



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2005 Special Awards

John D. Isaacs Scholarship – \$12,000 award, allocated over a four-year period, recognizes excellence in marine research by high school juniors and seniors while encouraging students to continue their marine science education at California's colleges and universities.

Award: Sarah-Marie Amiri, S1303, Santa Barbara County

California 4-H Service Through Science Award – \$1000 award given to the project that best uses science to address a pressing community need and that embraces the four Hs: Head, Heart, Hands, & Health. Sponsored by Wells Fargo and Five Star Legal.

Award: The team of Brenda Miranda and Gennessis B. Patron, J0923, Los Angeles County

Cardinal and Gold Award of Excellence – \$1000 awarded to an outstanding woman scientist from a deserving neighborhood. Presented by an appreciative alumnus of the University of Southern California and by Sempra Energy.

Award: Lisa Yan, S1421, Los Angeles County

CEPCEB Center for Plant Cell Biology Award – \$1000 award acknowledges scientific achievement in the fields of cell and molecular biology, genomics, bioinformatics, or technology development that will impact our understanding of plant cell biology. Presented by the Center for Plant Cell Biology at the University of California at Riverside.

Award: Danielle B. Andrews, S0401, San Diego County

Honorable Mention: Aleksandr Gorin, S0404, San Diego County

Honorable Mention: Jeffrey L. Jensen, S0408, San Diego County

Honorable Mention: Oliver C. Rickard, S1215, Humboldt County

MLIM Award for Achievement in Mathematics and Software Studies – \$1000 award given in the Senior Division for a achievement in mathematics and software studies.

Award: Olga V. Mandelshtam, S1209, Orange County

MUSES Harriet Luckman Memorial Award – \$1,000 award given to a young woman of achievement in senior high school science or math, in honor of a remarkable woman of achievement who was one of the founding members and benefactors of THE MUSES, the California Science Center, and California Science Center Foundation.

Award: Rosalind N. Cox, S0803, Butte County

MUSES Special Award – \$1,000 award given to a young woman of achievement in junior high school science or math. Sponsored by THE MUSES, dedicating more than 40 years of volunteer service to promoting science and math education through the California Science Center Foundation.

Award: Merridee Parker, J1020, Shasta County

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Silicon Boule Award – Presented annually since 1995, this award acknowledges distinctive performance in the physical sciences. The award is an end piece of an ultrapure monocrystalline silicon boule. Presented by Dale L. Hall, Senior Engineer with Northrop Grumman Space Technology.

Senior Engineer Scientist: Evan M. Gates, S0704, Los Angeles County

Junior Engineer Physicist: Nathan R. Pederson, J1529, Ventura County

SPIE Optics & Photonics Award – SPIE's award is dedicated to advancing student scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. Award is \$1000, certificate, society membership, and SPIE t-shirt. One award in the Senior Division. Sponsored by the International Society for Optical Engineering.

Award: The team of Guanxiong Mao, Maxwell D. Radin, and Daniel Ram, S0711, Santa Clara County



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American Institute of Professional Geologists Geology Award – One \$250 award in each age division to an outstanding project in the field of geosciences. Presented by the California Council of Geoscience Organizations.

Senior Division: Swati Yanamadala, S0616, Los Angeles County

Junior Division: Anna M. Nelson, J0626, Santa Barbara County

California Association of Professional Scientists, Science Achievement Award – Presented to the project of a student in grades 7-11 best illustrating good scientific methodology in a discipline represented by members of CAPS. Award is \$100 and an plaque.

Award: Megan S. Yoo, S0817, Orange County

California Shore & Beach Preservation Association Award – Two awards (\$500 in the Senior Division, \$250 in the Junior Division) to projects demonstrating an understanding or unique curiosity for coastal processes either physical or biological. Award also includes student membership in ASBPA/CSBPA.

Senior Division: Sarah-Marie Amiri, S1303, Santa Barbara County

Junior Division: Joshua J. Compton, J0608, Humboldt County

Earth Systems Science Award – Award presented to the a student in grades 9-11 best demonstrating outstanding achievement in the study of Earth Systems Science.

Award: The team of Shelley P. Patel, John M. Scott, and Shivani S. Softa, S0811, Kern County

Health Physics Society, Southern California Chapter – Awards to the projects which best demonstrate and/or observe the use or effects of ionizing (*e.g.* x-rays) or non-ionizing (*e.g.* UV) radiation. First place project and the student's teacher each receive \$100; \$25 awards and ribbons to honorable mentions.

First Place, Senior Division: Janice S. Leung, S1507, Los Angeles County

First Place, Junior Division: Kathryn D. Fukumoto, J0615, Los Angeles County

Honorable Mention: Sarit A. Klugman, S0414, Riverside County

Honorable Mention: Anna M. Loch, S1508, San Diego County

Honorable Mention: Cameron D. Alsbrook, J1501, Los Angeles County

Honorable Mention: Ali R. Haghghi, J1410, Kern County

SINAM Outstanding Nanoscience Award – Presented for outstanding achievement in nano-science and nano-technology. Three awards in the Senior Division, 1st, 2nd, and 3rd places, in the amounts of \$500, \$300, and \$200. Presented by the Center for Scalable and Integrated Manufacturing (SINAM).

First Place: Swetha Kambhampati, S0508, Orange County

Second Place: Lusha W. Liang, S0512, Orange County

Third Place: Kelsey A. Jones, S0507, San Diego County

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Society of Petroleum Engineers, LA Basin Section, Superior Technical Achievement

Award – For outstanding technical achievement in projects relating to the development of oil and/or gas resources, mechanics, subsurface fluid flow, and production of those or other energy resources through wellbores, or in projects of a technical nature requiring a high degree of independent thinking, which could be applied to the advancement of the field of petroleum engineering research and/or development. Awards are \$250 with a framed certificate of achievement.

Award: Kristin E. Barker, S0102, Santa Clara County

Award: Peter N. Fettis, J0107, Monterey County

Award: Evan S. Stanford, J0534, Santa Barbara County

Award: Sunil C. Bodapati, J1503, Santa Clara County

SPIE Optics & Photonics Award – SPIE's award is dedicated to advancing student scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. Award is \$250, certificate, society membership, and SPIE t-shirt. One award in each division.

Sponsored by the International Society for Optical Engineering.

Senior Division: Asmita Kumar, S0707, Los Angeles County

Junior Division: Alden D. Deran, J0710, Santa Cruz County