



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 10 - 14, 2015

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/UI/eesmarts Alternative/Renewable Energy Awards

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

### Middle School

**Bethany** Amity Reg Middle School, Bethany Campus Kevin Berean

4029 PT Incorporating the Flutter Effect in Flags to Produce Energy

Award 1 Student(s) Thomas Livesay Grade 8 Town Woodbridge  
 Felix Liu Grade 8 Town Woodbridge

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy

**Stratford** St. Mark School Mr. Michael McMahon

5560 P8 Energy Scavenging--Proving the Seebeck Effect with a Homemade Thermoelectric Generator: A Source of Free, Sustainable, Low-Voltage Power

Award 2 Student(s) Kristen Robertson Grade 8 Town Stratford

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Society of Women Engineers - Hartford Section --- Scientific Calculator

**Danbury** St. Joseph School Jennifer Reilly

5026 P7 The Power of Wind

Award 3 Student(s) Sean Guiry Grade 7 Town Danbury

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy

**Bozrah** Fields Memorial School Mrs. Evelyn Brown

5032 P7 Maximizing the Energy Output of a Wind Turbine

Award m Student(s) Dravyn Okoney Grade 7 Town Bozrah

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award



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**Greenwich** Central Middle School Ms. Bresler

5514 P8 Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency

**Award** m **Student(s)** Bennett Hawley **Grade** 8 **Town** Cos Cob

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- Constellation - An Excelon Company --- For Excellence in clean renewable / sustainable energy - Grades 7 & 8
- IEEE, Connecticut Section --- \$100 Honorable Mention
- MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
- American Society for Metals - Hartford Chapter --- \$50 Check

**Shelton** Shelton Intermediate School Mrs. Genova

5058 P7 The Voltage Changes from Different Wavelength Radiations on a Solar Panel

**Award** m **Student(s)** Siddharth Jain **Grade** 7 **Town** Shelton

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award



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### High School

**Greenwich** Brunswick School Dana Montanez

6051 PS Revolutionizing A 16th Century Product For The Modern World: A Thermoelectric Chair That Creates Energy From The Human Touch

Award 1 Student(s) Angus Fraser Grade 11 Town Darien

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque, Trip to Compete I-SWEEEP, Houston
- Energize CT/eesmarts Future Sustainability Awards --- 3rd Place High School - \$300 Cash and Trophy
- Yale Science & Engineering Association, Inc. --- Certificate, \$50 gift card to Amazon given by CSEF
- University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Energy & Transportation

**Suffield** Suffield High School Mr. Mitchell Charkiewicz

6075 PS Energy Transfer Using Laser Power Beaming

Award 2 Student(s) Joseph Howarth Grade 11 Town Suffield

- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Plaque, Trip to Compete GENIUS Olympiad, Oswego, NY
- Coherent, Inc. Richard Hart Award for Excellence in Photonics --- \$300 cash, plaque, invitation to lunch and tour Coherent factory

**Hebron** RHAM High School Kristin Spinelli

3515 LST Manure to Methane

Award 3 Student(s) Taylor Brysgel Grade 9 Town Marlborough  
 Darren Lin Grade 9 Town Marlborough

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque
- Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- NYUC Pony Club Equine Award --- \$50 Cash Award or excellence in equine studies

**Glastonbury** Glastonbury High School Ms. Pintavalle

6027 PS Financially Superior Energy Source for Subterranean Inhabitants

Award m Student(s) Ashley Gartland Grade 11 Town Glastonbury

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
- Connecticut Architecture Foundation --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.



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**Greenwich** Brunswick School Mrs. Montanez  
 6080 PS A Water-Resistant, Piezoelectric Precipitation Generator; A comparative analysis of mobile v. stationary systems  
 Award m Student(s) David Ruf Grade 12 Town Greenwich

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**Putnam** Putnam Science Academy Serdar Haytiyev  
 6503 PST Designing a High Efficiency and Low Cost Wind Turbines bu Utilizing Organic Solar Panels made from Rosa Canina  
 Award m Student(s) Cagri Aytekin Grade 12 Town Putnam  
 Furkan Sahin Grade 10 Town Putnam  
 Furkan Aldemir Grade 11 Town Putnam

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & Plaque
- Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- Constellation - An Excelon Company --- For Excellence in clean renewable / sustainable energy - Grades 9 - 12
- American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate

**Putnam** Putnam Science Academy Serdar Haytiyev  
 6507 PST Environmentally Friendly and Low Cost Usage of Naturally Extracted Dyes from Organic Materials to Produce Renewable Energy at Efficient Rates  
 Award m Student(s) Ahmet Sirrik Grade 11 Town Putnam  
 Tarik Kesen Grade 11 Town Putnam  
 Ali Akcakil Grade 11 Town Putnam

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place - Physical Sciences Senior High Team - Plaque
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**Trumbull** Christian Heritage School Daniel Cote  
 6094 PS The refinement and production of bio-diesel derived from laboratory grown nanochloropsis algae  
 Award m Student(s) Sarah Mack Grade 11 Town West Haven

- Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences