



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

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

Avon Talcott Mountain Academy Dr. Jessica Lodwick

2035 L7 Do Algorithms Dream of Electric Trees?

Award 1 **Student(s)** Aresh Pourkavoos **Grade** 7 **Town** Avon

- * People's United Bank Mathematics Awards - with ATOMIC --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank
- * Xerox Computer Science Awards --- 1st Place Middle School - \$300, Trophy and Medallion
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics

Avon Talcott Mountain Academy Dr. Jessica Lodwick

2548 L8 Using Artificial Neural Networks to Diagnose Prostate Cancer Malignancy

Award 2 **Student(s)** Zan Huang **Grade** 8 **Town** West Hartford

- * People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place Middle School- \$100 from ATOMIC, and Trophy, \$200 from People's United Bank
- * Xerox Computer Science Awards --- 2nd Place Middle School - \$200, Trophy and Medallion

Hebron RHAM Middle School Bob Clarke

2522 L8 Computer simulation if segregating students by classroom during lunch time during a viral outbreak will reduce the length of the viral outbreak and the number of students infected.

Award 3 **Student(s)** Isabelle Benson Clarke **Grade** 8 **Town** Marlborough

- * 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 --- 3rd Place- MS Life Sciences- \$150 / plaque
- * Xerox Computer Science Awards --- 3rd Place Middle School- \$100, Trophy, Medallion
- * Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$500 & trophy and Invitation Compete in Broadcom MASTERS
- * Leask/Francoeur Family Awards --- 1st Place Middle School- For innovation electrical engineering or computer science - \$200 cash

Meriden ACES Thomas Edison Middle School Susan Dalo

5503 P8 Tracking storage capacity on media discs

Award m **Student(s)** Kaitlyn Newman **Grade** 8 **Town** Middletown

- * People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award

Southington J.A. DePaolo Middle School Ms. Shea

5008 P7 Battle of the Loops

Award m **Student(s)** Faith Kosior **Grade** 7 **Town** Southington

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- * People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award
- * Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt
- * Dreams Unlimited Award --- \$100 Cash Award + Certificate



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

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

People's United Bank Mathematics Awards with ATOMIC

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

High School

Fairfield Fairfield College Preparatory School Deborah Kiel

6052 PS Application of Computer Vision in Pupil and Eye Center Tracking

Award **1** Student(s) **Hanson Mo** Grade 11 Town Fairfield

- * People's United Bank Mathematics Awards - with ATOMIC --- 1st Place High School- \$150 from ATOMIC, Plaque, \$500 from People's United Bank
- * Barnes Aerospace Applied Technology Awards --- 1st Place High School - \$500 and Plaque, Medallion
- * Xerox Computer Science Awards --- 1st Place High School - \$400, Plaque, Medallion
- * Intel Excellence in Computer Science Award --- \$200 & certificate
- * IEEE, Connecticut Section --- \$250 Honors Award -Senior
- * Skills21 at EDUCATION CONNECTION --- \$100 For innovative use of technology to advance science or engineering
- * Zepke Award --- \$200 - For the Best Use of Electronic Circuitry
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Mathematics
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics

Greenwich Brunswick School Dana Montanez

6037 PS Optimizing Efficiency of Urban, Track-based Rapid Transit Systems

Award **2** 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

Fairfield Fairfield College Preparatory School Mrs. Kiel

6058 PS On Analyzing Modern Quantum Computation

Award **3** Student(s) **Junlin Mo** Grade 11 Town Bridgeport

- * People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place High School - Plaque, \$200 from People's United Bank

Bridgeport Fairchild Wheeler Interdistrict Magnet Marilyn Pearson

6061 PS Determining whether or not the Quicksort is really the quickest

Award **m** Student(s) **Steven vanZyl** Grade 11 Town Trumbull

- * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award



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

People's United Bank Mathematics Awards with ATOMIC

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

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

Tolland Stonewall Academy Donald Peck

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

Award m **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