



INSPIRED TO CHANGE
OUR WORLD.

Date: Fall 2011

To: Intel ISEF Affiliated Fair Directors

From: Michele C. Glidden, Director
Science Education Programs

RE: Regional Award Mailing

Thank you for affiliating with Society for Science & the Public for the Intel International Science and Engineering Fair 2012. We look forward to a busy science fair season and a wonderful Intel ISEF 2012 in Pittsburgh, Pennsylvania.

This packet of materials contains the many awards provided by special award organizations to provide to our regional and state science fairs. With the new allocation system, we have attempted to provide multiple packets relative to the size of your fair as supply allows (using 4 or more Intel ISEF project allocations as an indicator to receive a second packet.) We hope these awards, in addition to those provided by your science fair, will provide incentives and reward to students entering your science fair.

We ask that you read through the materials carefully and do your best to award them according to the instructions provided by the special award organizations. Many of the awards are now being managed online and we would encourage you to use our online index found at http://apps.societyforscience.org/affiliated_fairs/ on our website and click on the "Regional Award Information" button. This provides a comprehensive index of the regional awards and the process to fulfill and claim each award. We hope this will help in organizing and completing the required paperwork for each award.

Our best wishes on holding a successful science fair.



INSPIRED TO CHANGE
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Memorandum

To: International Fair Directors
From: Sharon Snyder, Intel ISEF Manager of International Fairs
Date: Fall 2011
Re: Regional and Special Awards for International Fairs

We are delighted that you have affiliated for the 2012 Intel International Science and Engineering Fair (Intel ISEF) in Pittsburgh, Pennsylvania. The enclosed materials are the special awards provided to your fair as part of your affiliation with the Society for Science & the Public. These materials are to be distributed at the conclusion of your fair as prizes and recognition to your student winners.

PLEASE DO THE FOLLOWING TO AVOID FUTURE PROBLEMS:

- Please open and review the description sheet for each award carefully to become more familiar with the requirements and details to judge, present and receive the award(s).
- Complete and return information to award organizations requiring a response or request for further materials as soon as possible. If you delay responding to those organizations that require pre-notification, you may jeopardize being able to provide the award and may cause complications for the award donor.
- The special award organizations provide a limited supply of each award; so please do not misplace this mailing. If our tracking information provides evidence that the package was received at the address provided to us via your affiliation, a charge of \$50.00 will be assessed for mailing a second package (if supplies remain after fulfilling all affiliated fairs).

ONCE THE AWARD RECIPIENTS HAVE BEEN DETERMINED:

- Please fill out the acceptance forms for each award, giving as complete information as possible and authorizing the winners as necessary.
- In order to expedite processing of the award, please mail directly to the address given on each sheet. (Please do not email or fax to Society for Science & the Public unless instructed to do so.)
- Please give your student winner's complete information and be sure they understand the requirements/paperwork to process their award.

We wish you the best for a successful science fair this coming year. If you have any questions about the materials in this mailing, please do not hesitate to contact us:

Sharon Snyder
Email: ssnyder@societyforscience.org

Jinny Kim
Email: jkim@societyforscience.org



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REGIONAL AWARD ORGANIZATIONS INTEL ISEF AFFILIATED FAIRS

Enclosed please find the materials for obtaining Regional Awards for the winners of your Intel ISEF Affiliated Fair from the sponsoring organizations listed below:

American Meteorological Society

American Psychological Association

ASM Materials Education Foundation

Association for Women Geoscientists

Intel Excellence in Computer Science

MU Alpha Theta

Ricoh Americas Corporation

Society for In Vitro Biology

Yale Science and Engineering Association



AMERICAN METEOROLOGICAL SOCIETY

45 BEACON STREET, BOSTON, MA 02108-3693 U.S.A.

TEL: 617-227-2425
FAX: 617-742-8718
E-MAIL: amsinfo@ametsoc.org
WEB: www.ametsoc.org

KEITH L. SEITTER, EXECUTIVE DIRECTOR
E-MAIL: kseitter@ametsoc.org

Dear Fair Director:

We are happy to support your upcoming Intel ISEF affiliated science fair. Enclosed please find two Certificates of Outstanding Achievement for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences. The Certificates should be awarded to student projects in grades 9, 10, 11, or 12 unless exhibits in those grades are less meritorious than junior division exhibits.

If there is an AMS local chapter in your area, you may contact them regarding selection of winners, signing certificates, and presenting them to the winners. An AMS Chapter Directory complete with contact information may be found on the AMS Web site at <http://www.ametsoc.org/amschaps/index.html>. You may appoint a local meteorologist to act as a judge when it is not possible for a local AMS chapter to sponsor a judge for your fair. The Certificates should be made available at the time of judging for the judges to sign, date, and fill in the name of each winning exhibitor.

