

# Future Tech Now!

Hands-on demonstrations of  
new technology and research for a healthier planet



## Society for Advancement of Chicanos & Native Americans in Science Annual Meetings

Anaheim Convention Center

Friday, October 1<sup>st</sup> 1:30 - 6:00 PM & Saturday, October 2<sup>nd</sup> 9:00 AM - 12:00 PM - **"FREE" community day!!!**

**Future Tech Now!** is a collage of hands-on science fun that will allow participants to immerse themselves in the revolutionary technology and research of the National Science Foundation (NSF) Science & Technology Centers (STCs). Get a hands-on look at tomorrow's technology today! Our interactive exhibits include:

**Bringing Down the Dam!** The Glines Canyon Dam on the Elwha River in the Olympic National Park is scheduled for removal in 2011. Consequences of the removal of this 210 foot tall dam affect watershed residents, businesses, recreational use, salmon, and the entire ecosystem in this beautiful Pacific Northwest area. Work with a physical model of various scenarios of dam removal and how redistribution of sediments trapped behind them affect the area. Presented by the National Center for Earth Surface Dynamics: [www.nced.umn.edu/](http://www.nced.umn.edu/)

**Light Makes Green!** Marvel at how research in science and engineering join forces to create new "green products" aimed at protecting the sustainability of our Earth. Journey into the realm of next generation solar cells and organic light emitting diodes. Presented by the Center for Materials & Devices for Information Technology Research: [stc-mditr.org/](http://stc-mditr.org/)

**Ocean Acidification: the other CO2 problem!** Learn about issues around ocean acidification by engaging in a simulation with researchers from the Center Microbial Oceanography Research and Education headquartered in Honolulu, Hawaii. Presented by the Center for Microbial Oceanography: Research & Education: [cmore.soest.hawaii.edu/](http://cmore.soest.hawaii.edu/)

**Protecting Native Plants!** Join our campaign to protect native culturally important plants and manage invasive weeds. Collect field data in your community, contribute to our national database and engage our online network of citizen scientists. Learn how we are harnessing the revolutionary technology of smart phone applications to understand and protect our precious eco-systems. Presented by the Center for Embedded Networked Sensing: [www.cens.ucla.edu](http://www.cens.ucla.edu)

**Reach for the Sky!** Join CMMAP and The Little Shop of Physics for a hands-on exploration of weather and climate. Students will participate in hands-on activities demonstrating the processes behind clouds, tornadoes and other weather phenomena and climate feedbacks. Our "Put a Spin on It: Forces in Action" demo will engage participants in the forces that drive our atmosphere. Presented by the Center for Multiscale Modeling of Atmospheric Processes: [www.cmmmap.org/](http://www.cmmmap.org/)

**See What You've Been Missing!** Come and explore the exciting ways in which light interacts with YOU as you see the amount of oxygen in your blood change with every heartbeat, see rocks, money and oil "glow", draw on yourself with hot and cold packs, see your veins and more -- all with biophotonics technology. Learn how these advances help us detect and cure disease, enable super high resolution imaging, and help us understand how viruses spread at the cellular level. Presented by the Center for Biophotonics Science & Technology: [cbst.ucdavis.edu/](http://cbst.ucdavis.edu/)

## SACNAS "FREE" Community Day

Saturday, October 2, 2010 - 9:00 AM - 12:00 PM  
[www.sacnas.org](http://www.sacnas.org)

Local precollege students, families, community college students, and the general public are invited to visit the hall, learn about science education opportunities from the exhibitors, and experience hands-on science activities.