



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2013 Special Awards

American Institute of Aeronautics and Astronautics (AIAA) Award– For the best aerospace related science fair project. One award in the Senior Division. Award is \$500, a certificate, and a one year student membership in AIAA. Presented by the Los Angeles/ Las Vegas Section of AIAA.

Award: S0329, David A. Zarrin, Santa Clara County

CAPCA Agricultural Award – For the projects that best explore the industry that makes California the state that feeds the world, the \$31 billion agriculture industry. One award in each division. Award is \$500 in US Savings Bonds. Presented by the California Association of Pest Control Advisors.

Senior Division: S1922, Ivonnie A. Shih, Alameda County

Junior Division: J1917, Alexander M. Poirier, San Diego County

Coastal Science Award – For excellence in coastal science and/or engineering, addressing problems or providing new solutions or technology to coastal and ocean issues. Limited to projects in the Senior Division. Award is \$500 and membership in CSBPA, California Chapter. Presented by the California Shore & Beach Preservation Association.

Award: S0806, Christopher A. Powers, Santa Clara County

LA BioMed Award for Excellence in Molecular Biology – For achievement in the field of Biochemistry/ Molecular Biology. Award is \$1,000. Presented by the Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center (LA BioMed).

Award: S0508, Andrew C. Jin, Santa Clara County

Math and Science Teachers Award for Excellence in Mathematics and Computer Science Studies– For achievement in mathematics and software studies. This is a tribute to all mathematics and science teaching professionals. Limited to projects in the Senior Division. Award is \$500. Presented anonymously.

Award: S1401, Colin C. Aitken, Santa Clara County

Thomas G. Moore Award for Excellence in Electronics and Electromagnetics Studies – For achievement in electronics and electromagnetic studies. This award is given in honor of Mr. Moore who was a high school administrator and highly regarded and respected by the students with whom he worked. He recently passed away. He is being honored for his work with students. Limited to projects in the Junior Division. Award is \$500. Presented anonymously.

Award: J0903, Diane Bui, Los Angeles County

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Plant Cell Biology Award – For scientific achievement in the fields of cell and molecular biology, genomics, bioinformatics, or technology development that will impact our understanding of plant cell biology. Limited to projects in the Senior Division. Award is \$500. Presented by the Center for Plant Cell Biology of the University of California, Riverside.

Award: S0518, Natalie Ng, Santa Clara County

Raytheon Junior Achievement Award – For those projects which demonstrate the greatest potential with ability of achieving technological breakthroughs in mathematics, physics, and engineering. Limited to projects in the Junior Division. Award is \$500. Presented by the Raytheon Asian Pacific Association (RAPA) – Raytheon Space and Airborne Systems Company.

Award: J0301, Eitan S. Acks, San Diego County

Award: J0303, Ryan T. Beck, San Diego County

Award: J0916, Saskia I. Rohde, San Mateo County

Award: J0917, Anish Seshadri, Santa Clara County

Award: J1305, Catherine M. Colella, Placer County

Award: J1312, Jett D. Liu, San Diego County

Award: J1402, Benjamin Y. Chen, Los Angeles County

Award: J1406, Ryan T. Lehmkuhl, San Diego County

Award: J1413, the team of Anurag Singh and Kaushik Tandon, Santa Clara County

Award: J1497, Sarah H. Kazmie, Ventura County

Award: J1804, the team of Shashank H. Dholakia and Shishir H. Dholakia, Santa Clara County

Award: J1817, Julienne Sauer, Contra Costa County

SCAQMD Air Quality or Climate Change Award – For the best project concerning air quality and/or climate change. One award in each division. Award is \$1500. Presented by the South Coast Air Quality Management District.

Senior Division: S1106, the team of Stacey S. Dojiri and Kelly Y. Woo, Los Angeles County

Junior Division: J1198, Edwin L.L. Uglum, San Bernardino County

Silicon Boule Award – For distinctive performance in the physical sciences. This award has been presented annually since 1995 and was originally an end piece of an ultrapure monocrystalline silicon boule. Limited to projects in the Junior Division. Award is a TRW custom designed silicon die for the space program which became an enabling technology for the CAT scan. Presented by Dale L. Hall, Senior Engineer Scientist, retired, TRW Space & Electronics.

Award: J1497, Sarah H. Kazmie, Ventura County

Honorable Mention: J1818, the team of Sam A. Scherz and Nathan S. Stull, Santa Barbara County

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SPIE Optics & Photonics Award – For the project best demonstrating scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. One award in each division. Award is \$1000, one year membership in SPIE, and a certificate. Presented by SPIE, the international society for optics and photonics.

Senior Division: S1811, Vinson Luo, Orange County

Junior Division: J1803, the team of Thierry L. de Crespigny, Austin M. Hartman, and Ed O. van Bruggen, San Mateo County

Sushila & Chandi Charan Kar Award – For an outstanding project in the health sciences, especially with humanitarian consequences. Award is \$500. Presented by the Sheila Kar Health Foundation.

Award: S1299, Anjali Lobana, Ventura County

Award: S1725, Eyobed T. Mesfun, Santa Clara County

UCLA Brain Research Institute Award – For outstanding science projects in all areas of neuroscience from molecules to mind. One award in each division. Award is \$500 and a certificate. Presented by the UCLA Brain Research Institute (BRI).

Senior Division: S0527, Emily S. Wang, Santa Clara County

Junior Division: J0719, Shaoni C. White, Santa Barbara County



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2013 Recognition Awards

American Institute of Aeronautics and Astronautics (AIAA) Award– For the best aerospace related science fair project. One award in the Senior Division. Award is \$250, a certificate, and a one year student membership in AIAA. Honorable Mentions receive a certificate and a one year student membership in AIAA. Presented by the Los Angeles/ Las Vegas Section of AIAA.

Award: S1412, Rishabh Jain, Santa Clara County

Honorable Mention: S0320, Dillon M. Patel, San Diego County

Honorable Mention: S0322, Tyler J. Regli, Humboldt County

Honorable Mention: S0398, Loren J. Newton, Riverside County

Bone Clones Mammalian Biology Award – For outstanding performance in biology. Limited to projects in the Junior Division. Award is an exact reproduction of a chimp skull. Presented by Bone Clones Osteological Reproductions Inc.

Award: J1211, Steven S. Higginbotham, Tulare County

CAPS Science Achievement Award – For the project best illustrating good scientific methodology in a discipline represented by members of CAPS, including physics, chemistry, biological and environmental science, toxics and energy resources. Award is \$100 and an plaque. Presented by the California Association of Professional Scientists.

Award: S1514, Andy S. Meyers, Orange County

CCGO Geoscience Award – For an outstanding project in the field of geosciences. Three awards in each division. Award is \$250. Presented by the American Institute of Professional Geologists, California Section, and the California Council of Geoscience Organizations.

Senior Division: S0808, Hannah J. Washburn, Fresno County

Junior Division: J0806, Amanda B. Mickelson, San Diego County

Clinical Chemistry Award – For interesting and original projects that impact the future of clinical chemistry. Three awards in each division. Senior Division award is \$250, Junior Division award is \$150. Presented by the American Association for Clinical Chemistry, Southern California Section.

Senior Division: S0504, the team of Alexander N. Deng and Justin D. Wang, San Diego County

Senior Division: S0697, Arpita Singhal, Santa Clara County

Senior Division: S1702, Easun P. Arunachalam, Los Angeles County

Junior Division: J0511, the team of Sophie J. Parsa and Ruby A. Rorty, Santa Cruz County

Junior Division: J0618, Michael D. Wu, Orange County

Junior Division: J1728, Jared Truong, San Diego County

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Coastal Science Award – For excellence in coastal science and/or engineering, addressing problems or providing new solutions or technology to coastal and ocean issues. Award is \$250 and membership in CSBPA, California Chapter. Presented by the California Shore & Beach Preservation Association.

Award: J2116, Zachary C. McGaugh, San Diego County

Hauta Wissmann Foundation Life Sciences Award – For an outstanding biology project. Limited to the Junior Division. Award is an exact osteologic reproduction of a coyote skull. Presented by the Hauta Wissmann Foundation.

Award: J2221, Daniel I. Vitenson, San Diego County

Plant Cell Biology Award – For scientific achievement in the fields of cell and molecular biology, genomics, bioinformatics, or technology development that will impact our understanding of plant cell biology. Award is \$100. Presented by the Center for Plant Cell Biology of the University of California, Riverside.

Award: S1504, Eric S. Chen, San Diego County

Society of Petroleum Engineers 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. Award is \$200 and a certificate. Presented by the Los Angeles Chapter of the Society of Petroleum Engineers.

Award: J1302, Maryam S. Amin, San Diego County

Award: J2101, William F. Abersek, Orange County

Award: S1422, Joshua G. Send, San Diego County

SPIE Optics & Photonics Award – For the project best demonstrating scientific research and engineering applications of optical, photonic, imaging, and optoelectronic technologies. One award in each division. Award is \$250, one year membership in SPIE, and a certificate. Presented by SPIE, the international society for optics and photonics.

Award: J0914, Nikita Lubyanoy, Orange County

Award: J1805, Abigail F. Hernandez, San Diego County

Honorable Mention: S0527, Emily S. Wang, Santa Clara County

UCLA Brain Research Institute Award – For outstanding science projects in all areas of neuroscience from molecules to mind. Two place awards in each division. First Place award is \$100, and Second Place award is \$50. Presented by the UCLA Brain Research Institute (BRI).

Senior Division, First Place: S1732, Nikash D. Shankar, Santa Clara County

Senior Division, Second Place: S0424, Jon P. Wheeldin, Sonoma County

Junior Division, First Place: J0716, Liam M. Scott-Curtis, Santa Cruz County

Junior Division, Second Place: J1225, Jennifer A. Yao, Orange County