

248-471-9900 • fax: 248-479-0383 • email: SF2005@SEFMD.org • <http://www.sefmd.org>

# PRESS RELEASE

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For additional information:

Tim Fino, Science Fair Director

248-471-9900

Web Site: [www.sefmd.org](http://www.sefmd.org)

## Science Fair winners receive awards at 2006 International Science Fair – Eight Students from Detroit area win prizes totaling \$57,850

In a total of three award ceremonies, eight students from the Detroit Metro area won numerous prestigious awards at the Intel International Science and Engineering Fair held in Indianapolis, Indiana. This year represents the most awards received by the Michigan Delegation in the history of the International Science and Engineering Fair with 14 students receiving \$122,350 in awards. These special awards were presented on May 11-12, 2006 and consisted of key awards from scientific, professional and educational organizations, governmental organizations, and overall category awards.

**Alexander Chernyak, 18**, International Academy, Bloomfield Hills, Michigan  
 and **Pavel V. Chvykov, 15**, Lincoln Consolidated High School, Ypsilanti, Michigan  
 Project title: “Development of Multipass Pulse Cleaner for Ultrafast High-power Lasers”  
**Category Award – Team Project** – First Award of \$3,000

**Amardeep Singh Grewal, 17**, Detroit Country Day School, Beverly Hills, Michigan.  
Project title: “A New Spin on Wound Healing Scaffolds: Physical and Molecular Optimization”

**Ashtavadhani Vidwan Ambati Subbaraya Chetty (AVASC) Foundation – First Award of \$1,000 U.S. Savings Bond**

*“For projects that displays outstanding creativity, ingenuity and have the potential to alleviate the human condition or mark a substantive advance in the scientific field.”*

**Category Award – Biochemistry – Fourth Award of \$500**

**Zane Sami Hatahet, 15**, Divine Child High School, Dearborn, Michigan.

Project title: “A Comparative Analysis of Quantum Dot Nanotechnology and Standard Fluorophores”

**Indiana University-Purdue University Indianapolis** – First Award of \$5,000 per year scholarship for four years (total value \$20,000)

**Jessica Lynn Laviolette, 18**, Brandon High School, Ortonville, Michigan.

Project title: "Optimizing Ethanol Production Efficiency"

**Vacuum Technology Division of the American Vacuum Society** – Second Place Award of \$500

*"The school science department of each winner will receive \$750. The winner's advisor will receive \$250. Both the winner and their advisor will also receive a vacuum technology text"*

**Category Award – Engineering** – First Award of \$3,000

**Sohan Venkat Mikkilineni, 17**, Detroit Country Day School, Beverly Hills, Michigan.

Project title: "A Finiteness Property for Integral Points in a Family of Conics"

**American Mathematics Society** – Third Place Award of \$250

*"Karl Menger Award of Excellence"*

**Indiana University – Purdue University Indianapolis** – Scholarship of \$5,000 per year for four years (total value of \$20,000)

**Nadia N Naja, 17**, Dearborn Center for Math, Science & Technology, Dearborn Heights, Michigan.

Project title: "Java Based Algorithm Automated Prescription Reminder and Renewal"

**United States Air Force** – Second award of \$1,500

*"Each winner will receive a plaque and certificate of recognition; the teacher of each individual and team project will receive a grant in the amount of \$300."*

**Category Award – Computer Science** – Third Award of \$1,000

**Meelap Vijay Shah, 17**, Stoney Creek High School, Rochester Hills, Michigan.

Project title: "Extended Falut Tolerance of Hyper-star Graphs"

**American Mathematics Society** – Honorable Mention Award

*"Karl Menger Award of Excellence"*

**United States Air Force** – Second Award of \$1,500

*"Each winner will receive a plaque and certificate of recognition; the teacher of each individual and team project will receive a grant in the amount of \$300."*

**Category Award – Mathematics** – Third Award of \$1,000

**Other winners from the State of Michigan included six students earning an additional \$64,500 in prize money and awards are:**

**Elizabeth Blair Laing, 17**, Lakeshore High School, Stevensville, Michigan.

Project title: "Shake and Bake: It's Not Just for Dinner Anymore. The Effects of SV40 Large T-Antigen on Skin Phenotype in VDR-null Mice"

**Category Award – Medicine and Health** – Fourth Award of \$500

**Indiana University** – Tuition Scholarship Award of \$5,000 per year for 4 years for a total value of \$20,000

**Ana Marie Lyons, 16**, Mecosta Osceola Math, Science & Technology Center, Big Rapids, Michigan.

Project title: "The Effects of *A. planipennis* Habitat Destruction on the Populations of Limno-Terrestrial Tardigrades Residing on the Lichens of *F. pennsylvanica*

**Category Award – Zoology** - Second Award of \$1,500

**Aaron Thomas Maturen, 17**, Heritage High School, Saginaw, Michigan  
and **Pascal Anthony Carole, 17**, Saginaw Arts and Sciences Academy, Saginaw, Michigan  
and **Remy Gerald Carole, 17**, Saginaw Arts and Sciences Academy, Saginaw, Michigan  
Project title: “Socially Integrated Robots: Sustainable Robotic Cognition in a Socioeconomic Model”  
**Category Award – Team Projects – Fourth Award of \$500**

**Ripal Hiren Patel, 17**, Kalamazoo Area Mathematics and Science Center, Kalamazoo, Michigan  
and **Erin N McCormick, 17**, Kalamazoo Area Mathematics and Science Center, Kalamazoo, Michigan  
Project title: “Competition Between Co-Extensive Homologous Efferent Terminals During Synapse Maturation”  
**Category Award – Team Projects – Third Award of \$1,000**

**Sameem S. Qazi, 16**, Carman-Ainsworth High School, Flint, Michigan.  
Project title: “Mutagenic Effect of Tobacco on Microorganisms”  
**Indiana University – Tuition Scholarship Award of \$5,000 per year for 4 years for a total value of \$20,000**

**Andrea Lynn Sims, 15**, Mecosta Osceola Math, Science & Technology Center, Big Rapids, Michigan.  
Project title: “Development of a Functional Knee Brace for Patients with Medial or Lateral Compartment Syndrome Caused by Osteoarthritis”  
**Indiana University-Purdue University Indianapolis – First Award of \$5,000 per year scholarship for four years (total value \$20,000)**

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“The Science and Engineering Fair of Metro Detroit is a non-profit organization dedicated to promoting science and engineering discovery in students in 7<sup>th</sup> through 12<sup>th</sup> grade. The Science and Engineering Fair of Metropolitan Detroit is the largest one of its kind in the country. The Fair is open to all students who are dedicated to expanding their knowledge and understanding of the world around them.”