

## FOR IMMEDIATE RELEASE

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## Connecticut Science Fair Students Receive Awards At the Intel International Science and Engineering Fair

**Albuquerque, New Mexico. - - May 18, 2007 - -** Connecticut Science Fair students were recognized in awards ceremonies this Thursday and Friday at the Intel International Science and Engineering Fair this week where they competed with 1,511 students from 51 countries for more than \$2 million in awards.

**George J. Hansel, a junior at Greenwich High School in Greenwich** received third award of \$1,000 in the category of Physics and Astronomy at the Grand Awards Ceremony. His project, called "*New Techniques in Fluorescence Microscopy*" studied the benefits of constructing a fluorescence microscope capable of both epi-illumination and hypo-illumination using gas and diode laser and LED light sources. A fiber-optic light spectrometer was used to facilitate collection of spectral data at extremely small scales as well as the traditional image data. His advisor is Mr. Andrew Bramante.

**Dayton T. Horvath, a junior at Newtown High School in Sandy Hook**, received third award of \$1,000 in the Environment Science category at the Grand Awards Ceremony. At the government awards ceremonies, Horvath received the United States Air Force first award of \$3,000, a plaque and certificate of recognition. For his project, called "*A Novel, Rapid, Inexpensive Coliform Detection System*," he designed, built and tested a device that may help future applications in the detection of harmful pathogens. His advisor is Mr. Frank LaBanca.

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**Russell L. Slater, a Junior at Greenwich High School, Greenwich,** received the Albany College of Pharmacy of Union University scholarship of \$5,000 per year for four years, plus a summer internship and a \$1,000 stipend. His project, called “*Medicated Hydrophilic Wound Dressings*” demonstrated that a revolutionary type of hydrophilic wound dressing would time release adequate medication to kill and prevent re-growth of E.Coli. His advisor is Mr. Andrew Bramante.

**Elisabeth A. Baseman, a senior at Brewster High School in Brewster, New York,** received fourth award of \$500 in the category of Environmental Management at the Grand Awards Ceremony. Baseman also received the United States Army Award of three \$1,000 U.S. Savings Bonds, a certificate of achievement and a gold medallion. Her project “*EMMA: Determining the Effects of Environmental Disasters on Ecosystems,*” used a new ecosystem model to determine that wildlife management is needed more if the ecosystem is threatened with a disaster that will increase the carrying capacity and that human intervention may not be needed at all if the disaster will decrease the carrying capacity. Her advisor is Mr. Edward Schmidt.

**Alexandra Leigh McIe, 17, Brewster High School, Brewster, New York,** received fourth award of \$500 in the category of Animal Sciences at the Grands Awards Ceremony. McIe is the winner the Danbury, Connecticut area, Science Horizons Science Fair and represents Science Horizons at the International Science and Engineering Fair. Her project “Integrating Hirudin from *Hirudo medicinalis* into an Anticoagulative Medication for *Equus caballus*: Phase I, Collection and Purification” uses a protein extracted from leaches to synthesize an anticoagulative medication for horses. Her teacher is Mr. Ed Schmidt.

The Connecticut Science Fair is an all-volunteer Connecticut nonprofit whose mission is provide recognition opportunities for 7<sup>th</sup> through 12<sup>th</sup> science, engineering, and mathematics students. See the CSF website [www.ctsciencefair.org](http://www.ctsciencefair.org). The Fair will celebrate its 60<sup>th</sup> anniversary in 2008 and served over 30,000 students since its inception.

The International Science and Engineering Fair is sponsored by Intel and has been administered by Science Service since its inception in 1950. Science Service is a non-profit organization dedicated to advancing the understanding and appreciation of science among people of all ages. [www.sciserv.org/isef](http://www.sciserv.org/isef)