

CONNECTICUT SCIENCE FAIR ASSOCIATION, INC.
45 Coles Road, Cromwell, CT 06416
Frank LaBanca, EdD, Fair Director
director@ctsciencefair.org

www.ctsciencefair.org

Fall 2018

The Connecticut Science and Engineering Fair is the oldest and most prestigious STEM (Science, Technology, Engineering, and Mathematics) event in the State. It is my pleasure to invite your school to participate in the 2019 Fair at Quinnipiac University, Hamden, March 11-16. Celebrating our 71st year, the Fair's mission is to interest students in science and engineering careers. Fair projects typically examine problems and provide solutions to current environmental, medical, biological, chemical, engineering, and societal issues – no TV-personified, old-school volcanoes here! Previous top-performing Fair projects have caught the attention of major national research laboratories, garnered patents, resulted in start-up companies, and have been published in scientific, peer-reviewed journals. The Fair and its organizational committee is here to support experienced schools as well as those who might be “first timers”: we provide workshops for teachers and students, technical support online and by phone, and access to a network of practicing scientists and engineers.

2019 Highlights and Changes

- **PROJECT QUOTAS FOR SCHOOLS**– 10 Middle School and 15 High School
- **PROJECT REGISTRATION FEE INCREASE**– \$45 per project.
- **SATURDAY AWARDS CEREMONIES**– Finalist and Special Awards Ceremonies will be Saturday, March 16.
- **SCHOOL VISITS THIS YEAR**– Thursday, March 14, 9:00 am to 1:30 pm .
- **PUBLIC VIEWING**– Thursday, March 14, 1:30 pm to 8:00 pm.
- **URBAN SCHOOL CHALLENGE**– The top winning public high school project, from eligible public schools will compete in the Intel International Science and Engineering Fair. Top placing 8th grade project will compete at GENIUS Olympiad.
- **NINE SPECIAL CATEGORIES**– Biotechnology, Alternative/Renewable Energy, Applied Technology, Computer Science, Engineering, Environmental Science, Mathematics, Future Sustainability, and Women In Science & Engineering.
- **\$207,000 IN AWARDS**– We expect more than 400 awards will be presented at the Fair by its Category and Special Award Sponsors.
- **INTERNATIONAL COMPETITIONS**–Seven top winning high school projects, either individual or team, will compete in the Intel International Science and Engineering Fair (ISEF) Phoenix, Arizona in May. High school finalists and one eighth grade project will be awarded the opportunity to compete at the GENIUS Olympiad, Oswego, New York in June.
- **BROADCOM MASTERS**– Top winning middle school students in all categories will be given invitations to compete.
- **WORKSHOPS**– Check our website for Fall and Winter workshops for teachers and students.

Register on-line at <http://www.ctsciencefair.org> Regional Fair allocations are handled on a case-by-case basis. Deadline for school registration is October 30. There is a \$45 per project non-refundable registration fee due at the time of registration. Your school need not have a science fair to send students to the CSEF.

Refer registration questions to:

School Registration:

Dr. Jack Solomon, School Registration Chair
schoolreg@ctsciencefair.org

Project/Student Registration

Mrs. Evelyn Brown, Project Registration Chair
registrationhs@ctsciencefair.org

Fair information is updated frequently on our website at www.ctsciencefair.org. A wealth of information and resources can be found there.

We look forward to seeing you and your students at the Fair.

For the Fair Committee,

Frank LaBanca
Fair Director



**71st Anniversary Year
Fair Week
March 11 – 16, 2019**

MANDATORY ATTENDANCE

Student Must Be Present

- **Urban School Challenge- Preliminary Judging Interviews**
11:00 AM to 6:30 PM, Monday, March 11 – Allow 1 hour
Check-in, setup, judging interviews take approximately 1 hour.
Come at a time that is best for you.
- **Wednesday, March 13 – If you are a Finalist- 8:30 AM to 1:15 PM**
- **Saturday, March 16 – If you are a Finalist or Special Awards Winner**

To Receive a T-Shirt

Come and check-in anytime
12:30 PM to 7:00 PM, Monday, March 11,
Check-in and setup takes approximately 1 hour.
Come at a time that is best for you.

