



NEWS RELEASE

CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING

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FOR IMMEDIATE RELEASE:

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CASE to Honor Connecticut's Top Student Scientists

Young Scientists and Engineers Take Spotlight at Annual Awards Dinner

Rocky Hill, CT — Connecticut's most talented young scientists and engineers will be honored by the Connecticut Academy of Science and Engineering (CASE) at its 40th Annual Meeting and Awards Dinner on May 19, 2015 at the Crowne Plaza Hotel in Cromwell. Winners of this year's Connecticut Science & Engineering Fair, Connecticut Junior Science and Humanities Symposium, and Connecticut Invention Convention will be recognized during the evening ceremonies.

The H. Joseph Gerber Medal of Excellence, established by CASE and presented in partnership with the Connecticut Center for Advanced Technology, will be awarded to the top winners of the Connecticut Science & Engineering Fair. 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.

This year's keynote address will be a conversation with CASE Member Dr. Edison T. Liu, President & CEO of the Jackson Laboratory, hosted by Hartford Courant Columnist Dan Haar.

Student winners to be honored are:

The 2015 H. Joseph Gerber Medal of Excellence:

Olivia Hallisey, Greenwich High School, Greenwich, CT

2015 Connecticut Science & Engineering Fair – 1st Place, Life Sciences-Senior Division

Project: *Temperature-Independent, Portable, And Rapid Field Detection Of Ebola Via A Silk-Derived Lateral-Flow System*

Ethan Novek, Greenwich High School, Greenwich, CT

2015 Connecticut Science & Engineering Fair – 1st Place, Physical Sciences-Senior Division

Project: *Low Grade Waste Heat Recovery And Carbon Sequestration Using An Innovative Reverse Electrodialysis (RED) And Pressure Retarded Osmosis (PRO) System*

Eunsun Hong, Bridgeport Regional Aquaculture Science & Technology Education Center, Bridgeport, CT

2015 Connecticut Science & Engineering Fair – Urban School Challenge High School Winner

Project: *Development Of Non-toxic Photostabilized Phycoerythrin For Application In Dye Sensitized Solar Cells*

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2015 Urban School Challenge Middle School Winner, Connecticut Science & Engineering Fair**Christopher Hwang, Westside Middle School Academy, Danbury, CT**Project: *UV-C Lighting As A Supplemental Method Of Preservation In Refrigerators To Reduce Energy Consumption***2015 Connecticut Junior Science and Humanities Symposium****1st Place: Paul Han, Glastonbury High School, Glastonbury, CT**Project: *Evaluation Of Several Resonant Power Electronic Converters In Capacitively Coupled Wireless Energy Transmitters***2nd Place: Ethan Novek, Greenwich High School, Greenwich, CT**Project: *Low Grade Waste Heat Recovery And Carbon Sequestration Using An Innovative Reverse Electrodialysis (RED) And Pressure Retarded Osmosis (PRO) System***3rd Place: Anubhuti Mathur, Glastonbury High School, Glastonbury, CT**Project: *Preparation And Comparison Of EGCG-Loaded PLGA And Cellulose Acetate Microparticles For Osteoarthritis Treatment***4th Place: Aakshi Agarwal, Hamden High School, Hamden, CT**Project: *ACVR1/ALK2 Inhibitors As A Cure For Fibrodysplasia Ossificans Progressiva***5th Place: Nicolas Santandrea, Bridgeport Regional Aquaculture Science & Technology Education Center, Bridgeport, CT**Project: *Biochar Electrodes Incorporated With Cuprous Oxide Substrates To Optimize Solar Cells' Efficiency***2015 Connecticut Invention Convention****Avon** -- Talcott Mountain Academy of Science, Mathematics and Technology: Zachary Dornfeld and Nabeel Kemal**Bloomfield** -- CREC Academy of Aerospace & Engineering Middle School: Cristian Rodriguez**Bloomfield** -- CREC Metropolitan Learning Center for Global & International Studies: Angelique Ayala**Cromwell** -- Cromwell Middle School: Devon Schneider**East Granby** -- East Granby Middle School: Samantha Borsari**Farmington** -- Irving A. Robbins Middle School: Sai Chinta**Newtown** -- Newtown Middle School: Bryan Ingwersen**Southington** -- Joseph A. DePaolo Middle School: Lucca Riccio**Fishers Island, NY** -- Fishers Island School: Betsy Conger and Margot Hutchins**Torrington** -- Torrington Middle School: Logan Bermas, Chelsey Bournique and Kaitlyn Perbeck**Westbrook** -- Westbrook Middle School: Cristopher Guzman

Twenty-three 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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