CALIFORNIA SCIENCE & ENGINEERING FAIR
Major Fair Awards – 2019

Project of the Year Awards
$5,000 in the Senior Division, $2,500 in the Junior Division

Senior Division: S1004, Akhilesh V. Balasingam
Grade 10, Mitty (Archbishop) High School, San Jose, Santa Clara County
Advisor: Dr. Dipu Pramanik
Project: Brain-Inspired Circuitry for the Future of AI: Optimizing the Analog Response
of RRAMs Under Pulsing for Synaptic Use

Junior Division: J1413, Sanskriti Singh
Grade 7, Rolling Hills Middle School, Los Gatos, Santa Clara County
Advisor: Mr. Manish Singh
Project: Detection of Pneumonia on CXR Image Using Convolutional Neural Networks
with an Emphasis on Minimizing False Negatives

California Science & Engineering Fair Student of the Year
$1,000 to a student in grade 12 on the basis of his/her project and other activities

S1202, Chinmayi Balusu
Grade 12, Vista del Lago High School, Folsom, Sacramento County
Advisor: Ms. Sue Baker
Project: Can the Longevity Compound Rapamycin Rescue Brain Tissue in Age-Related
Diseases in Old Mice?

California Science & Engineering Fair Teachers of the Year
$2,000 to one teacher in each division who served as advisor for a CSEF project

Junior Division:	**Senior Division:**
Ruth Gramajo	Jeanette Bowles
Portola Middle School Highly Gifted Magnet	Eleanor Roosevelt High School, Eastvale STEM Academy
Tarzana, Los Angeles County	Eastvale, Riverside County

California Science & Engineering Fair ISEF Finalists
Ruchi P. Agashe, Grade 11, Canyon Crest Academy, San Diego, San Diego County
Akhilesh V. Balasingam, Grade 10, Mitty (Archbishop) High School, San Jose, Santa Clara
County
Anushree Chaudhuri, Grade 11, Westview High School, San Diego, San Diego County
Shloka V. Janapaty, Grade 11, Presentation High School, San Jose, Santa Clara County
Ashwin Sivakumar, Grade 9, Flintridge Preparatory School, La Canada Flintridge, Los
Angeles County
Emily L. Tianshi, Grade 10, Cambridge School (The), San Diego, San Diego County
Vivek Vijayakumar, Grade 10, San Marcos High School, San Marcos, San Diego County