

Sacramento

Regional Science & Engineering Fair

Foundation

455 Capitol Mall, Suite 500 • Sacramento, California 95814 • 916-441-3150 • 916-442-4182 Fax • www.srsefair.org

FOR IMMEDIATE RELEASE:

March 31, 2010

CONTACT:

Ryan Endean
Lisa Marie Burcar
916-441-3150

LOCAL HIGH SCHOOL STUDENTS WIN TOP HONORS AT REGIONAL SCIENCE AND ENGINEERING FAIR

SACRAMENTO – Davis High School senior **Madeline Sides** won first place at the Sacramento Regional Science and Engineering Fair on Saturday, March 27 at Rosemont High School in Sacramento. Sides' winning project "A Multipronged Investigation of the Amphibian Pathogen *Batrachochytrium Dendrobatidis*" investigates this emerging infectious disease so that the spread can be slowed and species of threatened amphibians can be saved.

Angela Yeung, a senior at Davis High School was named the second place winner for her project titled "Distributed Learning for Dynamic Spectrum Sharing in Cognitive Radio Networks" which investigates interactions between distributed secondary users in a spatially heterogeneous environment to develop high-performance networking policies with low complexity.

Shyamal Buch, a freshman at Vista Del Lago High School was named the third place winner for his project titled "Nanowire Solar Cells" in which he built new, low cost, environmentally friendly solar cells and designed an instrument to measure them.

The top team award went to Folsom High School juniors **Rohit Talreja** and **Mark Rupasinghe** for their project titled "Using Algae as a Bio-Fuel" which was to test whether a combustible bio-fuel could be created from algae.

The second place team award went to **Anshum Sood**, **Naman Gupta** and **Anuhya Ghorakavi**, seniors at Folsom High School. Their project titled "Remote Ischemic Preconditioning" evaluated the effect of RIPC on bleeding time and platelet aggregation in human subjects over a seven day time course as alterations in coagulation state may influence stroke risk/outcome.

These top winners now advance to the Intel International Science and Engineering Fair in San Jose California the week of May 8-14, 2010.

Over 200 students competed in junior (6th – 8th grade) and senior (9th – 12th grade) divisions for awards and prizes. Fair participants are drawn from schools in Sacramento, El Dorado, Placer, San Joaquin, Yolo, Yuba, Sutter, Solano, and Amador counties.

The Fair's organizing sponsors include the Intel Corporation, Professional Engineers in California Government (PECG), California Association of Professional Scientists (CAPS), Liberty Mutual, Aerojet, SMUD and many others.

The Sacramento Regional Science & Engineering Fair (SRSEF) encourages and rewards scientific, technological and engineering excellence by high school and middle school students in the Sacramento region.