

11 March 2015

#### 61<sup>th</sup> North Alabama Regional Science and Engineering Fair Special Awards in Optics and Photonics

The Huntsville Electro-Optical Society (HEOS) was able to award over \$1000 in scholarships at the 61<sup>th</sup> North Alabama Regional Science and Engineering Fair (NARSEF) for Special Awards in optics and photonics related projects. The award funding was generously provided by SPIE, NASA, and HEOS. HEOS would like to thank all the volunteer judges for taking the time out of their schedules to participate in this event. The volunteer judges for this year were:

Tommy Cantey – Optical Sciences Corporation Phil Stahl – NASA MSFC

These judges were responsible for evaluating the merit and application of optics in the science fair entries. All winners received SPIE or HEOS certificates and award scholarships. HEOS is greatly appreciative of the opportunity to help inspire the nation's future scientists and engineers. HEOS is about community and our optics community only works with continued dedication and participation of our membership.

### **SPIE Awards**

#### Senior Division Awards First Prize (\$200) – Elena Smith "Low-Cost Laser Scatterometer for Home Air Quality Measurement" 9<sup>th</sup> grade, Pope John Paul II High School, Madison

Sponsor Brian Finzel (EE-327)

### Second Prize (\$150) – Elizabeth Susan Allen

#### "Effects of Light on 3-Dimensional Photography"

11<sup>th</sup> grade, Pope John Paul II High School, Madison Sponsor Brian Finzel (PH-357)

#### Third Prize (\$50) – Bailee Michele Gann "Hey! Let's Build a Microscope"

11<sup>th</sup> grade, Covenant Christian Academy, Huntsville Sponsor Rhonda Lisauckis (EE-322)

#### Honorable Mention (\$100) – Lauren Schlosser "Refraction Action"

10<sup>th</sup> grade, Pope John Paul II High School, Madison Sponsor Brian Finzel (PH-364)

### Senior Division Awards

**HEOS Awards** 

#### <u>Honorable Mention</u> (\$50) – Elaine Atha "The Index of Refraction of Silk" 9<sup>th</sup> grade, Pope John Paul II High School, Madison Sponsor Brian Finzel (PH-358)





### **HEOS Awards**

#### <u>Junior Division Awards</u> First Prize (\$150) – Jordan Reynolds-Gleason "Can a LaserJet or Inkjet Printing Process be Engineered to Print Graphene Super Capacitors" 7<sup>th</sup> grade, Grace Lutheran School, Madison, Sponsor Taylor Ruff (PHS-274)

### Second Prize (\$100) – Caleb J. Kirk "Refraction Extraction"

8<sup>th</sup> grade, Muscle Shoals Middle School, Muscle Shoals, Sponsor Christina Crunk (PHS-263)

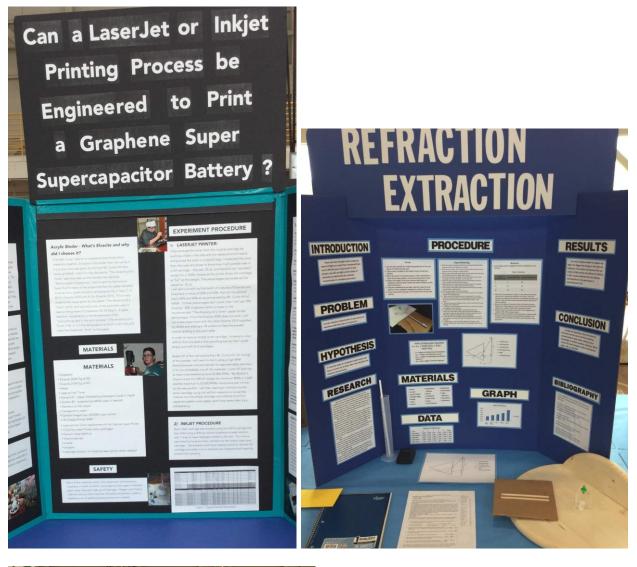
### Third Prize (\$75) – Sydney Michelle Guy "Boxing the Power of Light"

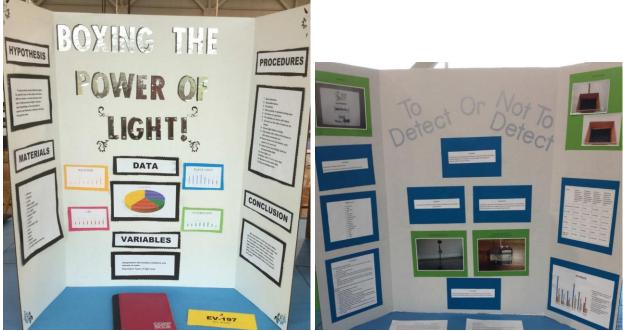
6<sup>th</sup> grade, Hampton Cove Middle School, Owens Cross Roads, Sponsor Melissa Snider (EV-197)

# Third Prize (\$75) – John Rottenborn "To Detect or Not to Detect"

6<sup>th</sup> grade, Hampton Cove Middle School, Owens Cross Roads, Sponsor Melissa Snider (MA&CS-213)







### **HEOS Awards**

# Elementary Division Awards

First Prize (\$50) – Josiah Kristian Parker "Arrow of Illusion (Refraction & Magnification"

5<sup>th</sup> grade, Columbia Elementary School, Madison, Sponsor Lisa Grice (BE-005)

### Second Prize (\$25) – Nicole Courtney Conaway

"How Quickly does Chromatic Adaption Occur and How Long Does it Last?"

5<sup>th</sup> grade, Columbia Elementary School, Madison, Sponsor Lisa Grice (PHS-048)



## **HEOS Corpoate Sponsors**

