

The 56th Science & Engineering Fair of Metropolitan Detroit (SEFMD) was held today, March 13, 2013 at Cobo Center. Over 1,500 students from schools in Wayne, Oakland and Macomb counties competed at SEFMD, one of the longest running and largest science fairs in the world. The Senior Grand Award winners will compete at the Michigan Science Fair on April 13 at Kettering University, and at the International Science Fair May 12-17 in Phoenix, Arizona.

2013 Senior Division ISEF Finalists

Guangning An, with Yu Tang

Project: MiR-17-92 cluster in axons promotes axonal outgrowth
Category: Biochemistry
Grade: 11
School: International Academy-East Campus
Teacher: David Lyons

Dean Jarois

Project: Sweet Silver
Category: Chemistry
Grade: 10
School: Divine Child High School
Teacher: Kathy Higgins-Luthman

Vipul Nandigala

Project: The Manipulation of Microfluidic Properties for Particle Concentration
Category: Physics
Grade: 10
School: Walled Lake Western High
Teacher: Thomas Saloka

Akhil Nistala

Project: Matching Preclusion and Conditional Matching Preclusion for Dual-Cubes
Category: Mathematics
Grade: 12
School: Novi Senior High School
Teacher: James Didio

Robert Pakko

Project: Providing a Way to Help Visually Impaired People using Auditory Signals

Category: Engineering
Grade: 10
School: Dearborn Center for Math, Science & Technology
Teacher: Jeff Whittaker

Anuush Vejalla

Project: How Does the Type of Rice Affect the Amount of Inorganic Arsenic Present?
Category: Environmental Sciences
Grade: 9
School: Detroit Country Day Upper
Teacher: John Dougherty

Mackenzie Zierau

Project: Effect of GM-CSF on Classical & Alternative Activation of Macrophages
Category: Medicine and Health
Grade: 10
School: Mercy High School
Teacher: Kathy Kitzmann

2013 Junior Division Grand Awards

Zubaeer Akhtar, with Jaynab Akhtar and Ihsan Akhtar

Project: The Affect of Bitter Melon and Turmeric Juice in Reducing Fresh Water Bacteria
Category: Team Project
Grade: 7
School: Kosciuszko Middle School
Teacher: Eva Klikovac

Pratham Dhanjal

Project: What is the best windmill blade design?
Category: Engineering
Grade: 7
School: Orchard Lake Middle School
Teacher: Andrea Williams

Brandon Holt

Project: Growing Up Fast
Category: Zoology
Grade: 7
School: Brewer Academy
Teacher: Devette Brown

Matthew Johnson

Project: Reactions to Different Sizes
Category: Chemistry
Grade: 8
School: Ivan Ludington Magnet Middle
Teacher: Denise Wallace Hytower

Kristin Kelly

Project: Does $C_{14}H_{12}O_3$ (oxybenzone) have an adverse effect on Lemna minor?
Category: Environmental Sciences
Grade: 8
School: Our Lady of Good Counsel Elementary
Teacher: Terry Zimmerman

Christopher Soo

Project: Magnetic Levitation
Category: Physics
Grade: 7
School: Detroit Country Day Middle
Teacher: Daniel Case

Elijah White

Project: Does Size Matter?
Category: Botany
Grade: 6
School: Douglass Academy for Young Men-Middle School
Teacher: Sheryl Rucker

Joshua Wills

Project: The impacts of ocean acidification on marine flora
Category: Earth and Space Sciences
Grade: 6
School: Thurgood Marshall Elementary
Teacher: Krystal Bolar

Usmaan Zunnurain

Project: The Big Bone Theory
Category: Medicine and Health
Grade: 8
School: Huda School & Montessori
Teacher: David Egan