



Connecticut Science & Engineering Fair

Quinnipiac University

March 9 - 14, 2020

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

Final Judging Results

Applied Technology Awards

Award Legend

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

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

Middle School

5508 P8 The Pathfinder: a mobile navigation system to enable people to safely and quickly evacuate large complex buildings.
Award 1 Student(s) Jasper Southam Grade 8 Town Shelton

- * Applied Technology Awards --- 1st Place Middle School - \$300 and Trophy, Medallion
- * Computer Science Awards --- 1st Place Middle School - \$300, Trophy

5513 P8 Producing Renewable Energy With Rainwater Gutter Systems Using Micro Hydro-Turbines
Award 2 Student(s) Elle Okoney Grade 8 Town BOZRAH

- * Lockheed Martin Physical Sciences Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy and Invitation Compete in Broadcom MASTERS
- * Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
- * Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- * Collins Aerospace Engineering Awards --- 2nd Place- Engineering MS- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * CT Architecture Foundation - The William M. Mack, AIA Award --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.
- * IEEE, Connecticut Section --- \$250 Honors Award -Junior
- * J.A. Augustine Award --- \$100 for excellence in physical sciences
- * Kathleen & David Smith Awards --- Kathleen & David Smith Award for Innovative Concept - \$100
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2

5027 P7 Communicaider App
Award 3 Student(s) Evan Poole Grade 7 Town Farmington

- * Applied Technology Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * Computer Science Awards --- 2nd Place Middle School - \$200, Trophy
- * Connecticut Academy of Audiology --- \$200 Award MS- For Excellence in Audiology and Acoustics, opport. to shadow an audiologist

5019 P7 Intelligent Rice Blast Disease Detector
Award m Student(s) Ann Song Grade 7 Town Farmington

- * Applied Technology Awards --- Middle School Finalist - Medallion
- * Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS



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5022 P7 Voice To Text Handwriting Replicator
Award m Student(s) Zachary Coleman Grade 7 Town Wilton

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

High School

6019 PS Texting-and-Driving Safety Device: Utilizing a Hydraulic Braking System Activated by a Touch-Sensor Steering Wheel to Increase Driver Engagement.
Award 1 Student(s) Noah Levi Grade 11 Town Wilton

- * Applied Technology Awards --- 1st Place High School - \$500 and Plaque, Medallion
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 9-12 project
- * Zepke Awards --- \$125 - For the Best Use of Electronic Circuitry- Senior High
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2
- * University of Connecticut Academic Excellence Scholarship --- Academic Excellence Physical Sci. scholarship - \$7,500 /year, four academic years- (\$30,000 total)

6007 PS Monitoring Infant Vital Signs Through a Car Seat Embedded Piezoelectric Sensor Network
Award 2 Student(s) Gianna Guzzo Grade 12 Town Suffield

- * CASE • The Jackson Laboratory Urban School Challenge Awards with IBM --- 3rd Place High School - \$ 300 and Plaque, Medallion
- * Applied Technology Awards --- 2nd Place High School - \$300 and Plaque Medallion
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 9-12 project
- * IEEE, Connecticut Section --- \$250 Honors Award -Senior
- * Jon Stone Memorial Award --- Jon Stone Award for Innovative Engineering- \$100
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2

6509 PST Optimization of Energy Production through Active Augmentation of Hydro-Turbine Body and Blade Design.
Award 3 Student(s) Avaneesh Sathish Grade 12 Town South Windsor
Nikhlesh Sivakumar Grade 12 Town Rocky Hill

- * Lockheed Martin Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Team- \$300(split) & Plaque
- * CASE • The Jackson Laboratory Urban School Challenge Awards with IBM --- 2nd Place High School - \$400 and Plaque, Medallion
- * Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion
- * GENIUS Olympiad --- GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2



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3501 LST Utilization of Micro-bubbles as a Catalyst for Flocculation of Polluted Water
Award m **Student(s)** Tristan Chang **Grade** 11 **Town** Greenwich
 Coulter Mackesy **Grade** 11 **Town** Bronxville

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

3094 LS Carbon Nanowire Lab-on-Chip as a Rapid, Inexpensive, Lyme Disease Detection System
Award m **Student(s)** Sofia Pronina **Grade** 11 **Town** Greenwich

- * PepsiCo / Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Applied Technology Awards --- Senior High Finalist - Medallion
- * Collins Aerospace Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion
- * Biophysical Society --- Biophysics Award- \$100

3085 LS Slide to Track Band
Award m **Student(s)** Katie Bergers **Grade** 9 **Town** Shelton

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

6084 PS RandGAN: Testing the Limits of Small Neural Networks
Award m **Student(s)** Aresh Pourkavoos **Grade** 11 **Town** Avon

- * Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Plaque, \$300 from People's United Bank
- * Applied Technology Awards --- Senior High Finalist - Medallion
- * Computer Science Awards --- 2nd Place High School - \$300, Plaque
- * Mu Alpha Theta --- Certificate, \$25 gift card given by CSEF