

The 50th Science & Engineering Fair of Metropolitan Detroit (SEFMD) was held today, March 21, 2007 at Cobo Center. More than 1,480 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 March 31 at Kettering University, Flint and at the International Science Fair May 13-19 in Albuquerque, New Mexico.

2007 Senior Division ISEF Finalists

Stephanie Boileau

Project: Quantification of the Impact Resistance of Residential Window Glass
Category: Engineering
Grade: 9
School: Novi Senior High School
Teacher: James Didio

Zeineb Hachem

Project: The Potential Fertilizer Effect of the Detroit River
Category: Botany
Grade: 11
School: Dearborn Center for Math, Science & Technology
Teacher: Natasya Shajira

Temple He

Project: Period Analysis of CV X10 and Its Implications on the Origin of Low States
Category: Earth & Space
Grade: 12
School: Troy High School
Teacher: Rebecca Johns

Shravani Mikkilineni

Project: Dendritic Polymer-Dopamine Conjugation for Targeted Drug Delivery
Category: Medicine & Health
Grade: 11
School: Detroit Country Day Upper
Teacher: Marc Fazio

Duncan Miller

Project: Textiles Take Flight
Category: Engineering

Grade: 10
School: Divine Child High School
Teacher: Marcia Reetz

Harrison Nguyen

Project: An Investigation on the Unique Binding Site of SBX
Category: Chemistry
Grade: 11
School: Detroit Catholic Central
Teacher: Alan Barker

Thiago Olson

Project: Neutron Activation using an inertial electrostatic confinement fusion reactor
Category: Physics
Grade: 12
School: Stoney Creek High School
Teacher: Eric Thuma

Zackery Schroeder

Project: Galaxy Clusters: The Local Effects on Star Synthesis
Category: Earth & Space
Grade: 12
School: Grosse Pointe North High School
Teacher: Ardis Herrold

Arthi Sridar with Malati Vadapalli

Project: Inhibition of Human P450 2E1: A Possible Anti-Carcinogenic Role for Isothiocyanates
Category: Team Project
Grade: 11
School: Novi Senior High School, Novi, MI
Teacher: James Didio

2007 Junior Division Grand Awards

Omar S. Mahmood

Project: Twinkle, Twinkle, Little Oxyluciferin
Category: Biochemistry
Grade: 7

School: Huda School & Montessori
Teacher: Nicole Cozart

Jayda Fuqua

Project: Do all plants transpire at the same rate under different sources of light?
Category: Botany
Grade: 8
School: Dixon Middle School
Teacher: Candice Weaver

Shauntavia M. Markham

Project: Electromagnetic Radiation from Computers
Category: Computer Science
Grade: 8
School: Brenda M. Scott Middle School
Teacher: Denise Hafner

Cameron Gawne

Project: Baffling, Isn't It?
Category: Environmental Science
Grade: 7
School: St. Dunstan Elementary
Teacher: Sally Fisher

Daniel J. Morin

Project: Wood You Like To Avoid a Bad Flue?
Category: Environmental Science
Grade: 7
School: St. Michael Elementary - Livonia
Teacher: Kate Harding

Stefon R. Greene

Project: Electromagnetic effect on dust particles
Category: Physics
Grade: 8
School: Wm. Howard Taft Middle School
Teacher: Rosemary Amene

Timothy J. Elton

Project: Is Your Backpack a Pain in Your Back?
Category: Medicine & Health
Grade: 7
School: Detroit Country Day Middle
Teacher: Wayne Wheatley

Sarah R. Holloway

Project: Cyanide Level in Imported Cassava Root
Category: Chemistry
Grade: 8
School: Friends School of Detroit
Teacher: Susan Rushman

La Sherryn S. Duncan with Ariel Callaway and Shenell Garrison

Project: Tree Eating Alien
Category: Team Project
Grade: 8
School: Hally Magnet Middle School
Teacher: Elizabeth Schlum