

The 52nd Science & Engineering Fair of Metropolitan Detroit (SEFMD) was held today, March 18, 2009 at Cobo Center. More than 1,400 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 4 at Kettering University, Flint, Michigan and at the International Science Fair May 10-15 in Reno, Nevada. (revised 5/20/09)

2009 Senior Division ISEF Finalists

Shubhangi Arora

Project: Identification of Genes in C.Albicans that Contribute to Antifungal Resistance
Category: Microbiology
Grade: 10
School: Novi Senior High School
Teacher: Kristen Shupick

Connie Fu

Project: The Role of Regulatory T Cells in Experimental Autoimmune Encephalomyelitis
Category: Medicine and Health
Grade: 11
School: Detroit Country Day Upper
Teacher: Gene Menton

Grace Lisius

Project: AMacro-invertebrates of the Rose Garden Pond: Part 2
Category: Zoology
Grade: 9
School: Home School
Teacher: Marge Lisius

Rahul Pandey

Project: A Microwave Metamaterial Lens with Negative Index of Refraction
Category: Physics
Grade: 12
School: Stoney Creek High School
Teacher: David Thomson

Andrew Rauh

Project: Grow Your Own Gas: Making Cellulosic Ethanol from Common Biomass
Category: Chemistry
Grade: 10
School: Divine Child High School
Teacher: Marcia Reetz

David Sherman

Project: Matching Preclusion for the (n,k) -Bubble-Sort Graphs
Category: Mathematics
Grade: 12
School: Birmingham Groves High School
Teacher: Marla Fallucca

Michael Yurko

Project: Convergence Acceleration for the Power Series of the Exponential Integral
Category: Mathematics
Grade: 11
School: Detroit Catholic Central High
Teacher: Alan Barker

Tamim Shaker with Lyndsey Reich

Project: The Effect of Tea Tree Oil and Urea on Escherichia Coli Bacteria Colonies
Category: Team Project
Grade: 12
School: Macomb Math Science Tech Center
Teacher: Mark Supal

(continued)

2009 Junior Division Grand Awards

Natisha Byars

Project: How Does Reinforcement Affect Concrete?
Category: Engineering
Grade: 8
School: Brenda M. Scott Middle School
Teacher: Denise Hafner

Kayla Dempster

Project: Hot or Not?
Category: Physics
Grade: 7
School: St. Michael Elementary - Livonia
Teacher: Kate Harding

Hilicia Epps

Project: Battle of Salt in Pickle Juice
Category: Chemistry
Grade: 6
School: William Howard Taft Middle School
Teacher: Rosemary Amene

Jena Holden

Project: Solar Ovens are Hot!
Category: Environmental Science
Grade: 6
School: Our Lady of Good Counsel Elementary
Teacher: Mary Beth Nicholas

Rishi Patel

Project: Vitamin C Stability in Fruits and Vegetables
Category: Biochemistry
Grade: 7
School: Detroit Country Day Middle
Teacher: Linda Engler

Karmen Rucker

Project: Classroom Pet or Pathogen Part II
Category: Microbiology
Grade: 7
School: Hally Magnet
Teacher: Sheryl C Rucker

Rajiea Sultana

Project: Rx: Prescription vs. Holistic?
Category: Medicine and Health
Grade: 8
School: Spain Middle School
Teacher: Colette Roundtree

Camren Watson

Project: Does Temperature Affect the Strength of a Magnet?
Category: Earth and Space Science
Grade: 8
School: Marquette Elementary
Teacher: Cathy Wilkins

Paul Fortin with Connor Maks and Enzo Recchia

Project: Taste vs. Smell: What One is More Accurate When Determining Similar Foods?
Category: Team
Grade: 8
School: University of Detroit Jesuit Academy
Teacher: Wesley Hardin