If your project is set up by another person, this person should be able to answer any rules and safety questions or establish phone contact with you for discussions with the rules and safety committee if the need arises.

Saturday Awards Ceremonies

If you are chosen as a Finalist or Special Awards winner, award ceremony attendance is mandatory. Failure to attend may result in forfeiture of award. Exemptions are granted for religious observances and special circumstances.

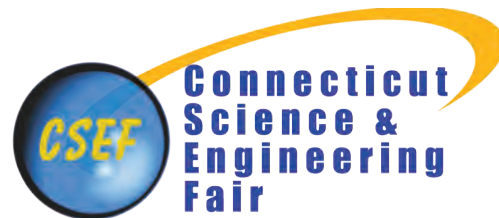
Excused absences for special circumstances will be considered if the request is emailed to the Fair Director by no later than 6:00 PM, Saturday, March 9. Email to: director@ctsciencefair.org

Family vacations, previous social commitments, and ski trips are not considered extraordinary circumstances.

For Weather Postponements:

Channel 3 WFSB-TV, Channel 8 WTNH, CSF www.ctsciencefair.org
or fair week phone 203-582-3361

2019 REGISTRATION



School Registration

- Only on-line school registrations are accepted. To register go to: <http://www.ctsciencefair.org>
- School and affiliated fair registration closes October 30.
- Registrations will be accepted on a first-come, first-served basis. \$45 per project registration.
- The number of registrants for each school is limited to: 10 per middle school, 15 per senior high school, or combined middle-senior high schools may enter under both categories accordingly. Assigned quotas will be reviewed at the end of November.

Send Registration Payment to School Registration Chair:

Dr. Jack Solomon, 11 Old Marlborough Road, East Hampton, CT 06424
Phone: 914-309-3904 • schoolreg@ctsciencefair.org

Project/Student Registration

- Students from schools not affiliated with the fair and home school students can register directly so long as their online registration is submitted by Oct. 30.
- Student online registration includes: Student/Project Registration, Research Plan, Release Form, and any required forms for: hazardous chemicals or activities; human; vertebrate; and potentially hazardous biological research.
- Schools may be granted additional registrants at the discretion of the registration chairman.
- Students may compete in only one Intel International Science and Engineering-affiliated fair except when proceeding to the state fair from an affiliated fair as a finalist.
- High school students must register their projects with the Fair as soon as they select their project and by no later than December 1.

Exception: High Schools and local fairs having a Scientific Review Committee and registered with CSEF may request an extension that is no later than 10 days after their fair and prior to Feb 15. Send an email to registrationhs@ctsciencefair.org confirming your fair date and agreeing to review all projects in advance and submit any requiring prior approval to the CSEF Scientific Review Committee by Dec. 1. This must take place before research begins (unless the research is conducted in a registered research institution setting) or the students will be disqualified. Fairs having Scientific Review Committees in place should contact the Registration Chairman for instructions.

- **Non EZ Path Middle School Projects** must register online by no later than Dec. 1. This will allow for the required SRC approval **prior** to the start of research as required by fair rules and avoid disqualification.
- EZ Path Middle school project online registration must be received within ten business days of the school fair and by no later than February 15.
- All project abstracts must be submitted online by no later than March 1.
- No registrations will be accepted after 8:00 P.M. Feb. 15 under any circumstances!

All affiliated school fairs must be conducted by Feb. 15.

