

Material Advantage Contest Award Winners 2014

Material Advantage Graduate Student Poster Competition

1st Place

Wei Wu

Carnegie Mellon University

"Effect of Electrolyte on Electrochemical Performance of Aqueous Sodium-ion Battery System"

2nd Place

Kenta Ohtaki

University of California, Irvine

"Synthesis Route for Doped Monoclinic LaPO₄ (Monazite) Avoiding the Formation of Rhabdophane"

3rd Place

Harpal Singh

The University of Akron

"Magnesium Doped Hydroxyapatite: Synthesis, Characterization and Bioactivity Evaluation"

Material Advantage Undergraduate Student Poster Competition

1st Place

Kathleen Alyssa O'Connell

West Virginia University

"Synthesis of Doped Lanthanum Zirconate by Spray Pyrolysis"

2nd Place

Carolina E. Swanson

Missouri University of Science and Technology

"Grain Growth of ZrB₂ in Pulse Plasma Arc Welded Fusion Zones"

3rd Place

Dan Shields

Pennsylvania State University

"Development of Experimental Procedures for Digital Image Correlation at Elevated Temperatures Using Laser Micro-Machined Pattern"

Honorable Mention

Kimberly Lachell and Chuanzhe Hu

The Ohio State University

"Novel Methods for Analysis of BioMaterials"

Material Advantage Undergraduate Student Speaking Contest

Winner

Jennifer DiStefano

Pennsylvania State University

"Advancing Flexible Electronics through Novel 2D Materials"

1st Runner-Up

Utthara Rameshbabu

Rensselaer Polytechnic Institute

"Nano-Bio Interactions of Concave-Surfaced Gold Nanoparticles"

2nd Runner-Up

1. Danish Dhamani
Drexel University
"Modeling Resistive and Capacitive Behavior of Knitted Supercapacitors"
2. Kevin R. Talley
Boise State University
"High-throughput processing for materials discovery"

Material Advantage Ceramic Mug Drop Contest (*Organized by Keramos*)

Winner (passing @ 90 cm drop)

Joshua Marett
Sarah DeSilva
Cameron Crowell
David Lichtman
Virginia Polytechnic Institute and State University

Most Aesthetic Mug

Samantha Swayne
Virginia Polytechnic Institute and State University

Material Advantage Ceramic Disc Golf Contest (*Organized by Keramos*)

Winner (made 7 m)

Noveen Delaram
University of Connecticut

Most Aesthetic Disc

Allie Clark
University of Connecticut