

**9th LISEF
Broadcom MASTERS Middle School
Science Fair 2019**



Regional Affiliate of

**Society for Science and the Public's
INTEL International Science and Engineering Fair**

Guidelines and Registration

LISEF Contact Information

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(631) 427-6428

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Mailing Address

LI Science and Engineering Fair, Inc.
998 Old Country Road STE C PMB 164
Plainview, NY 11803

Fair Directors: Starlyn O'Shea & Bryan Horan

**Regional Rules, Guidelines and Registration for
the LISEF Broadcom MASTERS Middle School Science Fair
2018 - 2019**

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Important Dates

LISEF Broadcom MASTERS Middle School Science Fair
Thursday, March 14th 2019,
8 a.m. - 4 p.m.
Crest Hollow Country Club
8325 Jericho Tpk., Woodbury, NY 11797
(516) 692-8000

November 1, 2018– Liaison and Student Registration Opens on Website

January 23, 2019– 11:59 p.m. – Teachers’ Online Application Deadline

January 30, 2019 - Latest date LISEF will mail Middle School Fair Invoices

March 7, 2019 – Receipt of Payment Deadline

March 14, 2019 –Broadcom MASTERS Middle School Science Fair

March 14, 2019 – Awards Ceremony

Mission Statement

“Our mission is to promote excellence in scientific inquiry and discovery in LI schools.”

Important Websites

- www.lisef.org
- Broadcom MASTERS home page <https://student.societyforscience.org/broadcom-masters>
- The International Rules and Guidelines for Science Fairs is available on the Society for Science and the Public website: <https://student.societyforscience.org/broadcom-masters>

Ethics Statement

Scientific fraud and misconduct are not condoned at any level of research or competition. Such practices include plagiarism, forgery, **use of electronic equipment during judging to obtain information relevant to your project**, use or presentation of other researcher's work as one's own and fabrication of data. Fraudulent projects will be ineligible for consideration of becoming a Broadcom Masters Regional Nominee.

General Eligibility for the LISEF Broadcom MASTERS Middle School Science Fair

- Each school must have a school liaison
- Research may be done over a maximum of 12 continuous months between January 2018 and May 2019.
- **All** students (including all members of a team) must be affiliated with a Nassau or Suffolk County educational institution (a home schooled individual/team should follow the instructions contained in this document.)
- Student must be enrolled in Grade 6 - 8.
- A team may consist of 2 or 3 members from the same school district.
- Each project must satisfy all of the Intel ISEF rules and LISEF rules that apply.
- In lieu of submitting ISEF Forms, principals and liaisons will be asked to sign and submit the Verification Certificate, on pages 9-10, that the project complies with both the LISEF and ISEF guidelines. **(please print back to back) **Please pay extra attention to the ISEF rules for Human subjects, Potentially Hazardous Biological Agents and vertebrate animals as these require extra supervision and/or approvals.**
- The maximum number of projects per school is 10.
- **A school that submits 1 – 4 MS projects must provide one judge; schools that enter 5-8 MS projects must supply 2 judges and those that enter 9-10 projects must bring 3 judges. The teachers acting as judges must register the day of the fair PRIOR to checking in their students; if you fail to bring the correct number of judges your school may not compete.**
- Every registered student and every teacher that attends must complete a [Media Release Form](#).