Send completed project/student release forms and required research forms to Project Registration Chair by uploading PDFs when student registers:

Mrs. Evelyn Brown, Registration Chair
registrationhs@ctsciencefair.org

2019 CONNECTICUT SCIENCE & ENGINEERING FAIR REGISTRATION DEADLINES

October 30	Last day to submit school registration on-line.
October 30	Students unaffiliated with schools: Submit on-line registration with research plan to Registration Chairman.
December 1	High school students (See Below*) on-line registration deadline.
December 1	All Non-EZ Path Middle School projects must register on-line . This will allow for the required Scientific Review Committee approval prior to the start of research as required by fair rules and avoid disqualification.
February 15, 8:00 PM	Online student registration including research plan and release form due from registered schools. No registrations will be accepted after this deadline.
February 15	All affiliated school fairs must be conducted prior to Feb. 15. Schools conducting Fairs near this deadline must insure that the on-line registrations and release forms for the students chosen to compete at CSEF are received by Registration by this date.
March 1, 8:00 PM	Project abstracts must be submitted on-line by this deadline.
March 11, 7:30 PM	Project check-in completed and signed off by display and safety committee. Hall doors locked at 7:30 PM.

* High Schools and local fairs having a Scientific Review Committee approved by CSEF may request an extension beyond Dec. 1. that is no later than 10 days after their fair and prior to Feb. 15. Send an email to registration@ctsciencefair.org confirming your fair date and agreeing to review all projects in advance and submit those requiring prior approval to the CSEF Scientific Review Committee by Dec. 1. Approval must take place before research begins or the project is ineligible to compete. Exception is for research conducted in a registered research institution setting. Fairs having Scientific Review Committees in place should contact the CSEF Registration Chairman for instructions.

THESE DEADLINES ARE FIRM!

THERE WILL BE NO EXCEPTIONS FOR SCHOOL VACATIONS. PLEASE PLAN AHEAD!

Refer School Registration questions to:

Dr. Jack Solomon,
School Registration Chair
11 Old Marlborough Road,
East Hampton, CT 06424
Phone: 914-309-3904
schoolreg@ctsciencefair.org

Refer Project Registration questions to:

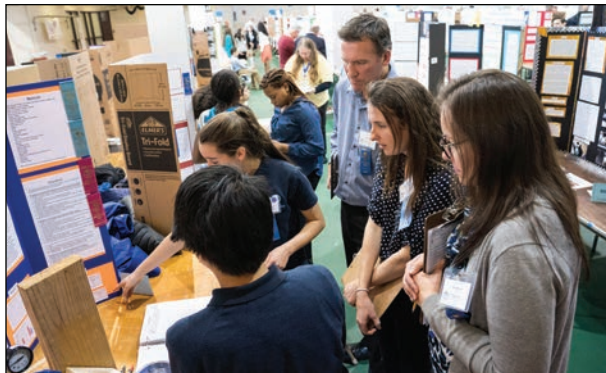
Mrs. Evelyn Brown
Project Registration Chair
registrationhs@ctsciencefair.org



Fair Week Highlights



Project Setup- Checking Display Rules



Finalist Judging



Awards Ceremonies



Top High School Winners receiving all-expense paid travel to compete at the Intel International Science & Engineering Fair

2018 Fair Statistics

109 Schools
 464 Projects
 603 Students
 319 Female
 284 Male
 \$207,747 in awards
 105 Award Sponsors



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 45 Coles Road, Cromwell, CT 06416
 860-635-1139
 a Connecticut nonprofit organization
www.ctsciencefair.org

71st Connecticut Science & Engineering Fair

March 11 – 16, 2019
 Quinnipiac University
 Hamden



Open to students grades 7 through 12

Gateway to

- Intel International Science and Engineering Fair
- Broadcom MASTERS
- GENIUS Olympiad
- Stockholm Junior Water Prize

An all-volunteer Connecticut non-profit organization

An affiliate fair of the Intel International Science and Engineering Fair

www.ctsciencefair.org



History

The Connecticut Science Fair Association, Inc. is a nonprofit educational organization that serves the youth of Connecticut by providing opportunities for recognition for those whose interests are in the scientific and engineering disciplines. The fair began in 1949 as the Northern Connecticut Science Fair through the interest of science teachers and business leaders spearheaded by then education editor of The Hartford Times, Albert I. Prince. A non-profit corporation was formed in 1959 to raise funds for the fair's continuation when the newspaper was no longer able to sponsor the fair. In 1963 the fair was restructured to serve the entire state when a fair in southern Connecticut ceased operations. Mr. J. Randolph Gibson, a middle school teacher at Hartford's Kennelly School, was instrumental in the continuation of the fair.

