2014 International Metallographic Contest Winners

Best in Show – Jacquet Lucas Award

Deformation of Bulk Metallic Nanolaminates
Thomas Nizolek
Affiliated with the University of California Santa Barbara

Class 1 -- Light Microscopy – All Materials

First Place
Deformation of Bulk Metallic Nanolaminates
Thomas Nizolek
Affiliated with the University of California Santa Barbara

Second Place
Comparision of Microstructure Before and After Welding to Predict Reliability
Shelley Williams
Sandia National Laboratories

Third Place
No Award

Honorable Mention
Microstructure of Muonionalusta Octahedrite Meteorite
George Vander Voort
Consultant-Struers Inc.
and
Frederick E. Schmidt, Jr.
Engineering Systems Incorporated

Class 2 – Electron Microscopy, All Materials

First Place
Novel Metallography to Characterize Microstructural Features at Interface Influencing Thermal Transport in Copper-Diamond Composites
V. Sinha, J.E. Spowart
Air Force Research Laboratory
Second Place
The Case of Corrosion of AISI Stainless Steel Pointer Rod
Pankaj Sharma
Buckman International

Third Place
No Award

Honorable Mention
All That and The Kitchen Sink
MariAnne Sullivan (PhD Candidate), Steven Moore (Lab Supervisor)
Auburn University Materials Engineering

Class 3 – Student Entries – All Materials (Undergrad or Graduate Students Only)

First Place and the George L. Kehl Award
Crank Up The Strength
Emily Lagomarsino, Allie Fletcher
Lehigh University

Second Place
Analysis of a Hydraulic Piston Shoe
Alexander Shafer, Richard Michi
Lehigh University

Third Place
Continuous Cooling Bainite Transformation in a High Carbon Steel
Peter Kirbis
University of Maribor

Honorable Mentions
No Award

Class 4 – Artistic Microscopy – Color

First Place
Forged 2507 Super Duplex Darkfield
Mark Cooper
Stress Engineering Services

Second Place
Caterpillar
Shri Neva
SEAL Laboratories

Third Place
George Vander Voort
Consultant-Struers Inc.
Honorable Mentions
Anatase Bird
Babak Anasori, Michael Naguib, Yury Gogotsi, Michel W. Barsoum
Drexel University Department of Materials Science and Engineering

and

Diamond Mace
Haamun Kalaantari, Shaahin Amini, Reza Abbaschian
University of California, Riverside

Class 5 – Artistic Microscopy – Black and White

First Place
Thumbs Up – Spot World
Luis c. Herrera
HEICO Aerospace

Second Place
Hydrogen Heart
Anna Regordosa Romagosa
Univeritat de Barcelona-Funderia Condals SA

Third Place
Iron Oxide
Sheri Neva
SEAL Laboratories

Honorable Mentions
Diatoms
Pankaj Sharma
Buckman International

Diamond Eggs Laid by a Turtle on Seashore
Haamun Kalaantari, Shaahin Amini, Reza Abbaschian
University of California, Riverside