Each year the AMS publishes the names of science fair winners in the December issue of the *Bulletin of the American Meteorological Society (BAMS)*. We encourage you to submit a summary of winners when your fairs have ended. The summary should include the name of the fair, name(s) of the fair winner(s), school and grade attended, and project title. Please mail or e-mail (preferred) the summary by August 1st to:

Erica Callahan

AMS
45 Beacon St.
Boston, MA 02108-3693
sciencefair@ametsoc.org
617-742-8718 fax

Best wishes for a successful science fair.

Sincerely,

Katelyn Angland

Member Services

Enclosure:

two certificates



AMERICAN
PSYCHOLOGICAL
ASSOCIATION
EDUCATION
DIRECTORATE

August 2011

Dear Science Fair Director,

In preparation for the 2012 ISEF-affiliated science fairs, the American Psychological Association (APA) Education Directorate is pleased to award one certificate recognizing outstanding research in psychological science under the category of behavioral and social sciences or any category related to psychology (e.g., animal sciences, computer science, environmental science, medicine and health). To provide guidance to your judges, we are also enclosing a scoring guide/rubric that offers some specific criteria they could consider when judging these projects.

The Chair of the Awards Committee or the Regional Fair Director is asked to fill in the name of the award winner on the certificate, as well as the affiliated fair name and date, and present the certificate to the winner at the awards ceremony or during the awards announcement. An acceptance form can be found online at <http://www.apa.org/education/k12/science-fairs.aspx> (see side box); the form should be completed by either the fair director or the award recipient as soon as possible or no later than one month after the science fair.

APA, located in Washington, D.C., is the largest scientific and professional organization representing psychology in the United States and is the world's largest association of psychologists. APA's membership includes more than 154,000 researchers, educators, clinicians, consultants and students. Through its divisions in 54 subfields of psychology and affiliations with 60 state, territorial and Canadian provincial associations, APA works to advance the creation, communication and application of psychological knowledge to benefit society and improve people's lives.

If you have any questions, please contact Emily Leary, Assistant Director, Office of Precollege and Undergraduate Programs, at eleary@apa.org or (202) 572-3013.

Enclosures

Scoring Guide/Rubric
APA Award for Achievement in Research in Psychological Science
(ISEF Affiliated Regional Science Fairs)

Use the criteria below to score each science project. The total possible points for each project is 100 points; please note that Individual Projects and Team Projects are allotted different points per category. Use your best professional judgment to score each project.

CRITERIA FOR SCORING ENTRIES / PROJECTS

Creative Ability (30 points possible for Individual Projects / 25 for Team Projects)

- Does the project show creative ability and originality in the questions asked?
- Does the research support the investigation and help answer a question in an original way?
- Does the research promote an efficient and reliable method for solving a problem?

Subtotal _____

Scientific Thought (30 points possible for Individual Projects / 25 for Team Projects)

- Is the problem stated clearly and unambiguously?
- Is the problem sufficiently limited to allow plausible attack?
- Is there a procedural plan for obtaining a solution?
- Are the variables clearly recognized and defined?
- Are there adequate data to support the conclusions?
- Does the finalist/team recognize the data's limitations?
- Does the finalist/team understand the project's ties to related research?
- Does the finalist/team have an idea of what further research is warranted?
- Did the finalist/team cite scientific literature?

Subtotal _____

Thoroughness (15 points possible for Individual Projects / 12 for Team Projects)

- Was the purpose carried out to completion within the scope of the original intent?
- How completely was the problem covered?
- Are the conclusions based on a single experiment or replication of an experiment?
- How complete are the project notes?
- Is the finalist/team aware of other approaches or theories?
- How much time did the finalist/team spend on the project?
- Is the finalist/team familiar with scientific literature in the studied field?

Subtotal _____

Skill (15 points possible for Individual Projects / 12 for Team Projects)

- Does the finalist/team have the required observational and design skills to obtain supporting data?
- Where was the project performed? Did the student or team receive assistance from parents, teachers, or scientists?
- Was the project completed under adult supervision, or did the student/team work largely alone?
- Where did the equipment come from? Was it built independently by the finalist or team? Was it obtained on loan? Was it part of a laboratory where the finalist or team worked?

Subtotal _____

Continued

Clarity (10 points possible for Individual or Team Projects)

- How clearly does the finalist discuss his/her project and explain the purpose, procedure, and conclusions?
- Does the written material reflect the finalist's or team's understanding of the research?
- Are the important phases of the project presented in an orderly manner?
- How clearly is the data presented?
- How clearly are the results presented?
- How well does the physical display explain the project?
- Did the finalist/team perform all the project work, or did someone help?

