

Ceramographic Exhibit – AcerS 2018 (MS&T 2018)
Greater Columbus Convention Center, Columbus, OH

BEST OF SHOW – Roland B. Snow Award

“Phantom of the Phosphate”

Christopher Marvel, Animesh Kundu, and Martin P. Harmer
Lehigh University, Bethlehem, PA

Scanning Electron Microscopy:

- 1st Place:** *“MXene City”*
Simge Uzun, Tugce Kukul, Bilen Akuzum, Ariana Levitt, Genevieve Dion, and Yuri Gogotsi
Drexel University, Philadelphia, PA
- 2nd Place:** *“Graphene Oxide - Archipelago”*
Archana Loganatham, Benjamin Boesl, and Arvind Agarwal
Florida International University, Miami, FL
- 3rd Place:** *“Cu-Al₂O₃ Reef”*
Kevin Anderson, Richard Vinci, and Helen Chan
Lehigh University, Bethlehem, PA

Transmission and Scanning Transmission Electron Microscopy:

- 1st Place:** *“Arm(Y) Camouflage”*
Joshua Smeltzer, Christopher Marvel, Helen Chan, and Martin Harmer
Lehigh University, Bethlehem, PA
Chad Hornbuckle, Anit Giri, and Kris Darling
Army Research Laboratory, Adelphi, MD
- 2nd Place:** *“Ceramic Republic”*
Komal Syed, Kenta K. Ohtaki, and Martha L. Mecartney
University of California – Irvine
- 3rd Place:** *“Boron Carbide Formation on the Surface of Spark Plasma Sintered Boron Nitride Nanosheet”*
Archana Loganathan,¹ Amit Sharma,² Chris Rudolf,¹ Cheng Zhang,¹ Satyam Suwas,²
Benjamin Boesl,¹ and Arvind Agarwal¹
¹. Florida International university, Miami, FL
². Indian Institute of Science Bangalore

Optical Microscopy:

- 1st Place:** *“Hexagonal Evolution of Amphitheater-like Lateral Crack below Vickers Indent in ZnO”*
Y. Li, M. Hofling, P. Keil, and J. Rodel
Technische Universitat Darmstadt
- 2nd Place:** *“Loon Grain”*
Steve Buresh and Chris McLasky
GE Global Research, Niskayuna, NY

Undergraduate:

- 1st Place:** *“Liquid Phase Assisted Reaction Sintering of Murataite”*
Thomas Kaufman, Martha L. Mecartney, and Peter E.D. Morgan
University of California – Irvine
- 2nd Place:** *“Hailstorm”*
Kristen Wong, Somnath Mondal, and Martha L. Mecartney
University of California - Irvine