



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 12 - 17, 2018

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

5011 P7 From Biomass To Biogas

Award 1 Student(s) Matilda Pethrick Grade 7 Town Stratford

- \* Lockheed Martin Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy
- \* CASE • PepsiCo Urban School Challenge Awards with IBM --- 4th Place Middle School - Trophy, Medallion
- \* Environmental Sciences Awards with CACIWC --- 3rd Place MS- \$100, Trophy, CACIWC gifts
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy
- \* Future Sustainability Awards - Eversource /energizeCT --- 3rd Place Middle School - \$100 Cash and Trophy
- \* Ricoh Americas Corporation --- Certificate, \$25 Amazon gift card given by CSEF
- \* Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences
- \* Frank J. Link Family Award for Energy Related Research --- Frank J. Link Award for Energy Related Research - \$50

5034 P7 The Efficiency of Different Types of Algae in Creating Self-Sustaining Microbial Fuel Cells

Award 2 Student(s) Max Coisman Grade 7 Town Danbury

- \* Lockheed Martin Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- \* Future Sustainability Awards - Eversource /energizeCT --- 1st Place Middle School - \$300 Cash and Trophy
- \* Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS
- \* The Children's Museum --- 1 family 4-Pack of Admission Passes to the Children's Museum

5027 P7 How Do Variables Impact The Amount of Energy Collected by a Wind Turbine

Award 3 Student(s) Alanna Brady Grade 7 Town Bozrah

- \* Lockheed Martin Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- \* People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place Middle School - Trophy , \$100 from People's United Bank
- \* Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$200 / trophy
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- \* Future Sustainability Awards - Eversource /energizeCT --- Middle School Finalist - Medallion
- \* UTC Aerospace Systems Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- \* Association for Women Geoscientists --- Certificate & \$25 gift card to Amazon given by CSEF
- \* Society of Women Engineers - Hartford Section --- Scientific Calculator
- \* MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
- \* Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque

5552 P8 Wat(H)er Spin if Off

Award m Student(s) Thu Do Grade 8 Town Bridgeport

- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion



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4025	PT	Wind vs Water		
<b>Award</b>	m	<b>Student(s)</b> Anna Flaherty	<b>Grade 8</b>	<b>Town</b> New Fairfield
		Arshei Flores	<b>Grade 8</b>	<b>Town</b> New Milford

- \* Lockheed Martin Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion
- \* Future Sustainability Awards - Eversource /energizeCT --- Middle School Finalist - Medallion
- \* Association for Women Geoscientists --- Certificate & \$25 gift card to Amazon given by CSEF
- \* Constellation, an Exelon Company --- 1st: \$100.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
- \* Frank J. Link Family Award for Energy Related Research --- Frank J. Link Award for Energy Related Research - \$50

5507	P8	Green Step		
<b>Award</b>	m	<b>Student(s)</b> Jennifer Fiestas	<b>Grade 8</b>	<b>Town</b> New London

- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion
- \* Constellation, an Exelon Company --- 2nd: \$50.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy

### High School

6008	PS	Effective Catalytic Conversion of Plastic Waste into Fuel		
<b>Award</b>	1	<b>Student(s)</b> Elias Haddad	<b>Grade 9</b>	<b>Town</b> Danbury

- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque
- \* Future Sustainability Awards - Eversource /energizeCT --- High School Finalist - Medallion
- \* MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, high school, \$100 cash award
- \* GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place HS Alternative/Renewable Energy Project

6029	PS	New Abundant and Sodium-Free Metakaolin Solid Electrolyte Ceramic for Power Grid Na-Ion Batteries		
<b>Award</b>	2	<b>Student(s)</b> Alexander Kosyakov	<b>Grade 11</b>	<b>Town</b> Riverside

- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Plaque,
- \* Future Sustainability Awards - Eversource /energizeCT --- High School Finalist - Medallion
- \* United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- \* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR
- \* Yale Science & Engineering Association, Inc. --- Certificate, \$25 gift card to Amazon given by CSEF



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3051 LS Regulation of Lemna minor Reactive Oxygen Species through Iodide and Tyrosine Antioxidant Treatments to Maximize Biofuel Yield

Award 3 Student(s) Alia Aguilar Grade 12 Town Monroe

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque  
 \* Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences

6092 PS Salty Fuel Energy

Award m Student(s) Carlos Guzman Grade 9 Town Bridgeport

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

3530 LST Heated Soil: Does Soil Temperature Effect Plant Growth? A Solar Greenhouse with Radiant Heat

Award m Student(s) Colby Loiselle Grade 10 Town Pomfret  
 Macory Merrill Grade 10 Town Danielson  
 Matthew Bellavance Grade 10 Town Moosup

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion  
 \* Future Sustainability Awards - Eversource /energizeCT --- High School Finalist - Medallion

6005 PS Effect of Various Ambient Gases on Stability of Perovskite Solar Cells

Award m Student(s) Khundker Hossain Grade 12 Town Manchester

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion  
 \* University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Energy & Transportation

6518 PST Using Wasted Heat from Hot Showers to Recycle Energy

Award m Student(s) Ahmad Mohammed Grade 9 Town Windsor  
 Muaz Sharaf Grade 9 Town Windsor Lock  
 Samir Khan Grade 9 Town Wethersfield

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion  
 \* Constellation, an Exelon Company --- 2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy