sacramento. This restaurant is rated by critics among the top five in Sacramento year after year. I can personally vouch for this. It will be a gala night, so don't miss it!

I continue to be energized by everyone I work with in AEG. We have one of the most highly regarded sections in the country, and I, along with the other members of your Executive Board, look forward to serving the Sacramento Section in the coming months.

Cheers,

Eric Chase
Sponsorship Committee Chair
National Student Membership Chair

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(OR E-MAIL BY CLICKING LINK BELOW)**

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Or you can sign up online at:
www.aegsacto.org

Subject: May 2005 AEG Sac Section Meeting

Date: May 31, 2005 (Tuesday Evening)

Place: **The Delta King Hotel**
1000 Front Street, Old Sacramento

Time: 6:00 PM - Social
6:45 PM - Dinner
7:45 PM - Announcements
8:00 PM - Speaker
9:00 PM - Close Meeting



For this special event we will be meeting in the Paddlewheel Room of the Delta King. The buffet style dinner will include green, fruit and pasta salads, tri-tip, cheese tortellini, bread, vegetable dishes and mashed potatoes. And for desert...cheesecake!

Alcoholic beverages for those over 21 will be available on a cash basis at the meeting from the Delta King staff bartender.

In appreciation for our loyal AEG members, there is no charge for our current regular and student members. Non-member cost is \$35 (with RSVP). Student non-member cost is \$20.

Valet parking will be available at the Delta King for a nominal fee of \$6.00.

Directions:

From I-5, take the "J" street (Downtown Exit). Go straight one block to 5th Street, turn left, then one block to "I" Street, Turn left. Stay in left hand lane. Follow the signs to Old Sacramento, turn left on 2nd Street, to "K" Street, and turn right. The Delta King is one block ahead at Front and "K" Street.

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<<http://www.aegsacto.org>>
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