Best In Show, Jacquet-Lucas Award

Corrosion Fatigue of Alloy 625 Weld Claddings Exposed to Combustion Environments
Luer, Kevin
Lehigh University
Dept. Materials Science, Whitaker Lab,
5 East Packer Ave.
Bethlehem, PA, 18015 USA

CLASS 1: Light Microscopy - Metals and Metal Alloys

1st Place
Localized Gaseous Corrosion in Thermal Spray Ni50Cr Coatings
Luer, Kevin
Lehigh University
Dept. Materials Science, Whitaker Lab
5 East Packer Ave.
Bethlehem, PA, 18015 USA

2nd Place
Creep Damage Assessment of Serviced Components by In-situ Metallography
Venkataraman, Dr. G
Bharat Heavy Electricals Ltd.
Welding Research Institute
Tiruchirappalli, 620 014 INDIA

3rd Place
How the Addition of Rhenium Effects the Physical Properties of Mo-Re Alloys
Moore, Nancy
Jan-C Carlen
Rhenium Alloys Inc.
PO Box 245, 1329 Taylor St.
Elyria, Ohio, 44036-0245 USA

Honorable Mention
Did You Ever Wonder What Happens When Lightning Strikes An Airplane?
Gammon, Luther
Michael Hyatt, G. Hari Narayanan, Henry Oberson, Harcayal Singh
Boeing Commercial Airline Group
PO Box 3707, MS 73-44
Seattle, WA 98124-2207 USA
CLASS 2: Light Microscopy - All Other Engineering Materials

2nd Place

**TiHyBor**
Gammon, Luther
Dr. Brian S. Hayes, Rodney R. Boyer
Boeing Commercial Airline Group PO Box 3707, MS 73-44
Seattle, WA 98124-2207 USA

2nd Place

**Carbon Microtrees**
Crawford, Paula
John Nugent
Rensselaer Polytechnic Institute
110 Eighth Street
Troy, NY 12180 USA

3rd Place

**Unmasking Sub-Surface Details with Basic Techniques in Light Microscopy**
Scotch, Adam M.
Lehigh University
Materials Science and Engineering
5 E. Packer Ave.
Bethlehem, PA, 18015 USA

CLASS 3: Electron Microscopy - Transmission and Analytical

3rd Place

**Plain-view TEM Observation of an Uneven Film in Multi-layer Films**
Aoki, Shigeri
Toshiaki Yamanaka, Yoshiaki Kamigki, Syuji Ikeda
Hitachi Central Research Laboratory
1-280, Higashi-koigakubo Tokyo 185-8601, Japan

3rd Place

**Atomistic Processes of Si/Si Direct Bonding at Room Temperature**
Kizuka, Tokushi
Kazue Hosoki, Shunji Deguchi, Mikio Naruse
Nagoya University
Dept. of Applied Physics, School of Engineering
Furo-cho, Chikusa-ku,Nagoya, Japan

CLASS 4: Electron Microscopy - Scanning

2nd Place

**Multifaceted Surface Topography in Multiphase Corrosion of C-Steel in Oil and Gas Lines**
Sapre, Kedar
Sudipta Seal, Ajay Kale, Satyajit Shukla, Leyda Bracho, Vimal Desai, Madan Gopal, Paul Jepson
In-Situ Creep Damage Studies of Aged Plants using Gold Sputtered Replicas
Venkataraman, Dr. G.
Bharat Heavy Electricals Ltd.
Welding Research Institute
Tiruchirappalli, 620 014 INDIA

Honorable Mention
Topological Characterization of Ecoceramics by Scanning Electron Stereoscopy
Valera-Ferria F. M.
J. Martinez-Fernandez, M. Singh
NASA Glenn Research Center
MS 106-5, Ceramics Branch
Cleveland, Ohio, 44135-3191 USA

CLASS 5: Unique, Unusual, and New Techniques in Microscopy

1st Place
Vapine - A Novel In-situ Electropolisher for Challenging Material
Venkataraman, Dr. G.
Bharat Heavy Electricals Ltd.
Welding Research Institute
Tiruchirappalli, 620 014 INDIA

3rd Place
Difference of Crack Morphology in 180 deg. Bend-forming of Ti Film Deposited on (011)[100] Single Crystal of Silicon Steel and Stainless Steel Sheets
Yukio Inokuti
Kawasaki Steel Corp
1, Kawasaki, Chuo, Chiba 260, Japan

3rd Place
Magnetically Aligned Microstructure in Fe-C Alloy
Maruta, Kei-ichi
Michio Shimotomai, Yasunori Yonehana
Kawasaki Steel Corp
1, Kawasaki, Chuo, Chiba 260-0835, Japan

3rd Place
Observations of Interaction between Magnetic Domain Wall and Grain Boundary in Grain-Oriented Silicon Steel by Kerr Microscopy
Yagyu, Yukinori
Koichi Kawahara, Sadahiro Tsurekawa, Tadao Watanabe
Tohokuku University
CLASS 6: Color Microscopy

2nd Place
Delamination of the Layered Oxide K4Nb6O17 Due to Hydration
Boatner, L. A.
J. O. Ramey, T. S. Gear
Oak Ridge National Lab
MS-6065, Bldg. 3150
Oak Ridge TN, 37831 USA

3rd Place
Weinov, Dr. Andrey M.
Valerij I. Gorlov
Donbass Mining & Metallurgical Inst.
16 Lenin Ave., Alchevsk, 94204
Lugans Region, UKRAINE

CLASS 7: Artistic Microscopy - Color Only

1st Place
As Cast Microstructure of Al-3.12 wt. % Cu
Crawford, Paula
Rensselaer Polytechnic Institute
110 Eighth Street
Troy, NY 12180 USA

2nd Place
Serra, Juliano Graziel
Companhia Siderrurgica Nacional
RUA 4 N 33 - Bairro Conforto-Volta Redonda
Rio De Janernio, Brasil CEP 27265-610

2nd Place
Aegis Nickeliferus
Luer, Kevin
Lehigh University
Dept. Materials Science, Whitaker Lab,
5 East Packer Ave.
Bethlehem, PA, 18015 USA

CLASS 8: Artistic Microscopy - B&W Only

1st Place
The Cabbage Patch
Witkoski, Karen D.
Naval Surface Warfare Center
Carderock Division
9500 MacArthur Blvd., Code 612
W Bethesda, MD 20817-5700 USA

2nd Place
**Dendrite**
Deschamps, B.
CEA Valrho
CEA VALRHO Pierrelatte, 
DTE/SIM, BP111, 
26702 Pierrelatte, FRANCE

3rd Place
**Anchor In The Sand**
Perodeaud, P.
CEA Valrho
CEA VALRHO Pierrelatte
DTE/SIM, BP111, 
26702 Pierrelatte, FRANCE

Honorable Mention
**Dorsal**
Perret, Ch
CEA Valrho
CEA VALRHO Pierrelatte
DTE/SIM, BP111, 
26702 Pierrelatte, FRANCE

CLASS 9: Undergraduate Student - Metals and Metal Alloys

1st Place
**Evolution of Solidification Microstructure in a Type 304 Alloy**
Adamik, Sharon
Alleghany Ludlum Corp.
Alabama and Pacific Ave.
Brackenridge, PA, 15014 USA

2nd Place
**Effects of Austenitizing Temperature on AISI 1040 Steel**
Sherverbush, William
San Jose St University
Dept. Materials Engineering
One Washington Square
San Jose, CA, 95192 USA

3rd Place
**Metallographic Interpretation of a CuSi Alloy**
Bergevin, Joe
Jarrad Bowen
CLASS 10: Undergraduate Student - All Other Engineering Materials

2nd Place
Effect of Lead-Aluminate + PbO Compound on Microstructure Development in PMN-35 mol% PT
Gorzkowski, Ed
Lehigh University
Dept. Materials Science, Whitaker Lab
5 East Packer Ave.
Bethlehem, PA, 18015 USA

CLASS 11: Digital Microscopy

2nd Place
Digital X-Ray Mapping of Corroded Braze
Jerman, Gregory
NASA Marshall Space Flight Center
MS ED33
MFSC, AL, USA