

International Metallographic Society

BOARD OF DIRECTORS

President:	Jaret J. Frafjord
Vice President:	James E. Martinez
Financial Officer:	David Rollings
Secretary:	Judith L. Arner
Past President:	Richard A. Blackwell
Directors:	George Abraham Michael Covert Daniel P. Dennies Abdallah K. Elsayed Brain J. Joyce Gabriel M. Lucas Coralee McNee
Board Liaison:	Iver E. Anderson

APPOINTED OFFICERS

ASM Interim Managing Director	Terry F. Mosier
Senior Manager, Affiliate Societies	Sarina Pastoric
Administrator, Affiliate Societies	Joanne Miller
SlipLines Managing Editor	Julie Kalista

CORPORATE SPONSORS

IMS Benefactors	Buehler Metkon Instruments Inc. Precision Surfaces International
IMS Patrons	Allied High Tech Products Inc. Metallurgical Supply Co. Inc. Struers Inc.
IMS Associates	Carl Zeiss MicroImaging LLC Evans Analytical Group Hoeganaes Corp. MetLab Corp. Ted Pella Inc.
IMS Sponsors	Exponent IMR Test Labs LECO Corp. Nikon Metrology Inc. Scot Forge Co.

THE 2015 INTERNATIONAL METALLOGRAPHIC CONTEST JUDGING TEAM

Chair:	Steven Gentz, NASA Langley Research Center
Local Chair:	Mark Boling, IMR KHA Chris Bagnall, MCS Associates, Inc. Lisa Deibler, Sandia National Laboratories Lee Garrett, Buehler Alice Kilgo, Sandia National Laboratories Tom Murphy, Hoeganaes Corp. Tim Weber, Buehler

Past Presidents

1968-1971	John H. Bender Jr.
1971-1973	Arthur E. Calabra
1973-1975	E. Daniel Albrecht
1975-1977	James H. Richardson
1977-1979	Robert J. Gray
1979-1981	P.M. French
1981-1983	George Vander Voort
1983-1985	James E. Bennett
1985-1987	William E. White
1987-1989	M.R. Louthan, Jr.
1989-1991	Donald W. Stevens
1991-1993	Ian LeMay
1993-1995	Japnell D. Brown
1995-1997	E. Daniel Albrecht
1997-1999	Mahmoud T. Shehata
1999-2001	Elliot A. Clark
2001-2003	Richard K. Ryan
2003-2005	Allan J. Lockley
2005-2007	Dennis W. Hetzner
2007-2009	David J. Fitzgerald
2009-2011	Frauke Hogue
2011-2013	Natalio T. Saenz
2013-2015	Richard A. Blackwell

We would like to thank the following volunteers who helped organize the M&M 2015 Meeting:

James E. Martinez, *M&M 2015 IMS Co-Chair*
Daniel P. Dennies, *M&M 2016 IMS Co-Chair*
Coralee McNee, *M&M 2017 IMS Co-Chair*
Frederick Schmidt, *Sunday Short Course Instructor*
Rhonda Stroud, *Symposium Co-Chair*
George Vander Voort, *Symposium Co-Chair*
Andre Mkhoyan, *Symposium Co-Chair*
Jay Potts, *Symposium Co-Chair*
Elaine Schumacher, *Symposium Co-Chair*
Ke-Bin Low, *Symposium Co-Chair*
Lucille Giannuzzi, *Symposium Co-Chair*
Masashi Watanabe, *Symposium Co-Chair*
Greg Haugsted, *Symposium Co-Chair*
Jorg Wiezorek, *Symposium Co-Chair*
David Bell, *Symposium Co-Chair*
Brendan Griffin, *Symposium Co-Chair*

Major Society Awards

PRESIDENT'S AWARD (SERVICE TO IMS)

Judith L. Arner (2014)

Judith Arner, senior metallographer at Struers Inc., in Westlake, Ohio, since 1989, received her associate's degree in metallurgical engineering technology from Penn State University, Shenango Valley Campus, Sharon, Pa. Her responsibilities at Struers include developing metallographic techniques for a wide range of materials and teaching metallography, and the use of semiautomatic and automatic metallographic preparation equipment. She also serves as a volunteer "Materials Mentor" at the ASM International Eisenman Materials Camp, helping high-school students learn about metallography.



Judy was presented the 2014 IMS President's Award "in sincere and grateful appreciation for many years of service to IMS as Secretary of the Board of Directors."

History of the IMS Awards

HENRY CLIFTON SORBY AWARD: The Sorby Award was established to recognize outstanding contributions to the field of metallography by an internationally recognized senior figure in the field of metallography. This award is a personalized plaque, and the recipient is honored during the M&M Conference Sorby lecture and at the IMS Annual Meeting banquet.

