DELAWARE VALLEY SCIENCE FAIRS, INC.

Intel International Science and Engineering Fair 2017 Awards Ceremony
May 19, 2017
Los Angeles, California

Society for Science and the Public, in partnership with the Intel Foundation, announced Awards of the Intel International Science and Engineering Fair (ISEF) 2017. Student winners are ninth through twelfth graders who earned the right to compete at the Intel ISEF 2017 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 75 countries, regions and territories.

Award winners from the Delaware Valley Science Fairs

Mathematics:

Karthik Yegnesh, 17, 11th Grade, Methacton High School, Eagleville, PA
The Homotopy Theory of Parametrized Objects
Best of Category: $5,000
Grand Award: First Place - $3,000
Intel Foundation Cultural and Scientific Visit to China Award
Special Award: - MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Biomedical Engineering:

Lori Zhang, 17, 11th Grade, High Technology High School, Lincroft, NJ
Refining a Novel Device to Decrease the Risk of Vesicovaginal and Rectovaginal Fistulae during Labor.
Special Award: U.S Agency for International Development – First Award - $3,000

Computational Biology and Bioinformatics:

Sagar Maheshwari, 18, 12th Grade, Unionville High School, Kennett Square, PA
SiteKey: A Novel Binding Site Predictor for Ordered Proteins Interacting with Intrinsically Disordered Proteins.
Grand Award: Third Place - $1,000

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Embedded Systems:

Eric He, 16, 11th Grade, High Technology High School, Lincroft, NJ
Assembly of a Novel CO2 Based Heat Zone Design to Optimize Absorption During Optic Fiber Processing.
Grand Award: Second Place - $1,500
Special Award: - MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Energy: Physical:

Farid Shahid 15, 9th Grade, Parkland High School, Allentown, PA
Developing an Optimal Novel Unconventional Wind Turbine.
Special Award: Arconic Foundation, Sustainable Urban Design – Third Place - $1,000

Sathya Edamadaka, 15, 9th Grade, High Technology High School, Lincroft, NJ
Virtually Perfect Photovoltaic Cells: A Novel and Adaptive Approach to Modeling Quantum Dot Templates Optimized for Varied Light Conditions.
Special Award: Arizona State University - Four Year Scholarship

Systems Software:

Neil Deshmukh, 15, 9th Grade, Moravian Academy, Bethlehem, PA
SCIN: An Application to Detect and Diagnose Plant and Skin Diseases Utilizing a Feed Forward Convolutional Neural Network.
Grand Award: Second Place - $1,500
Special Award: - MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Wolfram Research, Inc.:
Wolfram Research presents all Intel ISEF Finalists with a complimentary license of "Mathematic" software for students, as well as a free 1 year subscription to Wolfram-Alpha Pro.

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.