



NEWS RELEASE

CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING

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FOR IMMEDIATE RELEASE:

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Academy To Honor Connecticut's Top Student Scientists *Young Scientists and Engineers Take the Spotlight at Annual Awards Dinner*

Hartford, CT — Connecticut's most talented young scientists and engineers will be honored by the Connecticut Academy of Science and Engineering at its 32nd Annual Meeting and Awards Dinner on May 22, 2007 at the Hilton Mystic Hotel in Mystic, Connecticut. Winners of the 2007 Connecticut Science Fair, the 2007 Connecticut Science Challenge, the 2007 Connecticut Junior Science and Humanities Symposium, and the 2007 Connecticut Invention Convention will be recognized during the evening ceremonies.

The H. Joseph Gerber Medal of Excellence, established by the Connecticut Academy of Science and Engineering and sponsored by Gerber Scientific, Inc., will be awarded to the two first place winners of the Connecticut Science Fair and the first place winner of the Connecticut Science Challenge. The medal was created to recognize and honor H. Joseph Gerber's (1924-1996) technical leadership in inventing, developing and commercializing manufacturing automation systems for a wide variety of industries, making those industries more efficient and cost-effective in a worldwide competitive environment.

The President of the Institute for Exploration, Dr. Robert D. Ballard will give the keynote address that will focus on his most recent work in deep water archaeology and the use of tele-presence technology in the Nation's new Ocean Exploration program.

Student winners to be honored include:

The H. Joseph Gerber Medal of Excellence:

Russell L. Slater, Greenwich High School, Greenwich, CT
2007 Connecticut Science Fair – 1st Place, Life Sciences-Senior Division
Project: *Medicated Hydrophilic Wound Dressings*

George J. Hansel, Greenwich High School, Greenwich, CT
2007 Connecticut Science Fair – 1st Place, Physical Sciences-Senior Division
Project: *New Techniques in Fluorescence Microscopy*

Miles C. Lubin, Staples High School, Westport, CT
2007 Connecticut Science Challenge – 1st Place
Project: *A Parametric Statistics-based Heuristic for Finding the Nearest Neighbor in Metric Space*

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2007 Connecticut Science Challenge

1st Place – See H. Joseph Gerber Medal of Excellence award winner

2nd Place: Sophie Cai, Ridgefield High School, Ridgefield, CT

Project: *A Novel Technique for Revealing Serial and Parallel Mechanisms in Visual Processing*

Honorable Mention: Ayesha Samant, Convent of the Sacred Heart, Greenwich, CT

Project: *A Potential Breakthrough in Treating Depression: The Impact of Structure and Pore Size on the Controlled Release of Fluorescein Isothionate from Poly (ethylene co-vinyl-acetate) Matrices*

2007 Connecticut Junior Science and Humanities Symposium

1st Place: Antonella Lisanti, Staples High School, Westport, CT

Project: *Images of Active Galactic Nuclei in the MUSYC Survey*

2nd Place: Tatiana Cooke, Greenwich High School, Greenwich, CT

Project: *Population Survival of Ced-3 Deficient C. elegans in a Soil Environment*

3rd Place: Mary Keneally, New Canaan High School, New Canaan, CT

Project: *Haptoglobin-Related Protein in Chimpanzees*

4th Place: Willie Mandeville, New Milford High School, New Milford, CT

Project: *Applying the Lotka-Volterra Model of Interspecific Competition to Invasive Plant Infiltration*

5th PLACE: Andrew Taylor, Newtown High School, Sandy Hook, CT

Project: *The Stimulation, Fabrication and Testing of Novel Metamaterial at a Near-Infrared Frequency*

2007 Connecticut Invention Convention

Amity Regional Middle School, Bethany, CT: Jack Dunleavy

Home-Schooled, Woodstock, CT: Elizabeth DeShaw

Lyme-Old Lyme Middle School: Sterlin Feeney

Our Lady of the Assumption School, Fairfield, CT: Theresa Bartomioli and Christopher Costa

Mystic Middle School, Mystic, CT: Thomas Riordan

Newtown Middle School, Newtown, CT: Austin Fuori

Torrington Middle School, Torrington, CT: Nicholas Chiravolo; Rosemarie Day; Christine Keywan; Destiny

Lopez; Ryan Nivolo; Tyler Reiff; Nicholas Roberts; Morgan Thulin

Twenty-six newly elected members of the Academy will also be recognized during the evening.

The Connecticut Academy of Science and Engineering was chartered by the General Assembly in 1976 to provide expert guidance on science and technology to the people and to the state of Connecticut, and to promote the application of science and technology to human welfare and economic well being. For more information about the Academy, please see www.ctcase.org.

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