PIERRE JACQUET-FRANCIS F. LUCAS AWARD: The Jacquet-Lucas Award is given each year to the International Metallographic Contest entry judged "Best in Show" by a panel of judges. This is a joint IMS/ASM award with origins dating back to 1946, and has been endowed by Buehler Ltd. since 1976. The winners receive the Jacquet Gold Medal, the ASM Lucas Award, a cash award, and are honored at banquets at both the IMS Annual Meeting and the ASM Annual Event.

PRESIDENT'S AWARD: This award is presented to an individual deemed deserving of special recognition by the Society. This award is a plaque personalized for the recipient.

BUEHLER TECHNICAL PAPER MERIT AWARD: This award shall be given annually to the authors of the technical paper published that year in the journal Materials Characterization that was determined most outstanding by a panel of IMS judges. A plaque and cash award is given to the recipients each year by Buehler Ltd.

PAST-PRESIDENTS AWARD: This award shall be presented by the Board of Directors to the out-going Past-President in recognition of their contributions to the Society. This award is a plaque personalized for the recipient.

PRESENTATION OF THE IMS AWARD: The awards are presented at the annual banquet on Wednesday, August 5, 2015, at 6:30 PM.

Previous Awardees

1977	Carus K. H. DuBose
1978	Richard D. Buchheit
1979	Arthur E. Calabra
1980	James L. McCall
1981	E. Daniel Albrecht
1982	James H. Richardson
1983	Robert J. Gray
1984	Japnell D. Braun
1986	P. Michael French
1987	George F. Vander Voort
1988	Robert S. Crouse
1989	Ian Le May
1990	William E. White
1991	Chris Bagnall
1992	Gary W. Johnson
1993	Donald W. Stevens
1994	MacIntyre R. Louthan, Jr.
1995	Gunter Petzow
1996	James Nelson
1997	John Wylie
1998	John W. Simmons
1999	William Forgeng, Jr.
2000	Natalio T. Saenz
2001	William W. Scott, Jr.
2002	George Blann
2003	Jeff Stewart
2004	Elliot A. Clark
2005	Chris Bagnall
2006	Art Geary
2007	Richard K. Ryan
2008	Thomas S. Passek
2009	David & Dale Fitzgerald
2010	Jaret Frafjord
2011	Donald F. Susan
2012	Sarina Pastoric
2013	Frauke Hogue

Major Society Awards

JACQUET-LUCAS AWARD

Thomas Nizolek (2014)

The ASM Metallographic Award was established in 1946 for the best entry in the annual ASM metallographic competition. In 1958, it became known as the Francis F. Lucas Metallographic Award. In 1972, ASM joined with The International Metallographic Society (IMS) in sponsoring the Pierre Jacquet Gold Medal and the Francis F. Lucas Award for Excellence in Metallography. This award has been endowed by Buehler Ltd. since 1976.



The 2014 Recipient of the Jacquet-Lucas Award is Thomas Nizolek, a doctoral student at the University of California Santa Barbara, advised by Prof. Tresa Pollock, FASM, for his entry entitled: *Deformation of Bulk Metallic Nanolaminates*.

Nizolek received his B.S. in Materials Science and Engineering from Lehigh University in 2010 where he was a Dean's Scholar and an active member of the local chapter of ASM. During his undergraduate studies, he worked on a variety of research projects on topics including laminated steels, titanium nitride thin films, and titanium-tantalum shape memory alloys.

During the course of his PhD research, Nizolek worked at Los Alamos National Laboratory as part of a team focused on improving the deformation processing and properties of bulk bimetallic nanolaminates. He is a previous Jacquet-Lucas recipient (2008), a Department of Defense NDSEG fellow, and a member of ASM since 2005.

Previous Awardees

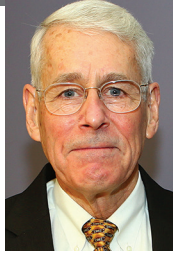
1946	G.R. Kuhn
1947	R.H. Hays
1948	E.C. Pearson
1949	D.H. Rowland
1950	S.O. Modin
1951	H.P. Roth
1952	H. Griffin
1953	B.C. Leslie, R.J. Gray
1954	R.D. Buchheit, J.E. Boyd, A.A. Watts, F.C. Holden
1955	F.M. Cain, Jr.
1956	D. Mannas
1957	T.K. Bierlein, B. Mastel
1958	J.C. Gower, E.P. Griggs, W.E. Denny, J.E. Epperson, R.J. Gray
1959	F.M. Beck
1960	G.C. Woodside
1961	J.F. Radavich, W. Coutts, Jr
1962	D. Medlin
1963	W.C. Coons
1964	B.C. Leslie, R.J. Gray
1965	W.C. Coons, A. Davinroy
1966	D.M. Maher, A. Eikum
1967	J.F. Kisiel
1968	R.M.N. Pelloux, Mrs. H. Wallner

