



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

People's United Bank Mathematics Awards with ATOMIC

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

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

Middle School

5547 P8 Image Recognition to Diagnose Lyme Disease

Award 1 Student(s) Khushi Parikh Grade 8 Town Danbury

- * Lockheed Martin Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
- * People's United Bank Mathematics Awards - with ATOMIC --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- Middle School \$300 / trophy
- * CASE • PepsiCo Urban School Challenge Awards with IBM --- 1st Place Middle School - \$300 and Trophy, Medallion
- * Computer Science Awards --- 2nd Place Middle School - \$200, Trophy and Medallion
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * Connecticut Academy of Science and Engineering Middle School Urban School Challenge Award --- Urban School Challenge 1st MS- \$250 Cash Award, Invite to attend CASE's Annual Meeting
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * Urban School Challenge 1st Place Middle School Awards --- Highest Placing 8th grader- GENIUS-Olympiad Competition -\$500 travel stipend
- * GENIUS Olympiad --- GENIUS Olympiad Competition for Highest Placing USC 8th grade Project
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics

5031 P7 A computer can use machine learning to teach itself to be as good or better at blackjack than the experts.

Award 2 Student(s) C. Brooks Harris Grade 7 Town Greenwich

- * Lockheed Martin Physical Sciences Awards --- 4th Place- Physical Sciences 7th Grade Ind. - trophy and Invitation Compete in Broadcom MASTERS
- * People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place Middle School- \$100 from ATOMIC, and Trophy, \$200 from People's United Bank
- * Computer Science Awards --- 1st Place Middle School - \$300, Trophy and Medallion

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



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5535 P8 Using Robotics for Investigating Underwater Habitats
Award m Student(s) Morgan Tainter Grade 8 Town Gilman

- * People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Computer Science Awards --- Middle School Finalist - Medallion
- * UTC Aerospace Systems Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash
- * Barker Mohandas Awards for Transportation Research --- \$100 Cash & Plaque for Excellence in Transportation Related Research- Middle School
- * Leask/Francoeur Family Awards --- 1st Place Middle School- For innovation electrical engineering or computer science - \$200 cash
- * Dreams Unlimited Award --- \$100 Cash Award + Certificate

High School

3062 LS Using a Machine Learning Algorithm to Predict if a Breast Tumor is Malignant or Benign
Award 1 Student(s) Aniruddha Murali Grade 11 Town Westport

- * People's United Bank Mathematics Awards - with ATOMIC --- 1st Place High School- \$150 from ATOMIC, Plaque, \$500 from People's United Bank
- * Computer Science Awards --- 3rd Place High School- \$200, Plaque, Medallion
- * Intel Excellence in Computer Science Award --- \$200 & certificate
- * U.S. Metric Association --- Certificate & \$25 Amazon gift card given by CSEF
- * Mu Alpha Theta --- Certificate, \$25 Amazon gift card given by CSEF

6067 PS Noise Removal Analysis Using Proposed LPF(Low Pass Filter) and Windows
Award 2 Student(s) Se Ri Lee Grade 11 Town Wallingford

- * People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Plaque, \$300 from People's United Bank
- * Mu Alpha Theta --- Certificate, \$25 Amazon gift card given by CSEF
- * IEEE, Connecticut Section --- \$250 Honors Award -Senior



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3049 LS Use of Regression Analysis to Predict Future Outbreaks of Malaria
Award 3 **Student(s)** Jamison Meindl **Grade** 10 **Town** Riverside

- * People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place High School - Plaque, \$200 from People's United Bank
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Computer Science Awards --- Senior High Finalist - Medallion
- * Future Sustainability Awards - Eversource /energizeCT --- High School Finalist - Medallion
- * Mu Alpha Theta --- Certificate, \$25 Amazon gift card given by CSEF
- * American Society for Quality - Thames Valley Section --- \$250 Cash Award
- * Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

6083 PS Options Pricing Models Using Machine Learning
Award m **Student(s)** Srihita Mediboina **Grade** 12 **Town** Fairfield

- * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Mathematics

6071 PS A Study on the Alternative Space Filling Curve
Award m **Student(s)** Jae Hyung Lee **Grade** 10 **Town** Windsor

- * Lockheed Martin Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion

6018 PS The Consonance of Alternative Tuning Systems
Award m **Student(s)** Aresh Pourkavoos **Grade** 9 **Town** Avon

- * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion
- * Computer Science Awards --- 2nd Place High School - \$300, Plaque, Medallion
- * Intel Excellence in Computer Science Award --- \$200 & certificate
- * U.S. Metric Association --- Certificate & \$25 Amazon gift card given by CSEF
- * Leask/Francoeur Family Awards --- 1st Place High School- For innovation electrical engineering or computer science - \$200 cash