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For press inquiries only, contact:

Sara Hedberg
Emergent, Inc.
(425) 643-5310
sara@hedberg.com

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 ten 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 subscriptions to AAAI's *AI Magazine* for the student's high school. "AAAI members who judged this competition were quite impressed by the caliber of this year's entries," says AAAI Executive Director Carol Hamilton. "We hope this award will encourage these promising young scientists to continue pursuing their interests in AI."

The winners include:

Neural Networks and Speciation Genetic Algorithms

Craig Andrew Wilson, 16, Lake Travis High School, Austin, Texas

Fault-Tolerant Behavior-Based Robots

Laura Anne Wong, 17, Villa Victoria Academy, Ewing, New Jersey

Evaluating the Ability of a Genetic Algorithm to Find an Optimal Investment Portfolio

Jordan Strong Wilson, 15, Math and Science High School at Clover Hill, Midlothian, Virginia

A New Approach to the Identification of Computer Viruses Using Artificial Neural Networks

Benjamin Alan Frison, 16, Carlisle Area High School, Carlisle, Pennsylvania

(more)

Artificial Visual Perception: An Integrated Approach to Neuroadaptive Modeling

Kimberly Elise Reinhold, 16, Saint Joseph Junior-Senior High School, Hilo, Hawaii

Brain-Computer Interface for the Muscularly Disabled

Elena Leah Glassman, 17, Central Bucks High School West, Doylestown, Pennsylvania

E-Canister: A Reliable Anti-spamming Server Based on Voting and Learning

Sung-Jin Hong, 16, Daejon Science High School, Daejon, South Korea

Resource Allocation by Integration of Dispatching Heuristics with Genetic Algorithms

Yen Tung Yeh, 18, Avondale, Arizona

Christina Grace Kwong, 18, Phoenix, Arizona

Dean Wong Thongkham, 18, Mesa, Arizona

Development and Comparison of Biologically Based Robots

Zachary Michael Walchuk, 16, Mankato West High School, Mankato, Minnesota

Factors Affecting Cooperative Robotic Behavior: Year 2

Donald Eng, 16, Stanton College Preparatory School, Jacksonville, Florida

Fair Description

The Intel International Science and Engineering Fair (Intel ISEF) (www.intel.com/education/isef/) is the world's largest pre-college science competition that provides an opportunity for the world's best young scientists and inventors to come together to share ideas, showcase cutting-edge science projects, and compete for more than U.S. \$3 million in awards and scholarships.

About AAAI

As a way to encourage promising young researchers, AAAI 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. AAAI also sponsors AI Topics, a non-technical Website with in-depth information and news about AI (www.aaai.org/aitopics).

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