Home Schooled Students Additional Requirements

- The parent/guardian of the student wishing to present research at any of LISEF Inc.'s three fairs will act as the liaison.
- Once initial page of online registration is completed with contact information, the registration process is automatically suspended until Proof of Home Schooling is received, at which time you will be notified and your registration may be completed. It is essential that obtaining Proof of Home Schooling be completed in a timely manner to facilitate completion of registration by the close of registration deadline.
- Proof of Home Schooling: The parent/guardian acting as the liaison must request that the Nassau or Suffolk school district in their community have their Pupil Personnel Office send a copy of the letter in which the school district approved the student's Individual Home Instruction Plan (IHIP) for the current school year to LISEF; this letter and/or an attachment made by the school district must define the grade level of the course of study. A copy from the parent is not sufficient.
- The parent pays the required fees per child that is a member of a registered project; the student cannot compete if this is not received by the published deadline. The parent should use the Direct Payment Form although it is designed for schools; write 'home school' where asked for School Name, parent information everywhere else except we do need the name of the school district in which you reside.
- The home-schooled student may enter only one project that covers research done over a maximum of 12 continuous months between January 2018 and May 2019.
- The home-schooled student's project must satisfy all of the Intel ISEF rules and LISEF rules that apply and complete all of the appropriate ISEF forms.
- If the student's project is done in a Registered Research Institution, the LISEF SRC/IRB will sign any of the forms that require a local SRC signature once the student has completed their research as long as proof that all of the required prior reviews were conducted at the university. If the student's project is done in any place other than a Registered Research Institution, the student must seek prior reviews from the LISEF SRC/IRB.
- Home-schooled projects will not affect the Maximum Allocation granted to any school in that student's community.
- Since most students, enrolled in a public/private school on Long Island that participates in LISEF, compete internally for the right to present at LISEF fairs, LISEF, Inc. expects that projects submitted to its fairs are of a high caliber and reserve the right to deny participation to a home-schooled project that is below LISEF, Inc.'s standards. LISEF, Inc. will review the submitted Research Plan and Abstract to determine if the project is eligible to compete. Although a project is unable to compete in one fair, it might be deemed eligible for one of the other LISEF affiliated fairs. If a project is ineligible for a fair, and a fee has been paid, that fee is refundable.
- The home-schooled student and parent that attend any of the three fairs must complete a [Media Release Form](#)

Judging

Each project will be judged 3 times. The judges in each category will be middle school and high school teachers in the appropriate discipline.

Awards

1st Place Awards: As an SSP affiliated fair, we are allowed to nominate 10% of the number of students registered at our regional level to attend the Broadcom MASTERS national competition. Once nominated, the selected students must complete an application explaining their science project and demonstrating their use of STEM principles.

2nd Place Awards: 8% of the students will qualify

3rd Place Awards: 7% of the students will qualify

Honorable Mention Awards: 7% of the students will qualify

You MUST be present at the award ceremony to receive an award.

Online School Liaison Registration

1. Submit the name of one liaison for EACH school. If this person is the same person for more than one LISEF sponsored fair, they can register for all at the same time. This person is responsible for completion of the Verification Certificate, for up to 10 projects, submitted by the school attesting that all of the LISEF and ISEF rules have been adhered to.
2. To complete the registration for your school, you will need the following information:
 - a. Liaison: The Liaison's name and contact information
 - b. School: The information about the school including address, principal's name and email address, method of payment, accounts payable contact number
 - c. Judges: Name of teacher(s) judging the LISEF Broadcom MASTERS Middle School Fair, and their lunch type preferences. You must provide one judge for every 4 projects or part thereof. For example, 6 projects require 2 judges.
 - d. Projects: Project Title and 150 word short description of each project. This description should address the following 3 questions:
 1. What did the student (s) discover/build?
 2. How was this accomplished?
 3. What were the outcomes?
 - e. Students: For each project, the names of the students must be submitted, their genders, grade levels and their lunch type preferences (pull-down menu: normal, kosher, vegetarian, gluten free).
3. After submission is accepted, you may re-enter to edit, or add projects until the close of registration date, January 23, 2019.

Day of Broadcom MASTERS Middle School Science Fair Info

1. Liaisons will register accompanying teacher judges at the registration desk after which they will be able to register their MS Research projects. A school must provide 1 judge for 1 – 4 projects, 2 judges for 5 – 8 projects and 3 judges for 9 – 10 projects. **Schools without the correct number of teacher judges will not be allowed to participate.**
2. Upon your arrival at the Registration Table, submit the Media Release Forms for each student and teacher attending and one Verification Certificate that includes each project (both forms are at the end of this document)
3. Prepare a presentation of no more than seven (7) minutes, and be prepared for a question and answer session of five (5) minutes. It is the judge's discretion to allow you to do a formal presentation. The MS Research Fair will have 3 rounds of judging.
4. Schools are required to provide a district employee to act as a chaperone on site during the entire competition and awards programs. This may be the school liaison or other teacher judge.

