



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

United Technologies Corporation Awards

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

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

Middle School

Bethany Amity Reg Middle School, Bethany Campus Mr. Berean

4009 PT The TempBot

Award Student(s) **Ana Boccanfuso** Grade 8 Town Woodbridge
Saunder Saffran Grade 8 Town Bethany

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- * Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- * IEEE, Connecticut Section --- \$100 Honorable Mention

Hartford Sport and Medical Sciences Academy Marianne Vitali

5005 P7 Natural Plastic

Award Student(s) **Madison Lee** Grade 7 Town Rocky Hill

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- MS Phys. Sciences- \$300 / plaque
- * CASE Urban School Challenge Awards with Travelers --- 4th Place Middle School - Trophy, Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy
- * ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSEF
- * Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre
- * Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque
- * Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

Glastonbury Smith Middle School Mary Coburn

5526 P8 Li-Fi: How bright should LEDs be to accurately transmit data?

Award Student(s) **Arjun Ahilan** Grade 8 Town Glastonbury

- * Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Society of Women Engineers - Hartford Section --- Scientific Calculator



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High School

Greenwich Brunswick School Dana Montanez

6037	PS	Optimizing Efficiency of Urban, Track-based Rapid Transit Systems
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Award **Student(s)** Wesley Peisch **Grade** 10 **Town** Greenwich

- * People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Plaque, \$300 from People's United Bank
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Barker Mohandas Awards for Transportation Research --- \$200 Cash & Plaque for Excellence in Transportation Related Research- High School

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6039	PS	Triboelectric Series and its relation concerning power generation in Triboelectric Nano generators
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Award **Student(s)** Randy Kaufman **Grade** 12 **Town** Stratford

- * CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- * Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report

Greenwich Greenwich High School Andrew Bramante

6055	PS	Increased Charge Rate and Capacity for Olivine Lithium-Ion Batteries Using Efficient, Upcycled Nanoscale Electrodes
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Award **Student(s)** Christopher Popham **Grade** 11 **Town** Old Greenwich

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place - Physical Sciences Senior High Individual - \$500 & Plaque, trip to compete at Intel ISEF
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Physical Sciences 1st HS \$1,000, Solid Silver Medal of Excellence, invite to CASE Annual Mtg
- * Yale Science & Engineering Association, Inc. --- Certificate, \$50 gift card to Amazon given by CSEF



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Tolland Stonewall Academy Donald Peck

6085 PS Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines

Award Student(s) **Amelia Peck** Grade 10 Town Tolland

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- HS Phys. Sciences- \$500 / plaque
- * Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque, Trip to Compete I-SWEEEP, Houston
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSEF
- * Constellation, an Exelon Company --- 1st: \$200.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy
- * MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, high school, \$100 cash award
- * Arthur Mensing Award --- \$1000 cash award for excellence in the physical sciences
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Energy & Transportation

Hamden Sacred Heart Academy Mrs. Brownell

6517 PST Printing Skin: Using Different Polymer Filaments to Print a Prosthetic Covering

Award Student(s) **Eunji Lee** Grade 10 Town Trumbull
Priya Patel Grade 11 Town Derby

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place - Physical Sciences Senior High Team - Plaque
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences