



Connecticut Science & Engineering Fair

Quinnipiac University

March 15 - 19, 2016

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

Final Judging Results

Award Legend

Trophy Winners = 1, 2, ...
 Medalists = m
 Winners = w

EnergizeCT/CL&P/eesmarts Future Sustainability Awards

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Project Title]

High School

New Haven Wilbur Cross High School Caroline Dahm

6038 PS Exploring conditions for Struvite precipitation and crystal growth.

Award 1 Student(s) Maya Geradi Grade 10 Town New Haven

- * CASE Urban School Challenge Awards with Travelers --- 1st Place High School - \$500 and Plaque, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- * Energize CT/eesmarts Future Sustainability Awards --- 1st Place High School - \$800 Cash, Plaque, and Trip to Compete I-SWEEEP, Houston
- * Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$250 cash
- * H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Urban School Challenge 1st HS- \$1,000, Silver Medal of Excellence, Invite to CASE Annual Mtg & \$500 cash award to School Science Department for equipment/supplies
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Sustainability
- * CSF Board of Directors Award --- certificate and \$50 Amazon gift card given by CSF

New Haven Engineering Science University Magnet School Roger Rushworth

3084 LS How do varying kinds of enzymes effect the efficiency of enzymatic hydrolysis on lignocellulic material to produce cellulosic ethanol through fermentation

Award 2 Student(s) Sumanth Kondapalli Grade 9 Town Milford

- * CASE Urban School Challenge Awards with Travelers --- 5th Place High School - Plaque, Medallion
- * Energize CT/eesmarts Future Sustainability Awards --- 2nd Place High School - \$500 Cash and Plaque, Trip to Compete at GENIUS Olympiad, Oswego, NY

Greenwich Brunswick School Dana Montanez

6511 PST Soil Remediation: Removing Contaminants by Means of Thermal Desorption Followed by Remineralization Through Addition of Organic Material

Award 3 Student(s) Andrew Mellert Grade 11 Town Greenwich
 William Gorman Grade 11 Town Bedford

- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
- * Energize CT/eesmarts Future Sustainability Awards --- 3rd Place High School - \$300 Cash and Trophy

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

3086 LS Analysis of Honey Derivatives as a Functional Tumor Growth Suppressant

Award m Student(s) Katharine Morris Grade 12 Town Bridgeport

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- HS Life Sciences- \$150 / plaque
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Biochemistry



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Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 6034 PS Development of a Zero Net Energy Hydrogen Fuel Cell System for the Purpose of Generating Potable Water
Award m **Student(s)** Danielle Peterson **Grade** 12 **Town** Stratford

* Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

Bristol St. Paul Catholic High School Mr Aliberti
 6006 PS A Novel Approach To Help Households Use Less Water
Award m **Student(s)** Kamila Krawczuk **Grade** 10 **Town** New Britain

- * Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- * Ct Architecture Foundation Award Name: The William M. Mack, AIA Award --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.
- * ISA - International Society for Automation - Ct. Valley Section --- 2nd - \$75 award
- * CSF Board of Directors Award --- certificate and \$50 Amazon gift card given by CSF
- * The Connecticut Technology Council Young Woman Innovation Award --- \$150 Cash Award for Technological Innovation

Greenwich Brunswick School Dana Montanez
 3527 LST Investigating the feasibility of a cooperative yeast-algae biofuel production system and its effects on biomass and resulting impurities
Award m **Student(s)** Alexander Wada **Grade** 11 **Town** Old Greenwich
 Colin MacFaddin **Grade** 11 **Town** Cos Cob

- * Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High Team- \$500 (split) & Plaque
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

Greenwich Greenwich High School Andrew Bramante
 3033 LS Open-Wound Administration of Coagulant and Antibacterial Therapeutics via CaCO3 Microparticle Self-propulsion
Award m **Student(s)** Michelle Woo **Grade** 10 **Town** Riverside

- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist- Life Sciences - Medallion and Acrylic Award
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering

Hamden Sacred Heart Academy Dr. Elizabeth Christophy
 6027 PS Examination of Different Wet Scrubber Sorbents in Reducing Acid Rain Production and Removing Solid Pollutants
Award m **Student(s)** Laura Mocchiola **Grade** 10 **Town** Shelton

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- * U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSEF
- * TurnKey Compliance Solutions Environmental Awards --- \$300 Cash Award High School- For excellence in environmental sciences



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Madison Daniel Hand High School Madhuparna Roychoudhury
 6053 PS A practical method for CO2 capture by recovering dissolved CO2 in ocean water.
Award m **Student(s)** Ankita Roychoudhury **Grade** 11 **Town** Madison

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- * Yale Science & Engineering Association, Inc. --- Certificate, \$50 gift card to Amazon given by CSEF
- * University of Connecticut - Physics Department --- UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat
- * Greenwich Shellfish Commission Marine Ecology Awards --- High School Award for Excellence in Marine Ecology Award- Ocean Camp at Project Oceanology

New Haven Hill Regional Career High School Mr Dimoulas
 6526 PST Eco Friendly Batteries
Award m **Student(s)** Mike Olivares **Grade** 9 **Town** New Haven
 Rich Tran **Grade** 9 **Town** East Haven

- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

Windsor Madina Academy Muhammad Abubakar
 6510 PST Designing and Constructing an Underwater Turbine with a Self-Functioning Water Desalination System Simulating the Conditions of the Long Island Sound
Award m **Student(s)** Maryam Moghul **Grade** 9 **Town** Bloomfield
 Alina Mohammed **Grade** 9 **Town** Windsor

- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award