DELAWARE VALLEY SCIENCE FAIRS, INC.

Intel International Science and Engineering Fair 2014 Awards Ceremony
May 16, 2014
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 2014. Student winners are ninth through twelfth graders who earned the right to compete at the Intel ISEF 2014 by winning a top prize at a local, regional, state, or national fair.

Winner Announcement
Award winners from the Delaware Valley Science Fairs

Below is a list of the winning students from southeastern Pennsylvania, southern New Jersey, and the state of Delaware:

Computer Sciences:

Gavin Rees, 14, Germantown Academy, Fort Washington, PA
Modifying the One-time Pad Cryptosystem for Practical Use
Grand Award: Fourth Place - $500

Engineering: Materials and Bioengineering:

Ralph Ignacio Lawton, 15, PA Leadership Charter School, West Chester, PA
A PEEK into the Future: Advanced Materials for Orthopedic Implants
Grand Award: Third Place - $1,000

Microbiology:

Shayan Daniel Farmand, 14, Methacton High School, Eagleville, PA
Effects of Pollutants and Changes in pH on the Bioluminescence of Vibrio fischeri: A Novel Bioassay for Water Pollution Detection
Grand Award: Fourth Place - $500

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Electrical Engineering:

Queenie Luo, 16, High Technology High School, Lincroft, NJ
Shoe Charger for Cell Phones: Generating Sufficient Battery Power through Everyday Walking
Special Award: Organization of the Americas – Certificate of Achievement

Cell Biology:

Ruchi Asthana, 17, High Technology High School, Lincroft, New Jersey
Loss of TSC2 Signals for Altered Macrophage Function within Lymphangioleiomyomatosis: A Role for VEGF-D?
Special Award: Bruno Kessler Foundation: WebValley Program – Three Week trip to Trento, Italy to further research.

Since 1949, the Delaware Valley Science Fairs have stimulated interest in science, engineering and technology among middle and high school students in the tri-state region. DVSF's philosophy is that students learn science by doing science. Its mission is to bring together parents, teachers and industry leaders to motivate and nurture young people's curiosity in science and problem solving as we build lifelong learners.
For more information, visit www.DVSF.org or call
Henry Disston, Executive Director, at: 215-895-5840.