

MS&T20 Virtual Student Contest Award Winners

Material Advantage Graduate Student Poster Competition

1st Place - \$250

Davi Marcelo Soares

Kansas State University

Silicon Carbon Nitride (SiCN) and Silicon Oxycarbide (SiOC) Functionalization of Molybdenum Disulfide (MoS₂) as Stable Battery Electrodes

2nd Place - \$150

Manmeet Kaur

Thapar Institute of Engineering and Technology

Self Activated Ca₃Si₂O₇ + Ca₂SiO₄:Dy³⁺ Phosphors Derived from Agro-food Wastes

3rd Place - \$100

Anna De Marzi

University of Padova

Hybrid Additive Manufacturing Technology Applied to Si₃N₄ Freeform Components Fabrication

Material Advantage Undergraduate Student Poster Competition

1st Place - \$250

Tejas Chaudhari

Indian Institute of Technology, Bombay

Crack Driving Force Expressions Using Compliance Approach in Clamped Beam Bending Geometry

2nd Place - \$150

Ria Nandwana

Case Western Reserve University

Maximizing Magnetostriction in Fe-Ga-Zr Nanocrystalline Alloys

3rd Place - \$100

Robert Spurling

University of Tennessee, Knoxville

Supercritical Synthesis of VO₂ Nanoparticles For Smart Window Films

Material Advantage Undergraduate Student Speaking Contest

1st Place - \$500

Jerry Howard

University of Utah

Improving materials for pulp capping using sodium metasilicate glass

2nd Place - \$250

Ashleigh Abbott

Missouri University of Science and Technology

The Incorporation and Adhesion of Bioactives in Layer-by-Layer (LbL) films

Material Advantage Undergraduate Student Speaking Contest (continued)

3rd Place - \$150

Gladys Duran
Instituto Tecnológico de Morelia
The failure behind the chaos

4th Place - \$100

Justin Hughes
University of Maryland, College Park
Dissipative Assembly of Nanoparticles for Reconfigurable Optical Materials and Sensing Systems

Material Advantage Ceramic Mug Drop Contest

Organized by Keramos

Winner - \$100 and trophy

Justin Gruber
University of Illinois at Urbana-Champaign

Most Aesthetic Mug - \$50

Claire Pallett
Missouri University of Science and Technology

Material Advantage Ceramic Disc Golf Contest

Organized by Keramos

Winner - \$100 and trophy

Justin Gruber
University of Illinois at Urbana-Champaign

Most Aesthetic Disc - \$100

Justin Gruber
University of Illinois at Urbana-Champaign

Material Advantage Social Media Contest

Day 1 - \$100

Gladys Duran
Instituto Tecnológico de Morelia

Day 2 - \$100

Raju Prasad Ghimire
University of New Mexico

Day 3 - \$100

Hrushikesh Sahasrabuddhe
Indian Institute of Technology, Mumbai

ACerS PCSA Humanitarian Pitch Competition

1st Place - \$500

H2Flow

Colorado School of Mines

Water Filtration through Concrete Filters

2nd Place - \$250

Ecotone Renewables

Carnegie Mellon University

Anaerobic Digestion Technology for Developing Island Nations