2022 Awards

MOBILE REGIONAL SCIENCE and ENGINEERING FAIR

University of South Alabama - Jag Gym
March 11, 2022

SENIOR DIVISION

Biomedical Engineering & Bioinformatics

1st Place: Kenneth Womble, Alabama School of Math and Science:
"A Comparative Analysis of Three Eukaryotic Motor Proteins' Evolutionary Histories Obtained Through the use of Bioinformatics Tools"

Cellular/Molecular Biology/Microbiology

1st Place: Dev Mahta, Davidson High School:
"Bacillus cereus Spores Cause Increased Adherence to Radiation Therapy Thermoplastic Immobilization Mask Material"

Chemistry

1st Place: Louisa Forbes, Davidson High School:
"Do differing wasted animal fats and cooking oils differ in their saponification value and therefore densities of their transesterified fatty acid methyl esters?"

Engineering: Mechanics

1st Place: Nicholas Kim, Alabama School of Math and Science:
"3-D Printed Origami Precreaser"

Environmental Engineering

1st Place: Dakota Perry, Davidson High School:
"A Mechanism Utilizing Renewable Energy for Eliminating Aquatic Trash in Waterways that does not Contribute to Global Warming and Air Pollution."

Materials Science

1st Place: Sanjana Mupparaju, Alabama School of Math and Science:
"Synthesis Methods of 2-D Tin Sulfide Nanomaterials"

Mathematics

1st Place: Jacob Kim, Alabama School of Math and Science:
"Properties of Stieltjes-Rogers Polynomials and Random Polynomials"

Physics & Astronomy

1st Place: Elbread Roh, Alabama School of Math and Science:
"Long Term X-Ray Flux Solar Flare Intensity Prediction Using Machine Learning"

Moore Statistical Award

1st Place: Dev Mahta, Davidson High School:
"Bacillus cereus Spores Cause Increased Adherence to Radiation Therapy Thermoplastic Immobilization Mask Material" (Cellular/Molecular Biology/Microbiology)

2nd Place: Louisa Forbes, Davidson High School:
"Do differing wasted animal fats and cooking oils differ in their saponification value and therefore densities of their transesterified fatty acid methyl esters?" (Chemistry)

3rd Place: Sanjana Mupparaju, Alabama School of Math and Science:
"Synthesis Methods of 2-D Tin Sulfide Nanomaterials" (Materials Science)

Best-In-Show Awards
To Be Announced on March 12, 2022

BEST IN FAIR

To be announced

Community Innovation Award Winner

To be announced