**The 59th Science & Engineering Fair of Metropolitan Detroit (SEFMD) was held today, March 9, 2016 at Cobo Center. 1,149 students from 110 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 state Science Fair on April 9 at the Kettering University in Flint, Michigan and at the International Science Fair May 8-13 in Phoenix, Arizona.**

**2016 Senior Division ISEF Finalists**

**Shrikant Chand**

Project: Novel Ultrastable Fluorescent PCB-DSPE Encapsulated Quantum Dot Synthesis

Category: Chemistry

Grade: 10

School: Detroit Country Day Upper

Teacher: Riccardo Di Pasquo

**Alden Kane**

Project: Wheelchair-Stroller: A Solution to Infant Transportation for Wheelchair-Users

Category: Engineering Mechanics

Grade: 12

School: University of Detroit Jesuit High School

Teacher: Dominic Coccitti-Smith

**Amy Li**

Project: Development of Cobalt Recovery Process from Waste Lithium-Ion Batteries

Category: Chemistry

Grade: 12

School: Troy High School

Teacher: Rebecca Brewer

**Malini Mukherji**

Project: Dye-Sensitized Solar Cells

Category: Energy: Chemical

Grade: 10

School: Indus Center for Academic Excellence High School

Teacher: Rahul Mital

**Varun Sathyan**

Project: SPARQL Query Generation and Semantic Similarity for Medical RDF Databases

Category: System Software

Grade: 11

School: Troy Athens High School

Teacher: Rachel Peterson

**Darrell Tubbs**

Project: Investigation of Nanoparticle Size to Optimize SERS Substrates for Aerosol Par

Category: Earth & Environmental Sciences

Grade: 12

School: Cass Technical High School

Teacher: Sonya Ross

**Jonathan Ni with Elien Michielssen and Marlies Michielssen**

Project: Effectiveness of Wastewater Treatment Plants at Removing Microplastics

Category: Environmental Engineering – Team

Grade: 12

School: Detroit Country Day Upper

Teacher: John Dougherty

**2016 Junior Division**

**Hera Akmal**

Project: Benchmarking the Performance of Cloud Computing Instances

Category: System Software

Grade: 7

School: Noor International Academy

Teacher: Kayla Myers

**Kailah Collins**

Project: How Much Do You Use?

Category: Behavioral & Social Sciences

Grade: 6

School: Gompers Elementary-Middle School

Teacher: Derek Sale

**Ashley Fan**

Project: Temperaure's Effect on Catalase

Category: Biochemistry

Grade: 8

School: Novi Middle School

Teacher: Nicole Stusick

**Dangalese Johnson**

Project: Health Alternatives

Category: Biomedical & Health Sciences

Grade: 8

School: Ann Arbor Trail Magnet School

Teacher: Valerie Booker-Bryant

**Rohit Mital**

Project: Mathematical Science + Java Programming = Melodious Music

Category: Mathematics

Grade: 8

School: Indus Center for Academic Excellence-Middle School

Teacher: Allan Zhao

**Maya Odom**

Project: Get the Lead Out: An Environment Water Quality Study of Michigan's Water

Category: Earth & Environmental Sciences

Grade: 8

School: Edward Duke Ellington Elementary-Middle School at Beckham

Teacher: Krystal Bolar

**Isabella Slifko**

Project: What is the Effect of Hydrogen Peroxide on the Germination of a Seed?

Category: Plant Sciences

Grade: 7

School: St. Patrick Elementary School

Teacher: Jennifer Sanderson

**Dejania Thomas**

Project: Rusty Nail

Category: Chemistry

Grade: 6

School: Fisher Magnet Upper Academy

Teacher: Susan Morandy

**Faiqa Alam with Zobia Wasiullah and Sana Ishaqsei**

Project: The Flint Water Crisis: Corrosion of Confidence

Category: Team

Grade: 8

School: Huda School & Montessori

Teacher: David Egan