**The 60th Science & Engineering Fair of Metropolitan Detroit (SEFMD) was held today, March 15, 2017 at Cobo Center. 2,001 students from 142 schools in Wayne, Oakland, Macomb, Washtenaw, Lenawee, Livingston and Monroe 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 state Science Fair on April 1 at the Kettering University in Flint, Michigan and at the International Science Fair May 14-19 in Los Angeles, California.**

**2017 Junior Division Grand Award Winners**

**Adnan Khan**

Project: Dangers of EMF

Category: Biomedical & Health Sciences

Grade: 6

School: Huda School & Montessori

Teacher: Mona Helmy

**Vihaar Nandigala**

Project: Simulation of Genes and Population Growth

Category: Computational Biology & Bioinformatics

Grade: 8

School: Home School Nandigala

Teacher: Usha Nandigala

**Anisa Pharr**

Project: It's All In the Grind

Category: Chemistry

Grade: 7

School: Gompers Elementary-Middle School

Teacher: Melissa Goins

**Hans Lindor**

Project: Orange Juice vs. Sport Drinks

Category: Energy: Chemical

Grade: 6

School: Douglass Academy for Young Men Middle School

Teacher: Sheryl Evans

**Amira Rasul**

Project: Generating Electricity from Fruits

Category: Energy: Physical

Grade: 6

School: Paul Robeson Malcolm X Academy

Teacher: Rosemary Amene

**Zaire Harps**

Project: Using Paint Additives to Increase Your Home’s Energy Efficiency

Category: Material Science

Grade: 7

School: Ellington Conservatory of Music & Art at Beckham Academy

Teacher: Krystal Bolar

**Ryan Luke**

Project: Picking a Pumpkin Preserver

Category: Microbiology

Grade: 7

School: St. Patrick Elementary

Teacher: Jennifer Sanderson

**Saipranav Janyavula**

Project: Are Nutrition Labels on Drinks Accurate?

Category: Physics & Astronomy

Grade: 8

School: Novi Middle School

Teacher: Kim Osmonson

**Akshara Karthik with Priya Shah**

Project: The Vital Vitamin C

Category: Team

Grade: 7

School: Orchard Lake Middle School

Teacher: Andrea Williams

**2017 Senior Division ISEF Finalists**

**Neha Seshadri**

Project: A Novel Application of Microfluidic Assay to Evaluate the Role of Calponin in Platelet Function and Clot Formation

Category: Biomedical & Health Sciences

Grade: 11

School: Skyline High School

Teacher: Teresa Schneider

**Madeleine Yang**

Project: High-Dimensional Single-Cell Cytometry Analysis of Cancer Stemness

Category: Biomedical Engineering

Grade: 10

School: Detroit Country Day Upper

Teacher: Ross Arseneau

**Marlies Michielssen with Shrikant Chand**

Project: A Novel Zwitterionic Superparamagnetic Iron Oxide Nanoparticle Synthesis

Category: Chemistry

Grade: 12

School: Washtenaw International High School

Teacher: Alyson Thompson

**Rashad Prendergast**

Project: Impact of Road Salt Usage on Atmosphere Concentrations of Cl and Na PM2.5

Category: Earth & Environmental Sciences

Grade: 12

School: Cass Technical High School

Teacher: Sonya Ross

**Malini Mukherji**

Project: Determining Light-Source Location Using Machine Learning and Solar Cells

Category: Energy: Chemical

Grade: 11

School: Notre Dame Prep. High School

Teacher: Jocelynn Yaroch

**Richard Yang**

Project: Optimization of Electro Pulsing on 3Y-TZP Ceramic Water Filter Sintering

Category: Material Science

Grade: 11

School: Troy High School

Teacher: Rebecca Brewer

**Varun Sathyan**

Project: Cloud-Based Data Preparation for Medical Observational Research

Category: System Software

Grade: 12

School: Troy Athens High School

Teacher: Rachel Peterson