Broadcom MASTERS National Competition

1. Receive a nomination from your regional fair
2. Complete an application explaining your science project and demonstrating your use of STEM principles. Teammates each must complete the application. Students can compete at the Broadcom MASTERS even if their teammates choose not to accept the nomination and complete the application.

Registration Fees

1. If paying by check, the entry fee is \$45 for each student, individual or team member.
2. If paying through BOCES, the fee is \$50 per student; this cost is inclusive of the BOCES administrative fees.
3. Fees are not refundable.
4. Payment:
 - Purchase Orders will not be accepted* however you may want to consider encumbering the funds early in the school year.
 - To pay directly, send to the LISEF mailing address:
 1. **One** check per school to cover all of the school's registered students
 2. **One** copy of the LISEF Middle School Direct Payment Form
 3. **One** copy of the LISEF invoice, including the page with student names.
 - To pay through BOCES, send to the LISEF mailing address:
 1. **Two** copies of the completed and signed MS BOCES Participation form
 2. **One** copy of the LISEF invoice, including the page with the student list.
- NOTE: **Do not send these forms to BOCES.**
- Cross contracts, if needed, should be sent to the school's BOCES district. **If Eastern Suffolk BOCES does not receive the Cross Contract in a timely manner, you must pay directly.**
- Fees (or BOCES Forms) must be received no later than **March 7, 2019**.
- Send your Direct Payment (with check) or BOCES documents to:

L. I. Science and Engineering Fair, Inc.
998 Old Country RD STE C PMB 164
Plainview, NY 11803

*Contact treasurer@lisef.org for questions with billing procedures.

5. Schools are subject to penalties on their registration numbers if the district fails to pay for every student registered in the Middle School LISEF Fair. If a school does not meet their financial commitment the school's allotment will be reduced by 50% for the following year and only increased by one slot each subsequent spot each year until the original allotment is reached.



LISEF MS Fair 2019 DIRECT PAYMENT FORM

School Year 2018 - 2019

School Name _____

School Address _____

School/District Contact Person _____

School/District Contact Person Email _____

School Telephone _____

School District Name _____

Fee @ \$45/student for LISEF's Broadcom MASTERS Middle School Fair

MS: Number of Registered **Students** _____ @ \$45/student

Total Fee \$ _____

The following items must be **received** by **March 7, 2019**:

- One copy of this form
- One copy of all pages of the LISEF INVOICE
- **CHECK**(full payment) made out to LI SCIENCE and ENGINEERING FAIR, INC

**SEND TO: L. I. Science and Engineering Fair, Inc.
998 Old Country Road STE C PMB 164
Plainview, NY 11803**

School Districts that do not submit checks or BOCES Forms by March 7, 2019 will be ineligible for LISEF's Broadcom MASTERS Middle School Fair 2019.

LONG ISLAND SCIENCE & ENGINEERING FAIR, Inc.



LISEF MS Fair 2019 BOCES PARTICIPATION FORM

School Year 2018– 2019

School Name _____

School Address _____

School/District Contact Person _____

School/District Contact Person Email _____

School Telephone _____

School District Name _____

Fee @ \$50/student for LISEF's Broadcom MASTERS Middle School Fair

MS: Number of Registered **Students** _____ @ \$50/student

Total Fee \$ _____

Superintendent Signature _____ Date _____

Eastern Suffolk BOCES will bill the school district for the Total Fee, which is inclusive of their administrative costs. The Total LISEF Fees will be eligible for BOCES aid, at the district aid ratio.

The following items must be **received** by **March 7, 2019**:

- Two copies of this form
- One copy of the BOCES Invoice with names included

**SEND TO: L. I. Science and Engineering Fair, Inc.
998 Old Country Road STE C PMB 164
Plainview, NY 11803**

School Districts that do not submit checks or BOCES Forms by March 7, 2019 will be ineligible for LISEF's Broadcom MASTERS Middle School Fair 2019.

