DELAWARE VALLEY SCIENCE FAIRS, INC.

Intel International Science and Engineering Fair 2018 Awards Ceremony
May 18, 2018
Pittsburgh, Pennsylvania

Society for Science and the Public, in partnership with the Intel Foundation, announced Awards of the Intel International Science and Engineering Fair (ISEF) 2018. Student winners are ninth through twelfth graders who earned the right to compete at the Intel ISEF 2018 by winning a top prize at a local, regional, state, or national fair. This year's Intel International Science and Engineering Fair featured approximately 1,800 young scientists selected from 422 affiliate fairs in more than 80 countries, regions and territories.

Award winners from the Delaware Valley Science Fairs

Biochemistry:

Rhea Malhotra, 15, 10th Grade, Moravian Academy, Bethlehem, PA
The Biochemical Interactions of Cardiac Ion-Blocking Agents and Optical Coherence Tomography 'in vivo' for Cardiovascular Diseases.
Best of Category: - $5,000
Grand Award: First Place - $3,000
Special Award: Trip to the European Union Contest in Ireland
Special Award: MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Biomedical Engineering:

Shehbeel Arif, 18, 12th Grade, Central High School, Philadelphia, PA
Prostate Cancer Diagnostic Device: The Application of Multiplex Lateral Flow Immunoassay for the Detection of Prostate Specific Antigen (PSA).
Grand Award: Third Place - $1,000

Prathysha Kothare, 15, 9th Grade, Parkland High School, Allentown, PA
Unfolding the Mysteries of vWF: Experimental vs. Computational Studies of vWF's A2 Domain.
Grand Award: Third Place - $1,000

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Energy: Physical:

Sathya Edamadaka, 16, 10th Grade, High Technology High School, Lincroft, NJ
RPAL: A Novel Low-Cost High-Efficiency Photovoltaic System Using Tunable Plasmonic Nanostructures.
Best of Category: - $5,000
Grand Award: First Place - $3,000
Special Award: United States Navy, Office of Naval Research - $10,000
Special Award: Qatar Foundation – First Award - $1,000
Special Award: MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid
Special Award: IEEE Foundation – President's Scholarship Award - $10,000

Mathematics:

Karthik Yegnesh, 18, 12th Grade, Methacton High School, Eagleville, PA
Braid Groups on Triangulated Surfaces and Singular Homology
Grand Award: Second Place - $1,500

Plant Science:

Sophia Swartz, 18, 12th Grade, Central Bucks High School – South, Warrington, PA
Molecular-Based Genotypic Selection for Anthocyanin in Lactuca sativa.
Grand Award: Fourth Place - $500

Since 1949, Delaware Valley Science Fairs, Inc. (DVSF) has stimulated interest in science, technology, engineering and mathematics (STEM) among middle and high school students in the tri-state region. Our vision is to bring parents, teachers and industry together to stimulate and nurture young people so that they can grow and develop into contributing members of the community. DVSF's philosophy is that students learn by doing. They learn how to think, how to identify problems that need to be solved, and to design solutions to those problems.

For more information, visit www.DVSF.org or call
Henry Disston, President and Executive Director, at: 215-895-5840.