Mission

Our mission is to interest young people in careers in science and engineering through recognition for their achievements and by providing opportunities for them to interact with engineers and scientists.

Our venue is a meeting ground for those interested in research, engineering, and mathematics. We stress the formalism of scientific and engineering methods. Strong communication skills are fostered by the science fair through the verbal and written elements of the competition.

Program

The Connecticut Science Fair provides a yearly, statewide science and engineering fair open to all 7th through 12th grade students residing, or enrolled, in Connecticut schools and several New York towns. Connecticut Science Fair is a charter member of the International Science and Engineering Fair, an activity of The Society for Science & The Public, Washington, D.C.

We are an all-volunteer organization, with funds directed to students awards, fair operation, student/teacher workshops, educational presentations, and participation by our winners in international science and engineering competitions. More 400 awards and over \$200,000 in awards and scholarships are given.

Participation

Over 130 schools, 50 school fairs, and two regional fairs feed our state fair. Students from Connecticut and Fishers Island compete for the 600 openings at our state fair. Each year we provide our top winners opportunities to participate in the International Science and Engineering Fair, GENIUS Olympiad, Broadcom MASTERS, and other national and international competitions.

Entering The Fair

Schools

Teachers and advisors can register their school or school science fair. If a school registers, it has the responsibility to select the projects/students that will compete at our state fair. The school need not conduct a science fair.

- To be eligible, schools must register by October 30 and meet the other dates listed below. On-line school registration is available at www.ctsciencefair.org. Only on-line school registrations are accepted.
- A non-refundable registration fee of \$45 per project must accompany the registration.
- Registration will be accepted on a first-come, first-served basis.
- The number of registrants for each school is limited to: 10 middle and 15 senior high school. Combined middle/senior high schools may enter under both categories accordingly. Assigned quotas are reviewed and adjusted at the end of November.
- All high school students must register with the state fair as soon as they select their topic and by no later than December 1.
- All school science fairs sending finalists to the Connecticut Science Fair must be conducted by February 15. ALL student project registrations must be received by 8 PM, February 15.

Student Direct Registration

Students from schools not choosing to register with the Fair and Home School students can register directly. Completed on-line registration forms and \$45 registration fee must be received by October 30. Contact Registration prior to registering as an unaffiliated student.

Registration Fee

\$45 for each registered project. There are no other fees.

For Registration Questions

Mrs. Evelyn Brown, Registration Chairman
registrationhs@ctsciencefair.org

Register On-Line At:
www.ctsciencefair.org

Categories & Awards

Presenting Sponsor

United Technologies Corporation

Major Category Sponsors

Alexion Pharmaceuticals
Connecticut Academy of Science & Engineering
Lockheed Martin
Urban School Challenge – Connecticut Academy of Science and Engineering, PepsiCo and IBM

Special Category Awards

Environmental Science
Applied Technology– Barnes Aerospace
Alternative/Renewable Energy
Future Sustainability
Genomics Awards- The Jackson Laboratory
Mathematics– People's United Bank with ATOMIC
Engineering– UTC Aerospace Systems
Engineering, Science, Mathematics– United Technologies
Computer Science

Education / Professional Associations

ATOMIC (Associated Teachers of Mathematics in CT) Mathematics Awards
Connecticut Association Physics Teachers
Connecticut Invention Convention
Connecticut Science Supervisors Association
Connecticut Science Teachers Association's Marty Tafel Student Research Awards
Connecticut Academy of Science and Engineering- H. Joseph Gerber Medal of Excellence, with CCAT
Quinnipiac University
University of Connecticut
University of Hartford
University of New Haven

Special Awards

More than 247 awards from more than 100 professional societies, organizations, and alumni

Become a Sponsor

Contact: **Sandra Müller, Fair President**
860-635-1139
president@ctsciencefair.org