

FOR IMMEDIATE RELEASE

AAAI Awards High School Students' AI Achievements

Component of Intel International Science and Engineering Fair

Menlo Park, Calif – August 10, 2003. As part of the Intel International Science and Engineering Fair, the world's largest high school celebration of science, the American Association for Artificial Intelligence recognized 13 high school students for their outstanding projects with an artificial intelligence component. Each winner received a \$500 cash award (joint authors shared the cash award), a one-year membership in AAAI, and a one-year subscription to AAAI's *AI Magazine* for the student's high school. "AAAI members were quite impressed by these students' projects," says AAAI Executive Director Carol Hamilton. "We hope these promising young scientists will continue pursuing their interests in AI."

Winners include:

Nice Guys Dominate: A Computer Simulation Studying the Effect of Dominant-Recessive Genetics on a Population

Michael Jason Diedrich, 16, Century High School, Rochester, Minnesota

Applying Genetic Algorithms to Dynamic Traitor Tracing

Adam Charles Vogel, 18, Saint Charles West High School, St Charles, Missouri

Data Mining Network Traffic with Neural Networks

Dmitry Kashlev, 19, The Bronx High School of Science, Bronx, New York

(more)

TensorFaces: A Multilinear Model for Computerized Face Recognition and Image Processing

Tonislav Ivanov Ivanov, 19, Stuyvesant High School, New York, New York

Modeling the Ecological Success of Decision Rules Using Variants of the Iterated Prisoner's Dilemma

Katherine Harvard, 17, Great Neck South High School, Great Neck, New York

Implementation of Bayesian Statistical Spam-filtering Algorithm

Jerry Ji Guo, 15, Riverside High School, Greer, South Carolina

Brain-Computer Interface for the Muscularly Disabled

Elena Leah Glassman, 16, Central Bucks High School West, Doylestown, Pennsylvania

Training Neural Networks with Genetic Algorithms

Nhan Duy Nguyen, 15, Southside High School, Greenville, South Carolina

The Telltale Heart of Darkness - Differentiating Between Authors: Beyond Naive Bayesian Classification

Brian Andrew Camley, 17, William J. Palmer High School, Colorado Springs, Colorado

Factors Affecting Cooperative Robotic Behavior

Donald Eng, 15, Stanton College Preparatory School, Jacksonville, Florida

Robots to the Rescue: The Effect of Sensor Type on the Detection of Life Signs

Brian Edward Pinkham, 17, Stone Bridge High School, Ashburn, Virginia

The Fish Robot

Francisco Selles de Almeida Junior, 20, ETEL - Escola Tecnica de Eletronica, Ipaussu, Sao Paulo, Brasil

Nei Alcantara Junior, 17, ETEL - Escola Tecnica de Eletronica, Ipaussu, Sao Paulo, Brasil

Fair Description

The Intel International Science and Engineering Fair (Intel ISEF) (www.sciserv.org/isef/) is held annually, bringing together over 1,200 students from 40 nations to compete for scholarships, tuition grants, internships, scientific field trips and the grand prize: a \$50,000 scholarship and a high performance computer. Science Service founded the ISEF in 1950 and is very proud to have Intel as the title sponsor of this prestigious, international competition.

About AAI

As a way to encourage promising young researchers, AAI proudly sponsors the Intel ISEF awards for the best projects in the area of computer science with an artificial intelligence component. Founded in 1979, the American Association for Artificial Intelligence (www.aaai.org) is a nonprofit scientific membership society devoted to advancing the science and practice of AI. Its mission is to: (1) advance the scientific understanding of the mechanisms underlying intelligent thought and behavior, (2) facilitate their embodiment in machines, (3) serve as an information resource for research planners and the general public concerning trends in AI, and (4) offer training for the current and coming generations of AI researchers and practitioners. The Association has sponsored an annual conference, regarded as the premier gathering in the field, since 1980. AAI also sponsors AI Topics, a non-technical Website with in-depth information and news about AI (www.aaai.org/aitopics).

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For press inquiries only, contact:

Sara Hedberg

Emergent, Inc.

(425) 643-5310

sara@hedberg.com