





# Connecticut Science & Engineering Fair

## Quinnipiac University

March 7 - 19, 2022

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

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

### Raytheon Awards

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

6032 PS Flexible mechanical worm based on steering gear

**Award** Student(s) **Xinyi Xie** Grade 11 Town Middlebury

- \* Collins Aerospace Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- \* Raytheon Corporation Awards --- \$500, Plaque
- \* Wisner Memorial Award --- \$ 1000 cash + Silver Bowl (\$2000 cash if a team) High School
- \* Jon Chapitis Memorial Award --- John Chapitis Spirit of Innovation Award - HS \$200

6049 PS JARVITS: A Novel Deep Learning IoT Traffic Control System for Real-time Detection and Signal Optimization

**Award** Student(s) **Ryan Kim** Grade 11 Town New Haven

- \* Computer Science Awards --- 3rd Place High School- \$200, Plaque
- \* Collins Aerospace Engineering Awards --- 3rd Place- Engineering Senior High- \$200 & Plaque
- \* Raytheon Corporation Awards --- \$500, Plaque
- \* Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7,500 per year) to Quinnipiac University for HS Student

6071 PS Cloud Identification in Mars Daily Global Maps with Deep Learning

**Award** Student(s) **Sebastian Mengwall** Grade 12 Town Darien

- \* Lockheed Martin Physical Sciences Awards --- 5th Place - Physical Sciences Senior High Individual - Plaque
- \* Mathematics Awards --- 2nd Place High School - \$300 and Plaque
- \* Computer Science Awards --- Senior High Finalist - Medallion
- \* Raytheon Corporation Awards --- \$500, Plaque
- \* MapleSoft Awards for Applied Mathematics and Modeling --- For excellence in Mathematics and Modeling - Maple Software and T-shirt

6505 PST Piezoelectric Wind Harvesting Electrical Energy Conversion

**Award** Student(s) **Dylan Pueschel** Grade 12 Town Hebron  
**John Watrous** Grade 12 Town Hartford

- \* Lockheed Martin Physical Sciences Awards --- 2nd Place - Physical Sciences Senior High Team- \$300(split) & Plaque
- \* CASE • The Jackson Laboratory Urban School Challenge Awards --- 4th Place High School - Plaque, Medallion
- \* EnergizeCT Future Sustainability Awards --- 1st Place High School - \$500 and Plaque
- \* Raytheon Corporation Awards --- \$500, Plaque
- \* GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place HS Future Sustainability with \$700 stipend