Subtotal _____

Teamwork (16 points possible for Team Projects only)

- Are the tasks and contributions of each team member clearly outlined?
- Was each team member fully involved with the project, and is each member familiar with all aspects?
- Does the final work reflect the coordinated efforts of all team members?

Subtotal _____

OVERALL POINTS SCORED (100 possible points) _____



**The ASM Materials Education Foundation's
MOST OUTSTANDING EXHIBIT IN MATERIALS SCIENCE**

The ASM Materials Education Foundation is pleased to provide one (1) award at each Regional Intel ISEF Competition. The award consists of a medallion and certificate recognizing the winner of the best materials engineering project at each regional fair.

Judging for 2012 fair awards will be by your Awards Committee. In future years, we hope to be able to offer judging assistance by ASM International local chapters, depending upon availability.

Included herewith is a Preliminary Certificate to be filled in by your awards committee or fair director and presented to the recipient at the time of awards announcements. Please complete the enclosed AWARD ACCEPTANCE FORM and return as promptly as possible after the fair. A formal award certificate and a medallion will be forwarded directly to the recipient sometime in July or August.

It is possible that the recipient will be contacted by an ASM International local chapter and invited to an annual or special meeting for further recognition and publicity of his/her achievement.

Criteria

We would like to have the following as criteria for the award:

1. Use of materials-related concepts
2. Demonstration of some aspect of the materials paradigm, i.e., structure-processing-properties-performance relationships
3. Clarity in presentation
4. Clear understanding of the scientific method
5. Aesthetics – layout of the project, neatness, etc.

AWARD ACCEPTANCE FORM

INSTRUCTIONS: Complete and send one (1) copy of this "Acceptance Form" and keep one (1) copy for your files; **OR**, you may submit your Award Acceptance Form electronically by following the following link:
<http://www.zoomerang.com/Survey/?p=WEB2287F9M9XFR>

DEADLINE: The "Acceptance Form" should be sent to ASM Materials Education Foundation as soon as possible after the conclusion of the fair so as to allow for timely follow-up contact with award recipient. Formal Certificate and Medallion will be mailed in July or August.

SEND TO: Pergentina L. Deatherage
Administrator, Foundation Programs
ASM Materials Education Foundation
Materials Park, OH 44073-0002
FAX: 440/338-4634

ACCEPTANCE OF THE ASM MATERIALS EDUCATION FOUNDATION'S <i>MOST OUTSTANDING EXHIBIT in Materials Science</i> AWARD
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Recipient's Name: _____

Recipient's Address: _____

Recipient's E-mail Address: _____

Name of Fair: _____

Place of Fair: _____

(i.e., name of college, museum, convention center)

Recipient's Teacher Advisor: _____

Recipient's School: _____

Recipient's School address: _____

Title & Short Description of Recipient's Project (Use separate sheet for additional information):



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ASSOCIATION FOR WOMEN GEOSCIENTISTS

The Association for Women Geoscientists (AWG) is pleased to provide an Award Certificate to female students whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences. Special consideration should be given to projects that increase the public awareness of the geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to the earth as a global system.

Local members of the Association for Women Geoscientists may contact the fair if they are available for judging. The Awards Committee of the Intel ISEF regional science fair should delegate the judging, selection, and award presentation for AWG if local AWG members are not available.

This award is to recognize female students only. No cash or other prize is included with this Award Certificate. In the event of a tie or team project winner, please request an additional certificate from the AWG contact, Ms. Valerie Honeycutt. A limited number of additional certificates are available.

Responsibility of completing the Award Certificate is that of the Awards Committee representative of the regional science fair or the fair director. Please also complete the AWG acceptance form, or complete similar information in your own format and return to the AWG contact. Fair Directors or Awards Committees may complete their portion of the acceptance form and give to the winner to complete and mail.

Included:

- Certificate blank
- Acceptance form

For additional information, contact Valerie Honeycutt, AWG Science Fair Coordinator, at 972-775-6029 (leave message) or jvhoney@sbcglobal.net.

Intel ISEF

Society for Science & the Public
1719 N Street, NW
Washington, D.C. 20036-2801
202.785.2255 telephone
202.785.1243 fax
www.societyforscience.org/isef

ACCEPTANCE OF THE ASSOCIATION FOR WOMEN GEOSCIENTISTS CERTIFICATE

INSTRUCTIONS:

Complete and mail one copy of this form and keep one copy for your files. This form need not be used if your organization can provide the same information in your own format. You may email the relevant winner information to the address below. If the AWG Award Certificate is not enclosed or if you have any questions, please contact Valerie Honeycutt.

