



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

Comparison 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
LehighUniversity

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

Wrought Iron from the Palm House Greenhouse in Kew Gardens, London, Built in 1988-1848
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