1969	R.H. Beauchamp, R.P. Nelson
1970	D.R. Betner, W.D. Hepfer
1971	R.J. Gray
1972	C.J. Echer, S.L. Digiallonardo
1973	M.S. Grewal, B.H. Alexander, S.A. Sastri
1974	M.P. Pinnel, D.E. Heath, J.E. Bennett, G.V. McIlharagie
1975	W.C. Coons
1976	L.E. Soderqvist
1977	R.H. Beauchamp, D.H. Parks, N.T. Saenz, K.R. Wheeler
1978	C. Bagnall, R. Witkowski
1979	M.J. Bridges, S.J. Dekanich
1980	R.H. Beauchamp, K. Fredriksson
1981	F. Kurosawa, I. Taguchi, H. G. Suzuki
1982	M.J. Carr, M.C. Mataya, T.O. Wilford, J.L. Young
1983	V. Carle, E. Schmid
1984	R.H. Beauchamp, N.T. Saenz, J.T. Prater
1985	U. Taffner, R. Telle
1986	N.T. Saenz, C.A. Lavender, M.T. Smith, D.H. Parks, G.M. Salazar
1987	S.A. David, J.M. Vitek, C.P. Haltom, A.G. Barcomb
1988	A. David, J.M. Vitek, A. Boatner, G.C. Marsh, A.B. Baldwin
1989	G. Hoerz, M.C. Kallfass
1990	A. David, J.M. Vitek, A.B. Baldwin
1991	M.R. Jones
1992	G.F. VanderVoort
1993	T. Leonhardt, F. Terepka, M. Singh, G. Soltis
1994	J.W. Simmons, B.S. Covino, Jr., S.D. Cramer, J.S. Dunning
1995	Kamal, K. Soni, R. Levi-Setti, S. Shah, S.J. Gentz
1996	R.L. Bodnar, S.J. Lawrence
1997	J. Yewko, D.L. Marshall
1998	R. Pereyra, E.G. Zukas
1999	K.R. Luer
2000	D.J. Lewis, S. Allen
2001	D. Chakrapani
2002	F.F. Noecker, II
2003	F.F. Noecker, II
2004	R. Unocic, P.M. Sarosi, M.J. Mills
2005	K. Kimura, S. Hata, S. Matsumura, T. Horiuchi
2006	R. Deacon
2007	K.A. Unocic, G.S. Daehn
2008	T. Nizolek
2009	B. Gerard
2010	C. Roberts
2011	C. Marvel
2012	Z. Luo
2013	N. H. Alharthi

HENRY CLIFTON SORBY AWARD

David K. Matlock (2014)

David K. Matlock received his B.S. in engineering science from the University of Texas at Austin. He then attended Stanford University in California where he received his M.S. and PhD in materials science and engineering and also served as a research assistant. His early career included working at Esso Production Research Co. in Houston and Lawrence Radiation Laboratory in Livermore, Calif.



The bulk of his career was spent teaching at the Colorado School of Mines. He started out as an Assistant Professor in 1972, was the Armco Foundation Forgarty Professor (1980-2013), and is now Emeritus Professor at the school. He also has served as the Director of Advanced Steel Processing and Products Research Center at the Colorado School of Mines.

His specialty courses include Mechanical Properties of Materials, Metal Forming Operations, Analysis of Metallurgical Failures, Fatigue and Fracture, and Strengthening Mechanisms.

He is a member of ASM, AIME, ASTM, SAE, and AIST. Over 400 publications, primarily related to microstructures and mechanical properties with an emphasis on steels, bare his name.

He is a member of the National Academy of Engineering, Honorary Member of AIME, and Fellow of the American Welding Society. His numerous awards also include the AIME Robert Lansing Hardy Gold Metal (1975), the ASM Bradley Stoughton Award for Young Teachers in Metallurgy (1979), SAE/AISI Sydney H. Melbourne Award (1998), three time winner of the AIST Jerry's Silver Awards, and American Iron and Steel Institute Medal (2013).

Previous Awardees

1976	Georg L. Kehl
1977	Cyril Stanley Smith
1978	Adolph Buehler
1979	Frederick N. Rhines
1980	Len E. Samuels
1981	Robert J. Gray
1982	Gunter Petzow
1983	William D. Forgeng
1984	Ervin E. Underwood
1985	Alan Price
1986	Robert W. K. Honeycombe
1987	Gareth Thomas
1988	Franz Jeglitsch
1989	Tanjore R. Anantharaman
1990	E. Daniel Albrecht
1991	W. C. Leslie
1992	Charles S. Barrett
1993	Raimond B. Castaing
1994	F. Brian Pickering
1995	Erhard Hornbogen
1996	Peter Duncumb
1997	Robert T. DeHoff
1998	Kay Geels
1999	Joseph Goldstein
2000	Hans Eckhart Exner
2001	Brian Ralph
2002	Walter Mannheimer
2003	Enrica Stagno
2004	George F. Vander Voort
2005	Iain LeMay
2006	Arlan Benschoter
2007	McIntyre R. Louthan, Jr.
2008	Lawrence E. Murr
2009	Chris Bagnall
2010	Albert C. Kneissl
2011	David Williams
2012	Michael Pohl
2013	Arun M. Gokhale
2014	Stanley P. Lynch