

## **2004 Intel ISEF TEAM OREGON Awards**

### **Beaverton, OR**

Sharat Ganapati, 17, Sunset High School

Project: Atmospheric Chemical Instabilities

Awards: Fourth Place, American Chemical Society: \$100

Fourth Place Grand Award, team projects: \$500

First Place, Oregon State University, 4-year Scholarship, \$5,000/year

Jason Kniss, 17, Southridge High School

Project: Reducing Sedimentary Runoff: A Study of Native Ground Surfaces and Their Relation to Sediment Movement

Awards: First Place, University of Portland: 4-year Scholarship, \$12,000/year

First Place, Portland State University: Scholarship

Fourth Place Grand Award, Environmental Science: \$500

Allison Landstrom, 17, Southridge High School

Project: The Effects of the Relaxin Hormone on the Laxity of Male and Female Anterior Cruciate Ligament Tissue, In Vitro

Awards: First Place, Portland State University: Scholarship award

First Place, American Physiological Society: \$1,000

First Place, Endocrine Society: \$1,000

Second Place Grand award, Medicine and Health: \$1,500

Philip Munoz, 17, of Merlo Station High School

Project: Increased Channel Capacity in Fiber Optics Through Transmission of Multiplexed Orbital Angular Momentum States

Awards: First Place, General Engineering: \$1,000

First Place, Intel Foundation Achievement Award: \$5,000

Team Scholarship, U.S. Navy and Marine Corps: \$8,000 to be divided equally with team

Intel ISEF Best of Category Award, team projects: \$5,000

First Place Grand Award, team projects: \$3,000

First Place Oregon State University scholarship: \$5,000/year for four years

European Union Contest for Young Scientists

Christopher Verlinden, 17, of Merlo Station High School

Project: Increased Channel Capacity in Fiber Optics Through Transmission of Multiplexed Orbital Angular Momentum States

Awards: First Place, General Engineering: \$1,000

First Place, Intel Foundation Achievement Award: \$5,000

Team Scholarship, U.S. Navy and Marine Corps: \$8,000 to be divided equally with team

Intel ISEF Best of Category Award, team projects: \$5,000

First Place Grand Award, team projects: \$3,000

First Place Oregon State University scholarship: \$5,000/year for four years

European Union Contest for Young Scientists

### **Gold Beach, OR**

Michael Olson, 17, Gold Beach High School

Project: Wildfire Affected Soils and Rhizosphere Recovery: Year Two

Awards: First Place, Southern Oregon University, 4-year Scholarship, \$5,000/year

First Place, Oregon State University, 4-year Scholarship, \$5,000/year

Allison Blackwell, 17, Gold Beach High School

Project: Influence of Leaf Characteristics on 'Sudden Oak Death' Susceptibility

Awards: First Place, American Phytopathological Society, \$1,000

Holland MacLaurie, 18, Gold Beach High School

Project: Genetic Variation in the Abies Procera – Abies Magnifica Complex

Awards: First Place, Western Oregon University: Scholarship

First Place, Oregon State University, 4-year Scholarship, \$5,000/year

### **Keizer, OR**

Kathryn King, 16, McNary High School

Project: The Construction and Energy-Efficiency of Windows

Awards: Third Place Grand Award, Environment Science: \$1000

First Place, Oregon State University: 4-year Scholarship Award, \$5,000/year

### **Klamath Falls, OR**

Tim Kendrick, 17, Lakeview High School

Project: The Location and Characteristics of Atmospheric Inversions Over Lakeview, Ore.

Awards: Third Place, American Meteorological Society: \$250

### **Portland, OR**

Mike Coulter, 17, Oregon Episcopal School

Project: A Novel Growth Method for Silicon Oxide Nanowires

Awards: Fourth Place Grand Award, physics: \$500

First Place, Oregon State University, 4-year Scholarship, \$5,000/year

Elyse Hope, 16, Oregon Episcopal School

Project: A Study in the Correlation Between the Movement Rates of Sunspots and Active Solar Magnetic regions Using a Novel Measurement Method

Awards: Third Place, Caltech JPL: Special Achievement Award Certificate

Ryna Karnik, 17, Oregon Episcopal School (Karnik is a resident of Aloha, Ore.)

Project: A non-Photolithographic Approach to the Construction of N-Type MOSFET Devices Using Focused Ion Beam Technology

Awards: Second Place, IEEE, Oregon and Seattle Sections: \$2,500

Second Place, U.S. Air Force: \$1,500

Second Award, Ashtavadhani Vidwan Ambati Subbaraya Chetty Foundation: \$500

Oregon Institute of Technology: 4-year scholarship, \$3,500/year

Second Place Grand Award, engineering: \$1,500

Anarghya Vardhana, 15, Jesuit High School (Vardhana is a resident of Beaverton, Ore.)

Project: A Prime Number Determining Algorithm in Polynomial Time

Awards: U.S. Army: All-expense Paid trip to Operation Cherry Blossom in Tokyo Japan, \$3,000 in savings bonds, \$300, a gold medallion and a certificate of achievement

First Place, Lewis & Clark College: 4-year Scholarship, \$5,000/year

First Place, Oregon State University: 4-year Scholarship, \$5,000/year

### **Salem, OR**

William Hallett, 18, West Salem High School

Project: Gender Roles in Northern Paiute Shamanism: Analysis Through the Rock Art Record

Awards: Second Place, Eastman Kodak Company: \$500

Stefanie Price, 17, West Salem High School

Project: Gender Roles in Northern Paiute Shamanism: Analysis Through the Rock Art Record

Awards: Second Place, Eastman Kodak Company: \$500

Marie Sakai, 18, West Salem High School

Project: Gender Roles in Northern Paiute Shamanism: Analysis Through the Rock Art Record

Awards: Second Place, Eastman Kodak Company: \$500

Megan Van Ness, 16, West Salem High School

Project: Chaotic Terrain on Europa: Evidence for Hydrological Resurfacing

Awards: First Place, National Aeronautics and Space Administration: \$1,500

First Place, Portland State University: Scholarship

Third Place, Caltech JPL: Special Achievement award Certificate

Third Place Grand Award, Earth and Space Science: \$1,000

First Place, Oregon State University: 4-year Scholarship, \$5,000/year

### **Wilsonville, OR**

Alyssa Grant, 17, of Wilsonville High School

Project: Investing in Stocks by Random, Technical, and Fundamental Selection

Awards: First Place, Lewis & Clark College, 4-year Scholarship, \$5,000/year

Elaine Hulteng, 16, Wilsonville High School

Project: The Effects of Aspartame Observed in the Mass of *Mus musculus*

Awards: First Place, Pacific University: Four-year scholarship, \$9,000/year

Fourth Place Grand Award, team projects: \$500

Rachel Reitmeyer, 18, Wilsonville High School

Project: The Effects of Aspartame Observed in the Mass of *Mus musculus*

Awards: First Place, Pacific University: Four-year scholarship, \$9,000/year

Fourth Place Grand Award, team projects: \$500

### **Vancouver, WA**

Thomas Chen, 17, Skyview High School

Project: Atmospheric Chemical Instabilities

Awards: Fourth Place, American Chemical Society: \$100

Fourth Place Grand Award, team projects: \$500

First Place, Oregon State University, 4-year Scholarship, \$5,000/year