NOTE: This award is a certificate only and does not include a cash prize.

DEADLINE:

Please return this form to the AWG contact within one month of, or as soon as possible after the closing of your fair.

MAIL TO:

Ms. Valerie Honeycutt
309 Stiles Drive
Midlothian, TX 76065
Phone: (home) (972) 775-6029
E-mail: jvhoney@sbcglobal.net

Winner's name: _____

Winner's home address (optional): _____

City: _____ State: _____ Zip Code: _____

Winner's school: _____

Winner's school address: _____

City: _____ State: _____ Zip Code: _____

Teacher-Sponsor: _____

Title of Winner's project: _____

Fair Director's name: _____

Fair Director's address: _____

City: _____ State: _____ Zip Code: _____

Business phone: (_____) _____

Name of Fair: _____

Place where held: _____

Date(s) of Fair: _____

Intel Excellence in Computer Science Award

2012 International Fairs

*To be awarded at an Intel ISEF Affiliate Fair
(9th – 12th grade winners only)*

Intel is proud to announce the continuation of the Intel Excellence in Computer Science Award in the amount of two hundred dollars (U.S. Funds) and a certificate.

Intel supports science fairs around the world because we recognize the importance of developing the talents of our most promising young minds. In particular, the company hopes to encourage increased participation in computer science, one of today's fastest growing fields and an important source of innovation for the 21st century.

Instructions:

1. Each affiliate fair that has a computer science category may offer **one** Intel Excellence in Computer Science Award to the **top first place winner of the Computer Science category in the high school (9th-12th grades only) portion of the fair.**
2. The selection of the winner will be accomplished by the regular judging procedure at your fair. In the case of multiple first place awards in the Computer Science Category, an overall winner must be selected to receive this award. A team winning this award will split the award monies evenly. Monetary awards won by students outside the U.S. will receive their monies via a Bank Wire Transfer. You may access the Wire Transfer form at <http://www.societyforscience.org/Document.Doc?id=101>. Each team member **MUST** submit a **typed** Bank Wire Transfer form.
3. The enclosed Winner Application Sheet and certificate should be provided to the student with the proper authorizing fair director signature and contact information. **The student is responsible for completing the Bank Wire Transfer form (link above) and returning all documentation with a copy of his/her abstract to Society for Science & the Public electronically to sciedu@societyforscience.org or fax to June Kee at 202.785.1243.**
4. SSP **MUST** receive all documents by the **deadline of May 31, 2012**. Awards will be processed Summer 2011.
5. Keep a copy for your records.

This award is being administered for Intel by Society for Science & the Public.

June Kee, Intel ECS Award

Society for Science & the Public
1719 N Street, NW
Washington, DC 20036

fax to (202) 785-1243 OR
email: sciedu@societyforscience.org

Intel Excellence in Computer Science Award

Winner Application Sheet 2012 International Affiliate Fairs

Instructions: Send documents electronically to sciedu@societyforscience.org OR fax completed Winner Application Sheet, Bank Wire Transfer form (**typed**) for each winner, and a copy of your abstract to June Kee at 202.785.1243. Keep a copy for your records.

Receipt deadline is May 31, 2012.

Science Fair Director OR Special Award Coordinator- (print legibly)

I verify that this student was selected for this award and the information is correct.

Fair ID #: _____ Team: No / Yes (how many members?) _____

Team Member Name(s): _____

Fair Name: _____

Print Fair Director Name: _____

Fair Director Signature: _____

Fair Director's Email: _____

Student Winner(s) - print legibly -- Submit TEAM documents together.

Name: _____

Address: _____

City, Country, Postal Code: _____

Email: _____

2nd Team Member Name: _____

Address: _____

City, Country, Postal Code: _____

Email: _____

3rd Team Member Name: _____

Address: _____

City, Country, Postal Code: _____

Email: _____



MU ALPHA THETA
c/o University of Oklahoma
601 Elm Ave. Room 1102
Norman, OK 73019-3103
Kay Weiss, Executive Director

Phone: 405-325-4489
FAX: 405-325-7184
e-mail: matheta@ou.edu
www.mualphatheta.org

NATIONAL OFFICERS

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1800 Nimrod LVD
Loveland, OH 45140
botzner@gmail.com

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22450 19th AVE South
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tomtosch@wamath.net

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Norman, OK 73019
pgoodey@math.ou.edu

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dedmunds@hds401.org

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Baton Rouge, LA 70808
dparrino@ebrschools.org

Governor Region 3:
Betty Hood
Brentwood High School
5304 Murray Lane
Brentwood, TN 37027-6205
bettyh@wcs.edu

Governor Region 4:
A. Samuel Koski
Miami Springs Senior H.S.
751 Dove AVE
Miami Springs, FL 33166
ASKoski@aol.com

MAA Representative:
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Department of Mathematics
University of Nebraska
308 Avery Hall
Lincoln, NE 68588
sdunbar1@unl.edu

NCTM Representative:
Thomas Kilkelly
Wayzata High School
4955 Peony Lane North
Plymouth, MN 55446
kilkelly@ties2.net

SIAM Representative:
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ICAM 0531
Blacksburg, VA 24061
Terry.Herdman@vt.edu

AMATYC Representative:
Kathy Mowers
Owensboro Community and
Technical College
4800 New Hartford RD.
Owensboro, KY 42303
kathy.mowers@kctcs.edu

Dear Science Fair Director:

Mu Alpha Theta, the National High School and Two-Year College Mathematics Honor Society, wishes to provide one (1) award at each Regional/State Intel ISEF Competition. It is intended that this recognition be awarded to the individual or group project, from grades 9-12, demonstrating the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a High School student. This project does not necessarily have to be entered in the Mathematics category.

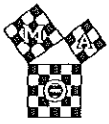
Judging for your fair awards will be by your Awards Committee. We have provided some selection criteria to help in this process.

Included is a single certificate to be filled in by your awards committee or fair director and presented to the recipient at the time of the awards announcements. In the event of a team winner, extra certificates are available and will be mailed after we have received the Award Acceptance Form. Please note the name(s) and address(es) to which additional forms should be sent. Please email requested information to matheta@ou.edu, not more than 30 days after the date of your fair.

We have enclosed a letter of congratulations to the winner's teacher. This letter includes a description of Mu Alpha Theta and may be given to the winning student to deliver. If you have any questions, please contact me.

Sincerely,

Kay Weiss
Executive Director



MU ALPHA THETA
c/o University of Oklahoma
601 Elm Ave. Room 1102
Norman, OK 73019-3103
Kay Weiss, Executive Director

Phone: 405-325-4489
FAX: 405-325-7184
e-mail: matheta@ou.edu
www.mualphatheta.org

NATIONAL OFFICERS

President:
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1800 Nimrod LVD
Loveland, OH 45140
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Past President:
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22450 19th AVE South
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tomtosch@wamath.net

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601 Elm AVE RM 1102
Norman, OK 73019
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Governor Region 1:
Darryl Edmunds
Highline High School
225 S. 152nd ST
Burien, WA 98148
dedmunds@hds401.org

Governor Region 2:
Doris Parrino
Baton Rouge High School
1105 Lee DR
Baton Rouge, LA 70808
dparrino@ebsrchools.org

Governor Region 3:
Betty Hood
Brentwood High School
5304 Murray Lane
Brentwood, TN 37027-6205
bettyh@wcs.edu

Governor Region 4:
A. Samuel Koski
Miami Springs Senior H.S.
751 Dove AVE
Miami Springs, FL 33166
ASKoski@aol.com

MAA Representative:
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Department of Mathematics
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308 Avery Hall
Lincoln, NE 68588
sdunbar1@unl.edu

NCTM Representative:
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4955 Peony Lane North
Plymouth, MN 55446
kilkelly@ties2.net

SIAM Representative:
Terry Herdman
ICAM 0531
Blacksburg, VA 24061
Terry.Herdman@vt.edu

AMATYC Representative:
Kathy Mowers
Owensboro Community and
Technical College
4800 New Hartford RD.
Owensboro, KY 42303
kathy.mowers@kctcs.edu

Dear Teacher:

Mu Alpha Theta would like to congratulate you and your student, who has just won the Mu Alpha Theta Award for the Most Challenging, Thorough, and Creative Investigation of a Problem Involving Mathematics Accessible to a High School Student. As the national honor society for high school and two-year college students of mathematics, we know how important your guidance and help has been to the success of your student.

Mu Alpha Theta was conceived in 1954 by a committee of the National Council of Teachers of Mathematics (NCTM) under the chairmanship of Dr. Richard V. Andree of the University of Oklahoma. The organization began formally in the spring of 1957 and the Mathematical Association of America (MAA) became a sponsoring organization in 1958, followed by NCTM in 1972, The Society for Industrial and Applied Mathematics (SIAM) and The American Mathematical Association of Two-Year Colleges (AMATYC) in 2002.

Presently, Mu Alpha Theta has over 1800 chapters in the United States and internationally, involving over 89,000 active members. The not-for-profit organization is run by a twelve member Governing Council and offers both regional and national competitions in mathematics free for its members, scholarships, grants, and other awards to talented mathematics students.

