

## **FOR IMMEDIATE RELEASE**

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### **AAAI Awards High School Students' AI Achievements**

#### ***Component of Intel International Science and Engineering Fair***

**Menlo Park, Calif – July 13, 2005.** 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 subscription to AAAI's *AI Magazine* for the student's high school. "AAAI members who judged this competition were quite impressed by the caliber of work these students demonstrate," says AAAI Executive Director Carol Hamilton. "We hope this award encourages these promising young students to continue pursuing their interest in AI."

The winners include:

**Novel Investigations for N-Gram-Based Automatic Identification of Written Language**  
Marek Blahus, 18, Gymnazium Uherske Hradiste, Uherske Hradiste, Czech Republic

**Handwritten Number Recognition: Ants vs. Templates**  
Holly Kristine Zelnio, 17, Chaminade-Julienne Catholic High School, Dayton, Ohio

**A Practical Implementation of Gradient-Based Convolutional Neural Networks in Handwriting Recognition**  
Yuetian Xu, 18, Stuyvesant High School, New York, New York

**Age of Acquisition in Facial Identification: A Connectionist Approach**  
Brenden Manker Lake, 17, Torrey Pines High School, Encinitas, California

**Artificial Cognition and Memory: Tissue Image Analysis for Tumor Diagnosis**  
Kimberly Elise Reinhold, 17, Saint Joseph's High School, Hilo, Hawaii

**Dynamic Balance Function and Surface Adaptation for General Humanoid Robot Platform**  
Yang Ge, 17, Beijing Jingshan School, Beijing, Beijing, China

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**The Googler**

George Francis Hotz, 15, Bergen County Academies, Hackensack, New Jersey

**Factors Affecting Cooperative Robotic Behavior, Year Three**

Donald Stuart Eng, 17, Stanton College Preparatory School, Jacksonville, Florida

**Iris Recognition for Individual Identification**

Nina Maria Huffman, 17, Langley High School, McLean, Virginia

**Electricity Load Forecasting Using the Support Vector Machine**

Adam Shabti Charles, 17, Stuyvesant High School, New York, New York

Yuriy Novodvorskiy, 17, Stuyvesant High School, New York, New York

David Dengyu Wang, 17, Stuyvesant High School, New York, New York

**Fair Description**

The Intel International Science and Engineering Fair (Intel ISEF)

([www.intel.com/education/isef/](http://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](http://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](http://www.aaai.org/aitopics)).

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