



**SATURDAY, FEBRUARY 16, 2008 • 8:00 AM to 3:30 PM**

**PROGRAM  
INFORMATION**

**FRANCISCO BRAVO MEDICAL MAGNET  
1200 N. Cornwell • Los Angeles**

**SATURDAY SCHEDULE**

\*See Workshop Highlights on the inside of this brochure.

**8:00 - 8:30** Registration and Continental Breakfast including: Fresh Bagels and Cream Cheese, Assorted Doughnuts, Orange Juice, Coffee and Tea

**8:30 - 11:00** Workshops

**11:00 - 11:15** GLATSA Welcome

**11:15 - 12:15** **Dr. Richard Turco**  
Guest Keynote Speaker

**12:15 - 1:15** Luncheon

**1:15 - 2:15** Workshops

**2:30 - 3:30** **John Zavalney**  
Guest Keynote Speaker

*Visit our Vendor Displays throughout the day.*

**THANK YOU FOR YOUR SUPPORT!**

**DIRECTIONS**

See Thomas Bros. Map or Internet Maps

**• From the North**

5 Golden State Fwy. South to Mission, left under Fwy 1 Block to Marengo. Right on Marengo past County Medical Center to Cornwell. Left on Cornwell 1 Block to Bravo Medical Magnet.

**• From the East**

10 San Bernadino Fwy. West to Soto St. exit. Cross Soto at end of off ramp, continuing straight on Charlotte for 2 Blocks to Cornwell. Right on Cornwell 1 Block to Bravo Medical Magnet.

**• From the South**

110 Harbor Fwy North to 10 San Bernadino Fwy. Keep left and go North on 5 Golden State Fwy. toward 10 San Bernadino Fwy. Exit at Cesar Chavez. Turn right towards Soto, then Left on Soto, over 10 Fwy to Charlotte (Corner of Shell Station). Left on Charlotte 2 Blocks to Cornwell. Right 1 Block to Bravo Medical Magnet.

**• From the West**

10 Santa Monica Fwy. East. Keep left and go North on 5 Golden State Fwy. toward 10 San Bernadino Fwy. Exit at Cesar Chavez. Turn right towards Soto, then Left on Soto, over 10 Fwy to Charlotte (Corner of Shell Station). Left on Charlotte 2 Blocks to Cornwell. Right 1 Block to Bravo Medical Magnet.

## 2008 GLATSA CONFERENCE

### Engineering the Global Environment to Avoid Greenhouse Warming: Prospects and Pitfalls

DR. RICHARD P. TURCO

Saturday 11:15 am-12:15 pm

Dr. Richard Turco is Professor and past Chair of the Department of Atmospheric and Oceanic Sciences at UCLA, and a member of the Institute of Geophysics and Planetary Physics (IGPP). He is also Founding Director of UCLA's Institute of the Environment (IoE). Turco received his Ph.D. in Electrical Engineering and Physics from the University of Illinois in 1971, after earning his B.S. in Electrical Engineering from Rutgers University in 1965.

Turco's work includes research on the stratospheric ozone layer and the ozone "hole," the causes of global climate change, regional air pollution, and the environmental effects of aerosols. Turco developed the first comprehensive model describing the "microphysics" and climatic impacts of airborne particles generated by volcanic eruptions as well as aircraft and rocket activity. Turco and his co-workers also first showed that Polar Stratospheric Clouds (PSCs) – associated with severe ozone depletion over Antarctica (the ozone hole) – are composed of nitric acid ices. In 1983, working with a team of colleagues, Turco developed the theory of "nuclear winter" – a climatic state characterized by sudden cooling of land surfaces beneath widespread clouds of smoke and dust produced by nuclear explosions. Other research has addressed the causes of mass extinctions of species associated with large meteor impacts, and the environmental consequences of commercial aircraft operations.

Taking leadership in multidisciplinary research, Turco proposed and led the IoE's *Los Angeles Watershed* project, which quantitatively integrated the water, air and land processes that affect Santa Monica Bay water quality.

Among other posts, Turco has been president of the Atmospheric Sciences Section of the American Geophysical Union, and served as an Associate Editor of the *Journal of Geophysical Research*. His honors include a MacArthur Fellowship (1986), and the Leo Szilard Prize for Physics in the Public Interest, awarded by the American Physical Society (1985). Turco's publications include more than 240 scientific papers and reports, including contributions to twenty-three books, and 80 other technical notes and articles. With Carl Sagan, he authored "A Path Where No Man Thought: Nuclear Winter and the End of the Arms Race" (Random House, 1990), and he has written a comprehensive textbook on current environmental issues, "Earth Under Siege: From Air Pollution to Global Change" (Oxford University Press, 2002).