We invite you to join these chapters in establishing a Mu Alpha Theta chapter at your school. Please see our website at www.mualphatheta.org for information about How to Join. There you will find the eligibility requirements for both the school and your student members. A copy of the petition for membership can be downloaded. If you have any questions about our organization or the petition, please feel free to contact me.

Sincerely,

Kay Weiss
Executive Director
Mu Alpha Theta

AWARD ACCEPTANCE FORM

INSTRUCTIONS: Please complete and email a copy of the information requested below within 30 days of your fair. You may also wish to keep a copy for your files. Information should go to Kay Weiss at matheta@ou.edu. If you need extra Award Certificates to give to members of a winning team, please let us know when submitting the form. We will mail extra certificates if you provide addresses.

Awards are for students in 9th – 12th Grades only.

Phone: (405) 325-4489
E-mail: matheta@ou.edu

Winner's Name: _____

Winner's Home Address: _____

Winner's School: _____

School Address: _____

Teacher – Sponsor: _____

Title of Winner's Project: _____

Fair Director's Name: _____

Fair Director's Address: _____

Business Phone: _____

Name of Fair: _____

Location of Fair: _____ Date(s) of Fair: _____

Selection Criteria

The Mu Alpha Theta Award is given to the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a high school student. Components of the investigation may include, but are not limited to, mathematical proof, mathematical modeling, statistical analysis, visualization, simulation, and approximation. The Mu Alpha Theta Award is not limited to the projects in the mathematics category. The award could be presented to an individual or a team project. All winners must be in high school, in 9th through 12th grades.

While judges can use whatever method works best for them, one procedure they might consider utilizes a 100 - point scale with points assigned to creative ability, scientific thought, thoroughness, skill, and clarity. Team projects have a slightly different balance of points that includes points for teamwork. A chart of these point values is located at the end of these criteria. Following is a list of questions for each set of criteria that can assist you in interviewing the finalists and aid in your evaluation of the finalists' projects.

If there are no projects that meet the award description and criteria, judges have a right not to award Mu Alpha Theta Award.

I. Creative Ability (Individual - 30, Team - 25)

- a) Does the project show creative ability and originality in the questions asked, the approach to solving the problem, the analysis of data, or the interpretation of that data?
- b) Creative research should support an investigation and help answer a question in an original way.
- c) A creative contribution promotes an efficient and reliable method for solving a problem.

II. Use of Mathematics (Individual - 15, Team - 13)

- a) Does the project use more than just arithmetic and basic statistics?
- b) Are mathematical conclusions displayed using computer graphics for better visualization?
- c) If mathematical proof is involved, are steps clear, concise, and lead directly from prior statements?
- d) If simulation or approximation methods are used, are they appropriate to the problem? Is there an analysis of possible errors involved in using these methods?

III. Scientific Thought (Individual - 15, Team - 12)

- a) Is the problem stated clearly and unambiguously?
- b) Was the problem sufficiently limited to allow a solution to be found?
- c) Was there a procedural plan for obtaining a solution? What mathematics was involved in this solution?
- d) Were the variables clearly recognized and defined?
- e) If controls were necessary, did the student recognize their need and were they correctly used?
- f) Was there adequate data to support the conclusions?
- g) Does the finalist or team recognize the data's limitations?
- h) Does the finalist/team understand the project's ties to related research?
- i) Does the finalist/team have an idea of what further research is needed?
- j) Did the finalist/team cite scientific literature?

IV. Thoroughness (Individual - 15, Team - 12)

- a) Was the purpose carried out to completion within the scope of the original intent?
- b) How completely was the problem covered?
- c) Are the conclusions based on a single experiment or replication?
- d) How complete are the project notes?
- e) Is the finalist/team aware of other approaches or theories?
- f) Was the time spent on the project appropriate?
- g) Is the finalist/team familiar with scientific literature in the studied field?

V. Skill (Individual - 15, Team - 12)

- a) Does the finalist/team have the required laboratory, computation, observational and design skills to obtain supporting data?
- b) Where was the project performed? (i.e., home, school laboratory, university laboratory) Was there assistance from parents, teachers, scientists or engineers?
- c) Was the project completed under adult supervision, or did the student/team work mainly alone?
- d) Where did equipment come from? Was it built independently by the finalist or team? Was it obtained on loan? Was it part of a laboratory where the work was done?

