2026 International Metallographic Contest

Best In Show - Jacquet-Lucas Award

Engineered surface textures on AA 5083 alloy for marine corrosion protection

Rakesh Choubey, Mohammed Imran Khan, Prof. Sriharitha Rowthu
Indian Institute of Technology Gandhinagar
India

George Vander Voort Award

Real-Time SEM Observation of Phase Transformation in CuSn22 Bronze

Ondřej Ambrož[1], Dr. Petr Horodyský[2]
[1]Institute of Scientific Instruments of the Czech Academy of Sciences, [2]Crytur
Czech Republic

George L. Kehl Award

A Microscopic Road Trip through a Ford Ranger Camshaft

Claire R Schuler, Isabel Shank, Cade Casto
The Ohio State University
United States

DuBose-Crouse Award

Improved Etching Practice to Distinguish Ferrite from Carbide Phases in High Carbon steel for Quantitative Phase Analysis

Muthukumar M, Haran Selvaraj, Sarankumar R, Reddy Kottinti Seetharami, Krishnamoorthy V S, Muniyappa Kumar Bppa
Timken Engineering and Research India Pvt Ltd.
India

Class 1: Light Microscopy

First Place

Revealing Sigma Phase in Cast Duplex Stainless Steel by Heat Tinting

Dr. Ondřej Ambrož[1], Dr. Martin Myška[2]
[1]Institute of Scientific Instruments of the Czech Academy of Sciences, [2]Brno University of Technology
Czech Republic

DuBose-Crouse Award

Improved Etching Practice to Distinguish Ferrite from Carbide Phases in High Carbon steel for Quantitative Phase Analysis

Muthukumar M, Haran Selvaraj, Sarankumar R, Reddy Kottinti Seetharami, Krishnamoorthy V S, Muniyappa Kumar Bppa
Timken Engineering and Research India Pvt Ltd.
India

Class 2: Electron Microscopy

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Indian Institute of Technology Gandhinagar
India

First Place, George Vander Voort Award

Real-Time SEM Observation of Phase Transformation in CuSn22 Bronze

Ondřej Ambrož[1], Dr. Petr Horodyský[2]
[1]Institute of Scientific Instruments of the Czech Academy of Sciences, [2]Crytur
Czech Republic

Second Place

The Broken Hourglass: Brittle phase formation and cracking in a Canyon Diablo meteorite fragment

James S. Bellino, Dr. John W. Elmer
Lawrence Livermore National Laboratory (LLNL)
United States

Third Place

EYE OF THE TIGER

Vishwanatha Kenchikoppada; Haran Selvaraj; Vasanth TS; Seetharami Reddy; Muniyappa, Kumar B.; Srikanth, Madey Luther Paul
Timken Engineering & Research India (p) ltd
India

Class 3: Student Entries

First Place, George L. Kehl Award

A Microscopic Road Trip through a Ford Ranger Camshaft

Claire R Schuler, Isabel Shank, Cade Casto
The Ohio State University
United States

Second Place

The Structure Behind the Swing: A Metallographic Study of Golf Clubs

Jack C. Elam, Ross Duplain, Jack Bailey
The Ohio State University
United States

Third Place

Did You Hear This? The Evolution of Earbud Technology

Valerie Reznik, Kendall Driscoll, Xander LaFreniere
The Ohio State University
United States

Honorable Mention

How Pipes Fail: An Examination of Fracture in a Brass Pipe

Buzhuo Chen, Henry Dennis, Paul Loeser
The Ohio State University
United States

Honorable Mention

Decoding Service History from Microstructure: A Metallographic and SEM-EDS Study of a Power Contactor Contact

Shieny Carissa Gembira, Nafisa Azh Zharifah, Christella Cantika Putri, Maharani Awalia Gempita
Bandung Institute of Technology
Indonesia

Class 4: Color Artistic Microscopy

First Place

Bird of paradise, Austempered Ductile Iron

Łukasz Boroń

Łukasiewicz Research Network – Krakow Institute of Technology

Poland

Second Place

NiTi tree

Seyed Aref Golsorkhi

University of Cincinnati

United States

Third Place

Starry Night

Madhey Srikanth, Vasanth T S

Timken Engineering and Research India pvt ltd

India

Honorable Mention

Peacock Feather

Mr. Santanu Pahari

CSIR-Institute of Minerals & Materials Technology

India

Honorable Mention

Colorful Chaos in a High-Entropy Alloy

Ondřej Ambrož

Institute of Scientific Instruments of the Czech Academy of Sciences

Czech Republic

Class 5: Black and White Artistic Microscopy

First Place

A Comet in EHEA Chaos

Ondřej Ambrož
Institute of Scientific Instruments of the Czech Academy of Sciences
Czech Republic

Second Place

Heritage

Zachary Lucio Tervonen
University of Alberta
Canada

Third Place

Zigzag Additive Alchemy

Prayag A Burad
Iowa State University
United States

Honorable Mention

Lunar Tree

Mr. Santanu Pahari
CSIR-Institute of Minerals & Materials Technology
India

Honorable Mention

Winter

Zachary Lucio Tervonen
University of Alberta
Canada

Honorable Mention

Urchin

Michelle Chambers
United States