Join Richard Turco in the Lecture Hall Level 5 at 11:15 AM where he will present "Engineering the Global Environment to Avoid Greenhouse Warming: Prospects and Pitfalls."



### Global Warming: An Inconvenient Truth

JOHN A. ZAVALNEY

SATURDAY 2:30-3:30 pm



John graduated with a B.A. in Secondary Education: biology & general science major. He began his teaching career at Foshay Middle School in South Central Los Angeles. His classroom, filled with illegally smuggled exotic animals from around the world donated by Fish & Wildlife, became a focal point helping to transform Foshay from one of the worst schools in LAUSD into a K-12 learning center and a national model for school reform. The presence of animals leads to learning opportunities related to adaptations, habitat destruction and international importation regulations. After meeting Dr. Jane Goodall, John spent 3 months in Tanzania working for and promoting her environmental education program Roots & Shoots. He negotiated a bi-lateral agreement with the Minister of Education that was signed by the Tanzanian and US government, making Tanzania a part of GLOBE Program. The GLOBE Program has students around the world collecting local environmental data and sending it to leading research scientists. In January of 2007, Al Gore and his staff trained John to provide presentations about global warming based upon the movie "An Inconvenient Truth". John has won several prestigious educational awards and honors including; Disney's American Teacher Award, the Presidential Award for Excellence in Science Education, the Presidents Council on Environmental Quality Teacher Professional Development Award and the Los Angeles County Teacher of the Year.

Join us at 2:30 PM in the Lecture Hall Level 5 where John will share his presentation on global warming based on the information he received from Al Gore and his staff. His slide presentation will engage you in issues that are current and of concern.

## 2007 GLATSA CONFERENCE HIGHLIGHTS

The Greater Los Angeles Teachers' Association (GLATSA) is a non-profit organization comprised of volunteer classroom teachers and members who support science education. It was founded on the idea that science should be accessible to all students through motivated and inspired teachers. The annual science conference is a vehicle for teachers to make connections with other colleagues and resources to improve science instructional practices.



## February 16, 2008 CONFERENCE & GLATSA MEMBERSHIP APPLICATION

- Please tear off and return completed registration form with your check to GLATSA.
- Applicants should check with their school or district for coverage.
- Pre-Registration must be received NO LATER than Feb. 8, 2008.
- No confirmation will be sent.
- No refund for cancellation after Feb. 8, 2008.
- Send completed form and check by U.S. mail to: **GLATSA - c/o Gail Morales, 14991 Yerba Buena, Malibu, CA 90265**
- If you have any questions, call the **GLATSA HOTLINE (818) 360-0983**, email GLATSA at [glatasa@aol.com](mailto:glatasa@aol.com)

Last Name ..... First Name .....

Home Address ..... Phone ( ) .....

City ..... State ..... Zip .....

Name of School ..... District .....

School Address ..... School Phone ( ) .....

City ..... State ..... Zip .....

Signature ..... Employee# (LAUSD only) .....

E-mail .....

**PLEASE CHECK TYPE OF AFFILIATION(S)**

- Elementary
- Middle School/Junior HS
- Senior HS
- College/University
- Science Center
- Private/Parochial
- Museum
- Nature Center
- District/County Administration
- Commercial/Vendor
- Other \_\_\_\_\_

**How were you notified about this conference?**

- Mailing
- E-mail
- Colleagues
- School
- Workshop/class
- Other \_\_\_\_\_

**PRE-REGISTRATION FORM (Note: On-site registration will be an additional \$10.00)**

ALL attendees must pay the \$10.00 Processing Fee. Conference Fee is \$30.00

Fill in amounts below:

PROCESSING FEE ..... \$10.00     \$ 10.00

Full-time graduate students with a verification letter from their college attend the conference free and pay only the processing fee. Please enclose the letter with this form.

CONFERENCE ..... \$30.00     \$ .....

**OPTIONAL**

CSTA MEMBERSHIP ..... \$39.00     \$ .....

**Registration for the conference will automatically give you a year's membership or renewal in GLATSA.**

**TOTAL \$ .....**

**Please make check payable to GLATSA**

**Return by U.S. Mail only to:  
GLATSA - Gail Morales  
14991 Yerba Buena  
Malibu, CA 90265**

I am interested in helping with the next GLATSA conference.