School Districts that do not belong to the Eastern Suffolk BOCES District must file a Cross Contract with their local BOCES district. To obtain information about the Cross Contract form and/or copies of the Cross Contract form, contact your local BOCES district. One copy of the Cross Contract Form must be mailed directly to your local BOCES district. **Do not mail cross contracts to LISEF, Inc.** If Eastern Suffolk BOCES does not receive the Cross Contract in a timely manner, you must pay directly.

LONG ISLAND SCIENCE & ENGINEERING FAIR, Inc.

LISEF Media Release Form



Submit one release form per student at Round 1 (Round 2 if JV or Middle School) and one per adult attending either round if the adult did not give permission during registration. Adults should enter the word ADULT in the Project Code designation.

Participant's Name (Please Print)	Project Code
School	

PARENTS/ADULTS- PLEASE READ THE FOLLOWING IN ITS ENTIRETY BEFORE YOU SIGN:

No guests/observers (this included but is not limited to school administrators, mentors, classmates, relatives and/or friends) are permitted inside any presentation rooms, or the awards ceremony held at the Crest Hollow Country Club the day of LISEF, LISEF JV or Broadcom MASTERS. If guests/observers come the day of the fairs, they will be asked to leave the building.

- I/We, the parents and/or guardian of the above named participant, agree that the said participant and participant's project may be photographed, filmed, or taped and that LISEF, Inc. may use such media and/or the participant's name and project description in connection with LISEF and the promotion of LISEF, Inc. and that we will not make any claim for invasion of privacy or any other legal right in connection with such uses by LISEF, Inc.

OR

- As an accompanying adult, I agree that LISEF, Inc. may use any media that contains my photograph in connection with LISEF and the promotion of LISEF, Inc. and that I will not make any claim for invasion of privacy or any other legal right in connection with such uses by LISEF, Inc.

Adult or Parents and/or Guardian Name _____
(Please Print)

Adult or Parents and/or Guardian Signature _____

Date _____



LISEF MS Research Fair Verification Certificate (2 pages- Print on both sides of one page)

School District	
Superintendent of Schools	
School Name	
School Principal Name	
School Street Address	
Town, State & Zip	
School Liaison Name	
School Liaison Telephone	School Liaison e-mail
Adult Sponsor Name	

We certify that the projects listed on this form are in compliance with all LISEF and ISEF Guidelines and all federal and state laws and regulations and that all appropriate SRC/IRB reviews and approvals have been obtained.

Liaison Signature	Principal Signature
Date	Date

Submit at Registration Desk on Day of Fair; one Certificate is required for each school.

Names of Judges:

1-4 projects: _____

5-8 projects: _____

9-10 Projects: _____

Maximum number of projects is 10

Please Print pages 10 and 11 Back to Back

LONG ISLAND SCIENCE & ENGINEERING FAIR, Inc.

Title of Project 1	Title of Project 2
Name(s) 1	Name(s) 2
As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>	As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>
Title of Project 3	Title of Project 4
Name(s) 3	Name(s) 4
As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>	As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>
Title of Project 5	Title of Project 6
Name(s) 5	Name(s) 6
As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>	As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>
Title of Project 7	Title of Project 8
Name(s) 7	Name(s) 8
As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>	As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>
Title of Project 9	Title of Project 10
Name(s) 9	Name(s) 10
As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>	As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>
Title of Project 11	Title of Project 12
Not available 2019	Not available 2019
Name(s) 11	Name(s) 12
Not available 2019	Not available 2019
As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>	As a part of this Research Project, the student(s) directly handled, manipulated, or interacted with (Check all that apply): <i>Human Subjects</i> <input type="checkbox"/> <i>Vertebrate Animals</i> <input type="checkbox"/> <i>Potentially Hazardous Biological Agents:</i> <i>Microorganisms</i> <input type="checkbox"/> <i>rDNA</i> <input type="checkbox"/> <i>tissue</i> <input type="checkbox"/>

Maximum number of projects is 10