

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:**

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

**Transmission and Scanning Transmission Electron Microscopy:**

- 1<sup>st</sup> 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
- 2<sup>nd</sup> Place:** *“Ceramic Republic”*  
Komal Syed, Kenta K. Ohtaki, and Martha L. Mecartney  
University of California – Irvine
- 3<sup>rd</sup> Place:** *“Boron Carbide Formation on the Surface of Spark Plasma Sintered Boron Nitride Nanosheet”*  
Archana Loganathan,<sup>1</sup> Amit Sharma,<sup>2</sup> Chris Rudolf,<sup>1</sup> Cheng Zhang,<sup>1</sup> Satyam Suwas,<sup>2</sup>  
Benjamin Boesl,<sup>1</sup> and Arvind Agarwal<sup>1</sup>  
<sup>1</sup>. Florida International university, Miami, FL  
<sup>2</sup>. Indian Institute of Science Bangalore

**Optical Microscopy:**

- 1<sup>st</sup> 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
- 2<sup>nd</sup> Place:** *“Loon Grain”*  
Steve Buresh and Chris McLasky  
GE Global Research, Niskayuna, NY

**Undergraduate:**

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