The 2014 Arkansas Science and Engineering Fair, sponsored by Southwest Energy, was held April 4-5, 2014, on the campus of the University of Central Arkansas, in Conway, AR. The awards banquet was held Saturday evening, April 5th, 2014. At the awards ceremony, $15,000 in prizes was given away to students and another $15,000 will be spent sending the ISEF finalists to compete at the International Science Fair. This would not be possible without the generous sponsorship of Southwestern Energy and the Arkansas State Legislature. Please join me in thanking them for their assistance [applause] .

Every attempt has been made to ensure the accuracy of the awards given to students. However, because of the volume of awards and the time frame that the awards committee has to work with, errors -- while unlikely -- may occur. If errors in awards are discovered, appropriate adjustments will be made after the fair.

**First Place Prizes: $300, Second Place Prizes: $200, Third Place Prizes: $100, Honorable Mention Winners: Certificate**

**HONORABLE MENTIONS: CERTIFICATES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Honorable Mention | Animal Science | Emily | Rankin | Pulaski Academy |
| Honorable Mention | Animal Science | Josephine | Pigeon | ASMSA |
| Honorable Mention | Behavioral & Social Science | Olivia | Lynch | Alpena High School |
| Honorable Mention | Behavioral & Social Science | Erica | Benoit | ASMSA |
| Honorable Mention | Behavioral & Social Science | Anni | Xu | Little Rock Central High School |
| Honorable Mention | Behavioral & Social Science | Kendall | Coats | Fayetteville High School |
| Honorable Mention | Biochemistry | Enrique | Lopez | Nettleton Junior High School |
| Honorable Mention | Biochemistry | Caleb | Hickman | Ridgeway Christian School |
| Honorable Mention | Biochemistry | Drew | Shoppy | Providence Classical Christian Academy |
| Honorable Mention | Cellular & Molecular Biology | Faith | Moore | Providence Classical Christian Academy |
| Honorable Mention | Chemistry | Jamie | Hooks | Blytheville High School |
| Honorable Mention | Chemistry | Gary | Morris | Salem High School |
| Honorable Mention | Chemistry | Randall | Harris | Ridgeway Christian School |
| Honorable Mention | Computer Science | Hunter | Duty | Nettleton Junior High School |
| Honorable Mention | Computer Science | Yahya | Suid | Lisa Academy |
| Honorable Mention | Earth and Planetary Science | Deborah | Rookey | Parkview High School |
| Honorable Mention | Earth and Planetary Science | Joey | DeSchryver | Chaffin Junior High School |
| Honorable Mention | Earth and Planetary Science | Taylor | Hensley | Alpena High School |
| Honorable Mention | Energy and Transport | Lucas | Blake | Ridgeway Christian School |
| Honorable Mention | Energy and Transport | Anirudh | Pidugu | Little Rock Central High School |
| Honorable Mention | Engineering: Electrical and Mechanical | Nikoo | Karbassi | Little Rock Central High School |
| Honorable Mention | Engineering: Electrical and Mechanical | Jason | Lantz | ASMSA |
| Honorable Mention | Engineering: Materials and Bioengineering | Juan | Maciel | Darby Junior High School |
| Honorable Mention | Engineering: Materials and Bioengineering | Caitlin | McGough | Ridgeway Christian School |
| Honorable Mention | Engineering: Materials and Bioengineering | Dev | Nair | Pulaski Academy |
| Honorable Mention | Environmental Management | Hannah | Humphrey | Ridgeway Christian School |
| Honorable Mention | Environmental Management | Elizabeth | Scott | Pulaski Academy |
| Honorable Mention | Environmental Management | Rose | Varner | Riverside High School |
| Honorable Mention | Environmental Management | Carter | Wolfe | Alma High School |
| Honorable Mention | Environmental Sciences | Keating | Ben | Chaffin Junior High School |
| Honorable Mention | Environmental Sciences | Jordan | Baldwin | Little Rock Central High School |
| Honorable Mention | Environmental Sciences | Sarah | Winters | ASMSA |
| Honorable Mention | Mathematics | Shane | Siler | Alma High School |
| Honorable Mention | Medicine & Health | Mounusha | Nunna | Little Rock Central High School |
| Honorable Mention | Medicine & Health | Sarah | Liepe | Nettleton Junior High School |
| Honorable Mention | Medicine & Health | Bethany | Young | Alpena High School |
| Honorable Mention | Microbiology | Harinee | Arunachalam | Little Rock Central High School |
| Honorable Mention | Microbiology | Sawan | Attwal | Haas Hall Academy |
| Honorable Mention | Physics & Astronomy | Tara | Moses | ASMSA |
| Honorable Mention | Physics & Astronomy | Heath | Martin | ASMSA |
| Honorable Mention | Physics & Astronomy | Mohammed | Mohamed-Asif | Little Rock Central High School |
| Honorable Mention | Physics & Astronomy | Elizabeth | Resh | Fayetteville Christian School |
| Honorable Mention | Plant Sciences | Ashley | Cabe | Alpena High School |
| Honorable Mention | Plant Sciences | Inga | Nordgren | ASMSA |
| Honorable Mention | Plant Sciences | Evan | Buckner | Jack Robey Junior High School |
| Honorable Mention | Plant Sciences | Allison | Carpenter | Ridgeway Christian School |
| Honorable Mention | Team Projects | Delaney | Daves | Pottsville High School |
|  |  | Hannah | Stevenson | Pottsville High School |
| Honorable Mention | Team Projects | Jacey | Gould | Haas Hall Academy |
|  |  | Allie | Gould | Haas Hall Academy |
| Honorable Mention | Team Projects | Ashley | Young | Haas Hall Academy |
|  |  | Joshua | Ricken | Haas Hall Academy |
|  | Team Projects | Alexandria | Crawford | Nettleton Junior High School |
| Honorable Mention |  | Johanna | Cannon | Nettleton Junior High School |
|  | Team Projects | Jacob | Dedman | Ridgeway Christian School |
|  |  | Alex | Small | Ridgeway Christian School |

**THIRD PLACE WINNERS: $100**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3rd Place | Animal Science | Kayla | Bishop | Alma High School |
| 3rd Place | Behavioral & Social Science | Rebecca Claire | Smith | ASMSA |
| 3rd Place | Biochemistry | Braxton | Anderson | Alma High School |
| 3rd Place | Cellular & Molecular Biology | Shruti | Shah | Little Rock Central High School |
| 3rd Place | Chemistry | Mykaela | Sparks | Alma High School |
| 3rd Place | Computer Science | Baasit | Bhutta | Pulaski Academy |
| 3rd Place | Earth and Planetary Science | Faith | Linton | Alma High School |
| 3rd Place | Energy and Transport | Nila | Ray | ASMSA |
| 3rd Place | Engineering: Electrical and Mechanical | Evalyn | Berleant | Little Rock Central High School |
| 3rd Place | Engineering: Materials and Bioengineering | Tim | Selvidge | ASMSA |
| 3rd Place | Environmental Management | Elisabeth | Graf | Little Rock Central High School |
| 3rd Place | Environmental Sciences | Cortland | Mathis | Alpena High School |
| 3rd Place | Mathematics | Lauren | Barnett | Stuttgart High School |
| 3rd Place | Medicine & Health | Sarthak | Garg | Little Rock Central High School |
| 3rd Place | Microbiology | Maddie | Burke | Little Rock Central High School |
| 3rd Place | Physics & Astronomy | Ian | Womack | Providence Classical Christian Academy |
| 3rd Place | Plant Sciences | Caroline | Honea | Little Rock Central High School |
| 3rd Place | Team Projects | Destiny | Ball | Alma High School |
| 3rd Place | Team Projects | Jonalee | Koch | Alma High School |

