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 Mubarok, 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