



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

Barnes Aerospace Applied Technology Awards

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

Middle School

5017 P7 The Buzzing Eye - Helping The Blind
 (school submitted title - Supersonic Blind Helper)

Award 1 **Student(s)** Varun Vadhera **Grade** 7 **Town** Wilton

- * Lockheed Martin Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- * Barnes Aerospace Applied Technology Awards --- 1st Place Middle School - \$300 and Trophy, Medallion
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * IEEE, Connecticut Section --- \$250 Honors Award -Junior
- * Zepke Award --- \$100 - For the Best Use of Electronic Circuitry- Middle School

5542 P8 Acoustic Anomaly Detector

Award 2 **Student(s)** Brendan Glastris **Grade** 8 **Town** Burlington

- * Barnes Aerospace Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
- * Computer Science Awards --- Middle School Finalist - Medallion
- * Connecticut Academy of Audiology --- \$150 Award MS- For Excellence in Audiology and Acoustics, opport. to shadow an audiologist

5534 P8 The Rolling Cane

Award 3 **Student(s)** Michael Coyne **Grade** 8 **Town** Woodbridge

- * Barnes Aerospace Applied Technology Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * UTC Aerospace Systems Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project

4007 PT The Nexu Helmet

Award m **Student(s)** Joseph Grabowski **Grade** 8 **Town** Fairfield
 Bronson Vo **Grade** 8 **Town** Bridgeport

- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion

2521 L8 Design and Testing of a Chitin-based Filter for Bio-remediation of Nitrates

Award m **Student(s)** Marguerite LaBanca **Grade** 8 **Town** Sandy Hook

- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF
- * Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner



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High School

6503 PST Utilization of Vertical Tidal Range to Generate and Store Electrical Current

Award **1** Student(s) **William George** Grade 11 Town Greenwich
Harold Barringer Grade 11 Town Greenwich

- * Barnes Aerospace Applied Technology Awards --- 1st Place High School - \$500 and Plaque, Medallion
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * IEEE, Connecticut Section --- \$100 Honorable Mention

6089 PS The Anti-Overdose Pill Bottle Stemming the Opiod Epidemic

Award **2** Student(s) **Ziad Hassan** Grade 11 Town Suffield

- * Barnes Aerospace Applied Technology Awards --- 2nd Place High School - \$300 and Plaque Medallion
- * Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2018 Invention Convention, April 28

6532 PST Examination of the Magnetic Levitation Wind Turbine and its Conventional Counterpart

Award **3** Student(s) **Peter Lehrman** Grade 10 Town Greenwich
Alexander Morgan Grade 10 Town Greenwich

- * Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion
- * Future Sustainability Awards - Eversource /energizeCT --- High School Finalist - Medallion

6025 PS Electronic Stethoscope System for Monitoring and Analyzing Bowel Sounds

Award **m** Student(s) **Abhi Mohnani** Grade 11 Town Glastonbury

- * Lockheed Martin Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion
- * Computer Science Awards --- Senior High Finalist - Medallion
- * UTC Aerospace Systems Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Lunch with a Patent Attorney --- Lunch with a Patent Attorney
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Engineering: Electrical

6015 PS Combining digital interfaces with smart robots to easily make images in fields

Award **m** Student(s) **William King** Grade 12 Town Old Greenwich

- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion



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3087 LS Non-Invasive, Low Cost Diagnosis of Chronic Obstructive Pulmonary Disease (COPD) via Smartphone Breath Analysis
 Award m Student(s) Hiba Hussain Grade 10 Town Old Greenwich

- * Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High- \$300 & Plaque, Trip to compete at Intel ISEF
- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion
- * UTC Aerospace Systems Engineering Awards --- Finalist - Engineering High School - CSF Medallion

6020 PS The Design of a Self-Funding Heating System
 Award m Student(s) Miles Meade Grade 11 Town Shelton

- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion
- * Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award

6516 PST The Effects of Positioning of Micro Vertical Axis Wind Turbines in a Network on Efficiency and Power Output
 Award m Student(s) Chris Rinaldi Grade 11 Town Enfield
 Jean Pasato Grade 11 Town Middletown
 Vishakh Talanki Grade 11 Town South Windsor

- * Lockheed Martin Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & Plaque
- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion
- * Future Sustainability Awards - Eversource /energizeCT --- 2nd Place High School - \$300 Cash and Plaque
- * UTC Aerospace Systems Engineering Awards --- 3rd Place- Engineering Senior High- \$200 & plaque
- * Ct Architecture Foundation Award - The William M. Mack, AIA Award --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.