**SECOND PLACE: $200**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2nd Place | Animal Science | Adrienne | Merriott | ASMSA |
| 2nd Place | Behavioral & Social Science | Rachel | Ray | Alma High School |
| 2nd Place | Biochemistry | David | Xiang | Little Rock Central High School |
| 2nd Place | Cellular & Molecular Biology | Matthew | Carey | Pulaski Academy |
| 2nd Place | Chemistry | Ceilidh | Nogy | Haas Hall Academy |
| 2nd Place | Computer Science | Zen | Tang | Little Rock Central High School |
| 2nd Place | Earth and Planetary Science | Seth | Gilchrist | ASMSA |
| 2nd Place | Energy and Transport | Caleb | Fritz | Alma High School |
| 2nd Place | Engineering: Electrical and Mechanical | Faith | Schrader | Haas Hall Academy |
| 2nd Place | Engineering: Materials and Bioengineering | Trisha | Bhattacharyya | Little Rock Central High School |
| 2nd Place | Environmental Management | Jasmine | Rowland | Ridgeway Christian School |
| 2nd Place | Environmental Sciences | Rachel | Milnes | Nettleton Junior High School |
| 2nd Place | Mathematics | Kyle | Kullander | Pulaski Academy |
| 2nd Place | Medicine & Health | Tabetha | Ridgway | ASMSA |
| 2nd Place | Microbiology | Rebekkah | Hodges | Alma High School |
| 2nd Place | Physics & Astronomy | Abbey | Dahlem | Chaffin Junior High School |
| 2nd Place | Plant Sciences | Ragul | Manoharan | Little Rock Central High School |
| 2nd Place | Team Projects | Edward | Zhao | Little Rock Central High School |
| 2nd Place | Team Projects | Cindy | Ye | Little Rock Central High School |

**FIRST PLACE WINNERS: $300**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1st Place | Animal Science | Madison | Vanhoozer | Little Rock Central High School |
| 1st Place | Behavioral & Social Science | Morgan | Willis | ASMSA |
| 1st Place | Biochemistry | Casey | Labbate | Little Rock Central High School |
| 1st Place | Cellular & Molecular Biology | Joah | Clements | ASMSA |
| 1st Place | Chemistry | Azrene | Matin | Little Rock Central High School |
| 1st Place | Computer Science | Yeongwoo | Hwang | ASMSA |
| 1st Place | Earth and Planetary Science | Elizabeth | Lawrence | Ridgeway Christian School |
| 1st Place | Energy and Transport | Dhruba | Dasgupta | Little Rock Central High School |
| 1st Place | Engineering: Electrical and Mechanical | Nimit | Ghandi | Little Rock Central High School |
| 1st Place | Engineering: Materials and Bioengineering | Hanya | Qureshi | Pulaski Academy |
| 1st Place | Environmental Management | Ashlynn | Arriaza | Haas Hall Academy |
| 1st Place | Environmental Sciences | John | Bell | Little Rock Central High School |
| 1st Place | Mathematics | Luke | McEntire | ASMSA |
| 1st Place | Medicine & Health | Zeel | Modi | ASMSA |
| 1st Place | Microbiology | Emily | Stone | ASMSA |
| 1st Place | Physics & Astronomy | Ryan | Kaufmann | Little Rock Central High School |
| 1st Place | Plant Sciences | Safi | Alsebai | Little Rock Central High School |

**Special Awards**

|  |  |  |  |
| --- | --- | --- | --- |
| T-shirt design winner | $100 and certificate and their design featured on T-shirts | Muhammed Muhamed-Asif runner up- Josh Ricken | Little Rock Central High Haas Hall |
| American Clinical Chemistry Association | Best project in clinical chemistry | Mallory Donaldson | Glen Rose High School |
| Arkansas Environmental Education Association | Outstanding Enviromental Science Project-Certificate | Courtlin Mathis | Alpena High School |
| Arkansas Soybean Challenge | Best project related to soybean research. $500 prize! | Will and Katie Welch | Alpena High School |
| Acxiom Award | Project that best utilizes Computer Science. First place gets $75 and second place $25 | Yeongwoo Hwang --first place $75 and certificate Zen Tang-second place and $25 | ASMSA Little Rock Central High |
| American Fisheries Society-Arkansas chapter | Best Aquatic Science Award. First place gets a plaque. Teacher of the winner gets a plaque as well. HM get certificates. | Jesse Hufstedler-1st place John Bell- HM Cortland Mathis-HM Jasmine Rowland-HM Randy Harris-HM | ASMSA Little Rock Central High Alpena Ridgeway Christian Ridgeway Christian |
| American Meteorological Society | Best Project related to meterorology. First place gets a certificate. | Deborah Rookey | Parkview High School |
| American Psychological Association | Outstanding project related to behavioral science | Morgan Willis | ASMSA |
| Arkansas computer science teachers association award | Top computer science project. $75 for first place and $50 for second | Yeongwoo Hwang -$75 Zen Tang-$50 | ASMSA Little Rock Central High |
| Arkansas Natural Heritage commission | Project related to preserving AR's natural heritage. Winners each get a gift bag and $50 | Emily Taylor Stone Jesse Hufsteadler Randy Harris | ASMSA ASMSA Ridgeway Christian |
| Arkansas Chapter of the Wildlife Society | Best project related to wildlife or wildlife conservation. Certificate. | 1st- Jesse Hufsteadler HM-Ezra Tole HM- Morgan Booth HM-Hannah Humphrey HM-Casey Labbate | ASMSA Ridgeway Christian Riverside High School Ridgeway Christian Little Rock Central High |
| ASM International foundation | Best project related to materials science. Certificate | Hanya Qureshi | Pulaski Academy |
| Association for Women Geoscientists | Best project related to geoscience done by a female student. Certificate. | Elizabeth Lawrence | Ridgeway Christian |
| Griffin Award, Given by UCA | Creativity in research in the life sciences. Winner gets their name on a plaque that hands in the science education lab at UCA and a certificate and $150. $50 to the student's teacher. | Safi Alsebai-student Patrick Foley-teacher | Little Rock Central High Little Rock Central High |
| Intel Excellence in Computer Science | 1st place project in computer science. Certificate and a monetary award mailed by INTEL | Yeongwoo Hwang | ASMSA |
| Mu Alpha Theta | Most Outstanding Project in Mathematics | Luke McEntire | ASMSA |
| National Oceanic and Atmospheric Administration | Most outstanding project related to NOAA's goals. Certificate and medal. | Casey Labbate | Little Rock Central High |
| Ricoh corporation for environmental sustainable technologies | project that most supports environmentally sustainable development. Certificate. | Kwuang Tang | Little Rock Central High |
| Society for In Vitro Biology | Outstanding achievement, ability, and creativity in In Vitro Biology. Certificate. | David Xiang | Little Rock Central High |
| Society of Toxicology | Best project dealing with toxicology. Certificate. | Adrienne Merriott | ASMA |
| Stockholm Jr. Water Prize sponsored by the Water Environment Foundation | Outstanding water related project. Certificate, invitation to apply to compete in international competition. | Ashlynn Arriaza | Haas Hall |
| US Metric Association | Best use of the international system of units. Certificate. | Taylor Hensley | Alpena High School |
| Yale Science and Engineering Award | Outstanding 11th grade project in chemistry, computer science, engineering, or physics. Certificate. | Hanya Qureshi | Pulaski Academy |
| US Public Heath Services | Surgeon General's certificate of appreciation | Sarah Liepe | Nettletom Junior High |
| US Airforce | Backpack and certificate | Kwuang Tang Elizabeth Resh Mohammed Mohamed-Asif Faith Schrader | Little Rock Central High Fayetteville Christian Little Rock Central High Haas Hall |

**RECOGNITION OF REGIONAL ISEF FINALISTS**

**Students are to come forward and remain near the front as the remaining ISEF State Finalists & "Best in State" winners are announced. These students will be attending the week-long Intel International Science & Engineering Fair in Los Angeles, CA May 12-17. These ISEF finalists will receive trading pins and an Arkansas Science Fair T-shirt.**

# Cent. Region (University of Arkansas at Little Rock), Keith Harris, Director

**Individual Finalists:**  Kwuang Tang ---Little Rock Central High

Enoch Park—Pulaski Academy

Darius Ford—Parkview High School

# North East Region (Jonesboro - Ark. State Univ.), Dr. Tillman Kennon, Director

**Individual finalists**: Adrienne Green, Nettleton High School

Gabe Priest, Nettleton High School

Drew McFall, Buffalo Island Central High School

|  |  |
| --- | --- |
|  |  |

# North West Region (Fayetteville - Univ. of Arkansas), Lynne Hehr, Director

**Individual Finalists:** Conner Fritsch- Haas Hall Academy

Brandon Locknar—Chaffin JSH

Will Welch, Katie Welch—Alpena High School

# South East Region (Univ. of Ark. at Monticello), Jeff Taylor, Director

**Individual Finalists:** Peyton Aulds, Ridgeway Christian High School

**~~South Central Region, Sherry Smith, Director~~ [Fair was not held this year]**

**~~Individual Finalists:~~**

**~~Team Finalists:~~**

**~~South West Region, Joe Winstead, Director~~ [Fair was not held this year]**

**~~Individual Finalist:~~**

# West Central Region (Hot Springs - ASMS), Dr. Brian Monson, Director

**Individual Finalists:**  Kevin Fialkowski, ASMSA

Russell Bryan, ASMSA

**INDIVIDUAL ISEF FINALISTS CHOSEN FROM STATE SCIENCE FAIR CATEGORY WINNERS**

**(award covers the cost of registration, meals, housing, and transportation for the 1st place, 2nd place, 3rd place, 4th place overall winners and the top team project to attend the International Science and Engineering Fair, to be held in Los Angeles, CA May 12-17. The costs of accompanying adults will also be covered. These awards are sponsored by Southwestern Energy and the Arkansas Environmental Federation.)**

**4th Place Winner $200: John Bell, Little Rock Central High**

**3rd Place Winner $300: Hanya Qureshi, Pulaski Academy**

**2nd Place Winner $400: Nimit Ghandi, Little Rock Central High**

**1st Place Winner $500: Yeongwoo Hwang, Arkansas School for Math, Science and the Arts**

**1st Place Team Winner $500: Rachana Kombathula, Devyani Shekhawat, Dana Abulez – Little Rock Central High**

**BEST IN STATE INDIVIDUAL AWARDS - Each student receives a certificate, cash award, and first place winner gets their name engraved on a traveling plaque which will stay at their school this year. These awards are chosen from all the category competitors and the competitors in the “ISEF Finalists” category.**

**Fifth Place ($100): Nimit Ghandi - LRCHS**

**Fourth Place ($200): Yeongwoo Hwang - ASMSA**

**Third Place ($300): Kevin Fialkowski - ASMSA**

**Second Place (400): Russell Bryan - ASMSA**

**First Place ($500): Kwuang Tang - LRCHS**

**BEST IN STATE INDIVIDUAL AWARDS - Each student receives a certificate, cash award, and first place winner gets their name engraved on a traveling plaque which will stay at their school this year. These awards are chosen from all the category competitors and the competitors in the “ISEF Finalists” category.**

**Fifth Place ($100): Nimit Ghandi - LRCHS**

**Fourth Place ($200): Yeongwoo Hwang - ASMSA**

**Third Place ($300): Kevin Fialkowski - ASMSA**

**Second Place (400): Russell Bryan - ASMSA**

**First Place ($500): Kwuang Tang - LRCHS**

**BEST IN STATE TEAM AWARD - a plaque recognizing the winners will be engraved with their names and they share $500**

**Winning Team Project: Dana Abulez, Devyani Shekhawat, Rachana Kombathula – Little Rock Central High**

[Acknowledge and applaud the ISEF finalists from the Regions and State—this is the AR Delegation to ISEF. Then these kids can go sit down.]

**School Trophies –these trophies are determined by the number of points each school accumulated based on their place award winners divided by the total number of projects entered in the fair from the database of entries. To be eligible for these trophies, the schools that had the median number of projects entered in the fair (or higher) were considered. Those that did not meet the median number of entries are encouraged to bring more students to next year’s fair.**

**5th place: Alma**

**4th place: Pulaski Academy**

**3rd place: Haas Hall**

**2nd place: Little Rock Central**

**1st place: ASMSA**

**Southwestern Energy Teacher Appreciation Award, awarded to a teacher who has emerged as a strong supporter of Science Fair Program.**

**Award: Plaque and $100**

**Winner: David Good and Roger Rose, Alpena High School**

**Previous Awardees:**

**2013: Diedre Young, Ridgeway Christian High School**

**Dennis Thurman Teacher Appreciation Award, awarded to a veteran or senior teacher who has been a long-time supporter of Science Fair Program.**

**Award: Plaque and $100**

**Winner: Bill Rosser, Fayetteville High School**

**Previous Awardees:**

**(New in 2014)**

**ROBERT T. KIRKWOOD & JUDITH BEAN MEMORIAL AWARD- Awarded to an individual whose service is invaluable to the Arkansas Science and Engineering Fair.**

**Award: Plaque and $100 check**

**Winner: Patrick Foley, Little Rock Central High School**

**Previous awardees:**

**2013: Jerry Mimms/Leigh Ann Denhartog, UCA**

**2012: Jillian Arbogast, UCA**

**2011: Kristie Hicks, UCA**

**2010: Bob Wolfe, Alma High School**

**2009: Mark Welch, Alpena**

**2008: Jack Gaiser, UCA**

**2007: Rosemary Blassingame, Alma Middle School**

**2006: Mike Rapp, UCA**

**2005: Scott Ausbrooks, Harmony Grove**

**2004: Vicky Reid, UCA Phys Dept and**

**Darnelle Ausbrooks, White Hall High**

**2003: Melissa Donham, Little Rock Central High**

**2002: Jane Meadows, Hall High School**

**2001: Janet Jackson, Sheridan, AR**

**2000: Richard Gill, Whitehall H.S.**

**1999: Dennis Thurman, Drew Central H.S.**

**1998: Dennis Miller, Camden-Fairview H.S.**

**1997: Pat Bradley, Veterinarian**

**1996: Margie Snider, NLR - East H.S.**

**1995: Amy Wilson, Ark. Environmental Fed.**

**1994: Mary Frances Harper, Lakeside H.S.**

**1993: Kathy Lister, NLR - East H.S.**

**1992: Fred Dalske, UCA Dept. of Biology**

**1991: Paul Krause, UCA Dept. of Chemistry**

**School packets are available for one teacher from each school to pick up at the awards' table. In each packet will be the judges' score sheets. The script of the awards ceremony will be posted on the Arkansas Science and Engineering Fair website.**

**In addition, students are asked to send "Thank you" notes to the contributors to the fair and sponsors of the awards you received. Instructions regarding to whom to address your note, as well as the mailing address for the sponsor, were included with your award certificate. Please take the time to write your “thank you notes” so that we can continue to have the support of these organizations, and so that they can know who won their award and congratulate you individually.**

**All ISEF FINALISTS received their trading pins for this year’s International Science and Engineering Fair at the awards ceremony. Don’t forget to pack those for the trip! Pin trading is a tradition among the states and countries attending ISEF and the pin trading party is a great way to meet your fellow finalists from around the world!**