

The 54th Science & Engineering Fair of Metropolitan Detroit (SEFMD) was held today, March 17, 2011 at Cobo Center. Over 1,380 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 9 at Kettering University and at the International Science Fair May 8-13 in Los Angeles, California.

2011 Senior Division ISEF Finalists

Xiao Zhu with Lawrence Kim

Project: MEG Study of the Default-mode Network in Patients with Schizophrenia
Category: Team
Grade: 12
School: Troy High School
Teacher: Rebecca Brewer

Allen Yuan

Project: Linearly Many Faults in (n,k)-star Graphs
Category: Mathematics
Grade: 12
School: Detroit Country Day Upper
Teacher: Ross Arseneau

Goutham Kapa

Project: Converging Logarithmic Spirals on the Complex Plane
Category: Mathematics
Grade: 12
School: Troy High School
Teacher: Rebecca Brewer

Samantha Myers

Project: Solar Panel Efficiency: A More Colorful Future
Category: Engineering
Grade: 10
School: Divine Child High School
Teacher: Kathy Higgins-Luthman

Hyunjoon Song

Project: Optical Music Recognition of Printed Music Score
Category: Computer Science
Grade: 10
School: Novi Senior High School
Teacher: James Didio

Rohan Arepally

Project: Catastrophic Disaster Response and Recovery Logistics System Simulation
Category: Computer Science
Grade: 12
School: Stoney Creek High School
Teacher: David Thomson

Siddhartha Jena

Project: Erythrocyte Dysfunction and Amelioration in Hypercholesterolemic Conditions
Category: Biochemistry
Grade: 11
School: International Academy
Teacher: Megan Phillips

The following student will be attending ISEF-Los Angeles as a Student Observer:

Pearl Gray

Project: Bloody Math
Category: Mathematics
Grade: 11
School: Northwestern High School
Teacher: Sybil Sharpe

2011 Junior Division Grand Awards

Nicholas Uhlarik

Project: Only One Thousand More Miles To Go
Category: Zoology
Grade: 6
School: Our Lady of LaSalette
Teacher: Sheri Boura

Divya Goel

Project: How Does Hand-Eye Dominance Affect the Percentage of Basketball Scores?
Category: Physics
Grade: 8
School: Detroit Country Day Middle
Teacher: Susan Janiczek

Mark Kocherovsky

Project: What Would Make a Difference in Strengths of Different Materials?
Category: Physics
Grade: 6
School: Orchard Lake Middle School
Teacher: Andrea Williams

Usmaan Zunnurain

Project: This is Totally Radical
Category: Medicine and Health
Grade: 6
School: Huda School & Montessori
Teacher: Nora Gotham

Rishab Chander

Project: Affordable Bioplastics - An Investigation
Category: Environmental
Grade: 7
School: Dunckel (O.E.) Middle School
Teacher: Shri Chander

Otis Wynn

Project: Corroding Race
Category: Chemistry
Grade: 8
School: Spain Middle School
Teacher: Colette Roundtree

Armani Warr

Project: Volumetric Analysis of Acid in Vinegar
Category: Chemistry
Grade: 8
School: Detroit School of Arts West Langston Hughes Campu
Teacher: Rosemary Amene

Jeronte Jasper

Project: Estrogen Mimics Effect on Fighter Fish
Category: Biochemistry
Grade: 8
School: Hally Magnet Middle School
Teacher: Krystal Bolar

Haley Clafton with Claire Wang

Project: Smoke Detector Showdown: Photoelectric vs. Ionization
Category: Team
Grade: 7
School: Meads Mill Middle School
Teacher: Laurie Masi