VI. Clarity (Individual - 10, Team - 10)

- a) How clearly does the finalist discuss his/her project and explain the purpose, procedure, and conclusions? Is there real understanding of the project?
- b) Does the written material reflect that understanding?
- c) Are important phases of the project presented in an orderly manner?
- d) How clearly is the data presented?
- e) How clearly are the results presented?
- f) How well does the project display explain the project?
- g) Was the presentation done in a forthright manner, without tricks or gadgets?

VII. Teamwork (Team Projects only- 16)

- a) Are the tasks and contributions of each team member clearly outlined?
- b) Was each team member fully involved with the project and familiar with all aspects?
- c) Does the final work reflect the coordinated efforts of all team members?

POTENTIAL MAXIMUM SCORE CHART	Individual Points	Team Points
Creative Ability	30	25
Use of Mathematics	15	13
Scientific Thought / Engineering Goals	15	12
Thoroughness	15	12
Skill	15	12
Clarity	10	10
Teamwork	-	16
Total Possible Score	100 points	100 points



September, 2011

Dear Science Fair Director:

Ricoh Americas Corporation would like to provide the students at your regional science fair an opportunity to be recognized for their outstanding efforts in addressing issues of environmental responsibility and sustainable development in their science fair projects.

The Regional Ricoh Sustainable Development Award 2012 goes to the one individual or team entry, selected from among all the general award categories, whose technological and scientific innovations best reflect the principles of sustainability-balancing economic development with environmental responsibility.

Please review the judging criteria. Enclosed please find the award certificate to be presented at your regional fair.

DEFINING CRITERIA**10=High****1=Low**

RESULTS-ORIENTATION	
10 9 8 7 6 5 4 3 2 1	Efficient & reliable method for solution
10 9 8 7 6 5 4 3 2 1	Research supported investigation
10 9 8 7 6 5 4 3 2 1	Acceptable to potential user
10 9 8 7 6 5 4 3 2 1	Economically feasible
10 9 8 7 6 5 4 3 2 1	Can be successfully utilized in end product
10 9 8 7 6 5 4 3 2 1	Improvement over existing alternatives
THOROUGHNESS	
10 9 8 7 6 5 4 3 2 1	Depth of the problem covered
10 9 8 7 6 5 4 3 2 1	Awareness of other approaches or theories
10 9 8 7 6 5 4 3 2 1	Continuation opportunities recognized
SKILL	
10 9 8 7 6 5 4 3 2 1	Student's ability supports data presented
10 9 8 7 6 5 4 3 2 1	Required laboratory skills. Computation, observation, design
10 9 8 7 6 5 4 3 2 1	Degree of assistance received from a parent, teacher or professional (Less assistance = Higher score)
SCIENTIFIC THOUGHT OR ENGINEERING GOALS	
10 9 8 7 6 5 4 3 2 1	Solution obtained via a procedural plan
10 9 8 7 6 5 4 3 2 1	Variables clearly recognized; clearly defined
10 9 8 7 6 5 4 3 2 1	Adequate data to support conclusion
10 9 8 7 6 5 4 3 2 1	Objective relevant to potential user's need
ENVIRONMENTAL IMPACT ASSESSMENT	
10 9 8 7 6 5 4 3 2 1	Environmental impact of each process clear
10 9 8 7 6 5 4 3 2 1	Influence that each process has on the environment evident
10 9 8 7 6 5 4 3 2 1	Social Benefit of each process evident
SUSTAINABLE MANAGEMENT INDICATORS	
10 9 8 7 6 5 4 3 2 1	Balance between People, Planet and Profit clearly evident

 Total for Defining Criteria



INSPIRED TO CHANGE
OUR WORLD.

SOCIETY FOR IN VITRO BIOLOGY

The Society for In Vitro Biology (SIVB) provides one (1) award at each Regional/State Intel ISEF Competition. It is intended that this recognition be awarded to the most outstanding 11th grade student exhibiting in the areas of plant or animal in vitro biology or tissue culture.

Judging for 2012 fair awards will be by your Awards Committee. Included is a Certificate to be filled in by your awards committee or fair director and presented to the recipient at the time of awards announcements. Please complete the enclosed AWARD ACCEPTANCE FORM with the award winner and return it as promptly as possible after the fair. A formal letter of congratulations will be sent and publicity of his/her achievement will be included in the society's newsletter on their website at <http://www.sivb.org>.

In addition, it is possible that the recipient will be contacted by our society and invited to submit an abstract of their work to our annual meeting.

Award Acceptance Form

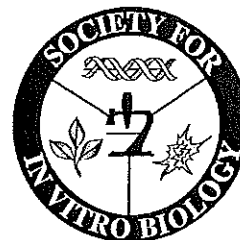
INSTRUCTIONS: Complete and send (1) copy of this "Acceptance Form" and keep one (1) copy for your files. All forms must be typed or have legible print.

DEADLINE: The "Acceptance Form" should be sent to SIVB as soon as possible after the conclusion of the fair so as to allow for timely follow-up contact with award recipient. Letter of congratulations will be mailed in the late summer. Listing of award winners will be published in the fall issue of the SIVB Newsletter.

SEND TO: Marietta Wheaton Ellis, Education Coordinator

SIVB

Society for In Vitro Biology
514 Daniels St., Suite 411
Raleigh, NC 27605
Phone: (919) 562-0600
Fax: (919) 562-0608



Acceptance of Society for In Vitro Biology Award

RECIPIENT'S NAME: _____

RECIPIENT'S ADDRESS: _____

NAME OF FAIR: _____

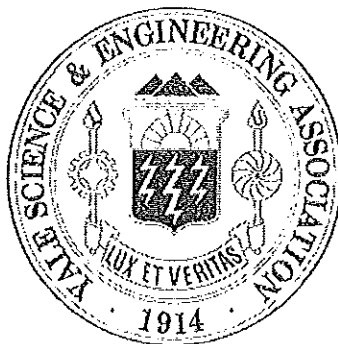
PLACE OF FAIR: _____

RECIPIENT'S SCHOOL: _____

SCHOOL ADDRESS: _____

Title & Short Description of Recipient's Project (use separate sheet for additional information)

YALE SCIENCE & ENGINEERING ASSOCIATION INC.



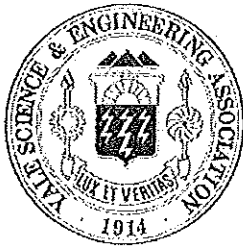
YALE SCIENCE & ENGINEERING ASSOCIATION, INC.

The Yale Science & Engineering Association, Inc. (YSEA) wishes to provide one (1) award at each Regional/State/International Intel ISEF Competition. It is intended that this recognition be awarded to the most outstanding 11th grade student exhibiting in the areas of Computer Science, Engineering, Physics or Chemistry.

Judging for 2012 fair awards will be by your Awards Committee. In future years, we hope to be able to offer judging assistance by Yale University faculty and/or alumni, depending upon availability.

Included herewith is a "Preliminary Certificate" to be filled in by your awards committee or fair director and presented to the recipient at the time of awards announcements. Please make sure that the student completes the AWARD ACCEPTANCE FORM **online at** www.eng.yale.edu/ScienceFair/Submit as promptly as possible after the fair, but no later than 30 May 2012. Instructions for the form are included and should be given to the student. A formal award certificate, suitable for framing, and a pewter medallion will be forwarded directly to the recipient by the end of September.

In addition, it is possible that the recipient will be contacted by a local Yale Club or Association and invited to an annual or special meeting for further recognition and publicity of his/her achievement.



INSTRUCTIONS FOR SUBMITTING
THE 2012 AWARD ACCEPTANCE FORM
FOR THE YSEA SCIENCE FAIR AWARD

Dear Candidate/Student:

CONGRATULATIONS on your selection for the YSEA Award. Please follow the instructions below carefully to claim your official Yale Science and Engineering Award.

The Award Acceptance must be submitted ONLINE. There are no exceptions. Please make sure you check your submission prior to finalizing it. Please only submit your information ONCE. Duplicate submissions may delay significantly mailing of your Award.

DEADLINE: You must complete the online submission as soon as possible after the end of your Science Fair, but **NO LATER THAN MAY 30, 2012**. Late submissions may not be processed.

Your Formal Certificate and Medallion will be mailed to the address you provide by the end of September 2012.

PROCEDURE:

- 1- Go to the following website: www.eng.yale.edu/ScienceFair/Submit
- 2- Follow the instructions on the site to:
 - a) confirm that you are a 2012 winner of a YSEA Science Fair Award
 - b) indicate whether your Fair is in the U.S.A. or International
 - c) enter all the requested information (name, address, email, school name, project title, fair information, name and email of teacher or advisor)
 - d) preview and, if necessary, correct ("Edit") your information
 - e) once you are sure the information is correct, preview your certificate; this will appear in a pop-up window; make sure you disable any pop-up blocker. Please make sure the information is correct as appears on the certificate: this is exactly what your certificate will look like when printed; if you need to make changes, close the pop-up window and "Edit" the information. When satisfied, click "Save"
 - f) you're done. Once again congratulations, and look for your award in the mail by the end of September 2012

To learn about YSEA – a group of Yale alumni, visit www.ysea.org

To learn more about Yale, visit www.yale.edu

To apply to Yale, visit www.yale.edu/admit