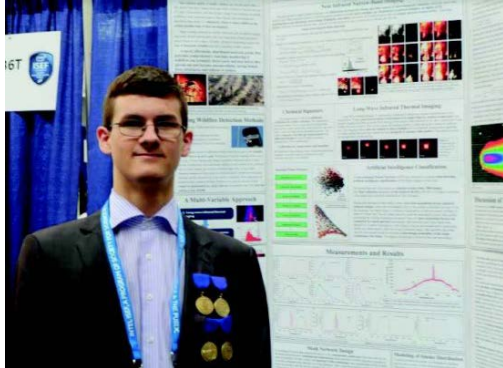


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Campo senior recognized at International Science and Engineering Fair

Submitted by Roxanna Jackman



Vasily Tremsin Photo provided

Campolindo High School senior Vasily Tremsin has been creating inventions to create solutions to real world problems for the past four years. His projects have won a variety of awards at the county and state levels and qualified to compete at the international level.

As a freshman, Tremsin created a low-cost instrument that measures the direction of incoming sound to significantly improve spatial awareness for the deaf. His sophomore year he invented a mobile-friendly device to monitor sunscreen effectiveness. He provided evidence to show how his device was capable of potentially preventing millions of skin cancer cases with unprecedented affordable early detection capabilities. During his junior year, Tremsin invented an affordable system for measuring soil moisture to significantly improve the efficiency of agricultural irrigation, possibly saving millions of gallons of water all around the globe.

This year, Tremsin's design for a "Multivariable Early-Warning System for Low-Cost Prevention of Wildfire Proliferation" was tremendously successful. At the International Science and Engineering Fair, this project was chosen to be among the top 22 projects out of 1,791 finalists that qualified from their own science fairs in 81 countries, regions and territories. He won the Best of Category Award for Earth and Environmental Sciences, first place grand award, plus four different special awards: ASU Rob and Melani Walton Sustainability Solutions Initiatives, U.S. Agency for International Development, China Association for Science and Technology, and the American Meteorological Society. Tremsin was awarded cash prizes totaling more than \$12,000 and earned \$1,000 grants for Campolindo and the Contra Costa County science fair. Additionally, NASA will name a new asteroid in his honor.

The staff at Campolindo are looking forward to watching the wonderful inventions and solutions that this talented young man creates as he continues on to study computer science and physics.

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