

Material Advantage Contest Award Winners 2013

Material Advantage Graduate Student Poster Competition

1st Place

Priscila Chaves Panta
Federal University of Rio Grande do Sul
"Mössbauer and Magnetic Behavior of Iron Oxide Nanoparticles Stabilized with Polyethylene Glycol"

2nd Place

HyunJeong Bae
Korea Aerospace University
"Silicon Carbide Coating on Carbon Fibers for Enhanced Oxidation Resistance Cf/SiC Composites"

3rd Place

Yun-Hyuk Choi
Seoul National University
"Direct Printing Synthesis of Self-organized Copper Oxide Hollow Spheres on Substrate Using Cu(II) Complex Ink and Their Highly Sensitive High-throughput Gas Sensor Applications"

Material Advantage Undergraduate Student Poster Competition

1st Place

Andrew Robinson
Washington State University
"Using Al-PTFE Granular Composites and Natural Rubber for Semi-Reactive Armor"

2nd Place

Jaron Senecal
Rensselaer Polytechnic Institute
"Parameterization of a General Glass Dissolution Model: Accounting for shape effects in dilute dissolution conditions"

3rd Place (tie)

1. Nadia Ben Dahmane
McMaster University
"Boiling Water Quenching using the Galvanizing Simulator"
2. Timothy Fountain
South Dakota School of Mines & Tech
"Friction Stir Welding of Grade-110 HSLA Steel"

Material Advantage Undergraduate Student Speaking Contest

Winner

Luke Shi
University of Illinois at Urbana-Champaign
"Materials Selection and Device Design for Robust Epidermal Electronics"

1st Runner-Up

Kelsey Jorgensen
Northwestern University
"The Binary Join of the Transparent Conducting Oxides GITO and ZITO"

2nd Runner-Up

1. Austin Gerlt
Missouri University of Science & Technology
"Cerium-Based Anti-Corrosion Coatings on Aluminum Alloys"
2. Spencer Ferguson
Rutgers University
"Advanced Cement Materials with Reduced Environmental Impact"

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

Winner (passing @ 45 cm drop)

Myranda Ferris
Missouri University of Science & Technology

Most Aesthetic Mug

Jake Ivy
Missouri University of Science & Technology

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

Winner (3-way tie: made 5 m)

Mackenzie Merrick
University of Connecticut

Brenden Mil-Homens
University of Connecticut

Steven Ashlock
Missouri University of Science & Technology

Most Aesthetic Disc

Austin Gerlt
Missouri University of Science & Technology