

**2014 ACerS Ceramographic Exhibit - Best of Show Roland B. Snow Award**  
**“Piecing Together the Ni<sub>6</sub>W<sub>6</sub>C and NiW Puzzle”**  
**Christopher J. Marvel, Denise Yin, Patrick R. Cantwell, and Martin P. Harmer**  
**Lehigh University**

**Transmission Electron Microscopy (TEM) and Scanning Transmission Electron Microscopy (STEM)**

**1<sup>st</sup>** “Piecing Together the Ni<sub>6</sub>W<sub>6</sub>C and NiW Puzzle,” Christopher J. Marvel, Denise Yin, Patrick R. Cantwell, and Martin P. Harmer

Lehigh University

**2<sup>nd</sup>** “The Butterfly & the Eclipse,” Joice Miagava, Quentin Jacquet, Sanchita Dey, Jorgen Rufner, Douglas Gouvea, and Ricardo H.R. Castro  
University of Sao Paulo, Brazil, and University of California, Davis

**3<sup>rd</sup>** “Nemo’s Home Among the Sea Anemones,” Jorgen F. Rufner, Sanchita Dey, Ricardo H.R. Castro, and Klaus van Benthem  
University of California, Davis

**Scanning Probe Microscopy (SPM)**

**1<sup>st</sup>** “Micro-flower Garden on the Silver Ion Conducting Glass,” Sang Mo Yang, Evgheni Strelcov, M. Parans Paranthaman, and Sergei V. Kalinin  
Oak Ridge National Laboratory

**2<sup>nd</sup>** “Sunset on a La<sub>5/8</sub>Ca<sub>3/8</sub>MnO<sub>3</sub> Surface, Impressionistic View,” Alexander Tselev and Rama K. Vasudevan  
Oak Ridge National Laboratory

**3<sup>rd</sup>** “Ionic Phenomena in Single Point Ferroelectric Domain Switching,” Anton levlev and Sergei Kalinin  
Oak Ridge National Laboratory

**Scanning Electron Microscopy (SEM)**

**1<sup>st</sup>** “Flowers on a Rock,” Kenta Ohtaki and Martha L. McCartney  
University of California, Irvine

**2<sup>nd</sup>** “Direct Imaging of Short Circuit Current Changes in CdTe Solar Cells,” Jonathan Poplawsky  
Oak Ridge National Laboratory

**3<sup>rd</sup>** “Ferroelastic NanoDomains,” Jon F. Ihlefeld and Bonnie B. McKenzie  
Sandia National Laboratories