

Material Advantage Contest Award Winners 2019

Material Advantage Graduate Student Poster Competition

1st Place - \$250

Desheng Yao

Virginia Polytechnic Institute and State University

“Achieving the Upper Bound of Piezoelectric Constants of Additive Manufactured Nanocomposites”

2nd Place - \$150

Sarath Babu Duraisamy

Nagoya Institute of Technology

“Spatial Distribution of Spherical Al₃Ti Particles in Al-Al₃Ti Composite by Equal-channel Angular Pressing and Multi-Directional Forging”

3rd Place - \$100

Rishav Raj

University of Alberta

“Homogenization on Manganese Microsegregation in Continuous Cast Microalloyed Steel Slabs”

Material Advantage Undergraduate Student Poster Competition

1st Place - \$250

Yuran Kong

The Pennsylvania State University

“Thermodynamic Properties of Strontium-Lead Alloys Determined by Electromotive Force Measurements”

2nd Place - \$150

Rebecca Welch

Coe College

“Testing Conflicting Theories of Ionic Conductivity in Alkali Silicate Glass Systems with Molecular Dynamics”

3rd Place - \$100

Skye Supakul

University of Nevada, Reno

“Stress-strain responses from small scale testing (nanoindentation, in-situ micro-compression, micro-tension) in pure magnesium”

Material Advantage Undergraduate Student Speaking Contest

1st Place - \$500

Victoria Reichelderfer

University of Connecticut

“Phase Field Modeling of Corrosion”

2nd Place - \$250

Bailey Ricketts

Missouri University of Science and Technology

“Recycling of Post-Consumer Glass Cullet”

Material Advantage Undergraduate Student Speaking Contest (continued)

3rd Place - \$150

Shane Johnson

University of Nevada, Reno

“Bio-inspired Routes to Damage Tolerant Materials: Unique Microstructure and Fracture Properties of Enamel in the Grinding Dentition of a Hadrosaurid Dinosaur”

4th Place - \$100

Jose Mancias

University of Illinois at Urbana Champaign

“Plastic fluctuations in a Cu-Al intermetallic”

Material Advantage Ceramic Mug Drop Contest

Organized by Keramos

Winner - \$100 and trophy

Alissa Reynolds

Missouri University of Science and Technology

Most Aesthetic Mug - \$50

Cwi Jingjing

Wuhan University of Technology

Material Advantage Ceramic Disc Golf Contest

Organized by Keramos

Winner - \$100 and trophy

Harrison Jones

Virginia Polytechnic Institute and State University

Most Aesthetic Disc - \$100

Harrison Jones

Virginia Polytechnic Institute and State University