

2011 Ceramographic Exhibit

Roland B. Snow Award for Best of Show

Winner: Roger Ristau, Vincent Palumbo, John Doyle, Evan Ward, and Bryan D. Huey
University of Connecticut, Institute of Materials Science, Storrs, CT
“Ancient Diatom Ruins”

Scanning Electron Microscopy (SEM) Category:

1st Place: Roger Ristau, Vincent Palumbo, John Doyle, Evan Ward, and Bryan D. Huey
University of Connecticut, Institute of Materials Science, Storrs, CT
“Ancient Diatom Ruins”

2nd Place: Babak Anasori, Michael Naguib, Yury Gogotsi, and Michel W. Barsoum
Department of Materials Science and Engineering, and A.J. Drexel Nanotechnology
Institute, Drexel University, Philadelphia, PA
“MXenes: Two-Dimensional Crystals”

3rd Place: Vincent Palumbo, Arif Mubarak, Rainer Hebert, and Bryan D. Huey
University of Connecticut, CMBE Department, Storrs, CT
“Insolubility Can be a Bummer”

Combined Techniques Category:

1st Place: Cory Perkins and Allen Apblett
Oklahoma State University, Stillwater, OK
“Lead Molybdate Micro-Chicken and Nano-German Iron Crosses”

2nd Place: Zhiyang Yu and Jing Zhu, Tsinghua University
Animesh Kundu and Martin P. Harmer, Lehigh University
“Anatomy of Boron Carbide Nanofibers”

3rd Place: Zhiyang Yu, Qian Wu, and Jing Zhu, Tsinghua University
Martin .P. Harmer, Lehigh University
“Smiling Five-Fold Nanoflower”

Scanning Probe Microscopy (SPM) Category:

1st Place: Joseph Desmarais¹, Linghan Ye¹, Jon F. Ihlefeld², and Bryan D. Huey¹
1. University of Connecticut, Institute of Materials Science, Storrs, CT
2. Sandia National Labs
“Domain Boundary Statistics in BiFeO₃ Multiferroics”

Only the 1st Place Ribbon awarded in SPM category

Transmission Electron Microscopy (TEM) Category:

1st Place: Boris Nijikovsky¹, Sergei Remennik¹, Jacob J. Richardson², and Wayne D. Kaplan¹

1. Department of Materials Engineering, Technion – Israel Institute of Technology
 2. Materials Department, University of California, Santa Barbara
- “Large Angle CBED of Dislocations in ZnO Films Synthesized on MgAl₂O₄ from Aqueous Solution”

2nd Place: Ricardo H.R. Castro¹, Andrew Thron², Shmulik Hayun¹, and Klaus van Benthem²

1. Peter A. Rock Thermochemistry Lab
 2. Chemical Engineering and Materials Science, University of California, Davis
- “Anhydrous Nanocrystalline Magnesium Oxide and the Loch Ness Monster”

3rd Place: Shuailei Ma and Martin P. Harmer
Lehigh University, Bethlehem, PA
“Carbon Nano-Fingerprint”

Optical Microscopy Category:

1st Place: Michael Kracum, Helen M. Chan, and Martin P. Harmer
Lehigh University, Bethlehem, PA
“Finding Mars”

Only the 1st Place Ribbon awarded in Optical category