

International Metallographic Society

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Past Presidents

1968–1971	John H. Bender Jr.	1981–1983	George Vander Voort	1991–1993	Ian LeMay	2003–2005	Allan J. Lockley
1971–1973	Arthur E. Calabra	1983–1985	James E. Bennett	1993–1995	Japnell D. Brown	2005–2007	Dennis W. Hetzner
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1979–1981	P.M. French			2001–2003	Richard K. Ryan		

2014 IMS Awards



President's Award
Frauke Hogue

Frauke Hogue, FASM, received her education in metallography and testing of materials in Berlin, Germany.

In 1967 she moved to the Los Angeles area and worked for Voi-Shan, a manufacturer of aerospace fasteners, in the Quality Control laboratory for 10 years. 1981 Frauke became an independent consultant in metallography, working mainly in the greater Los Angeles area, providing metallographic services to failure analysis companies.

Since 1985 she has been teaching intensive courses at ASM International and at companies throughout the United States and abroad. Frauke developed "Practical Interpretation of Microstructures" in 1998 which consists of a collection of about 300 mounts and a notebook of annotated images of various materials and conditions. This was followed by "Metallography for Fasteners" and "Metallography for Failure Analysis".

Other projects that ASM Frauke is involved in are: Mentor for Materials Camp since the inception in 2000 and the Micrograph Data Base. She has been involved with IMS for over 20 years, attending conferences, presenting papers and being part of the Board of directors.

Her interests are classical music, exploring the desert around Joshua Tree National Park, color metallography and meteorites.



Jacquet-Lucas Award
Nabeel Hussain Alharthi

Nabeel Hussain Alharthi graduated from the mechanical engineering department of King Abdulaziz University (KAU), Jeddah, Saudi Arabia, 2001, after which he joined Saline Water Conversion Corporation in Jubail, Saudi Arabia as a mechanical engineer for one year. In 2003, he moved back to Jeddah to work for Saudi Arabian Airlines for four years as a material specialist. In 2007, he began working at King Saud University at Riyadh and received a scholarship to pursue the Master of Science and Doctor of Philosophy.

In 2008, he joined Lehigh University, Bethlehem, PA. In 2011, he received his M.Sc. in Mechanical Engineering and Mechanics from Lehigh University. He is currently a Ph.D. candidate in Mechanical Engineering and Mechanics department at Lehigh University working with Prof. Wojciech Misiolek in Institute for Metal forming.

2014 IMS Awards



**2014 Henry Clifton
Sorby Award**
Stanley P. Lynch

Henry Clifton Sorby Award Stanley P. Lynch

Stan Lynch (FASM) grew up in Liverpool, England before obtaining his B.Sc, M.Sc, and PhD degrees from the University of Manchester, Institute of Science and Technology, Dept. of Metallurgy. He has worked at the Defence Science and Technology Organisation (DSTO), Melbourne, Australia since then – with time off for good behaviour back in the UK on sabbaticals at the Royal Aerospace Establishment in Farnborough (1988-1989) and Alcan/Open University (1984). He also has an adjunct position at Monash University, Melbourne, where he has co-supervised a number of PhD students. Stan has focused on understanding the mechanisms of fatigue and fracture using a variety of metallographic and fractographic techniques, and has used this knowledge to determine the modes and causes of failure of structures and components in aeronautical, maritime, and other industries. Understanding the effects of environment on fatigue and fracture has been a particular focus, and he has published widely on stress-corrosion cracking, hydrogen-embrittlement, and liquid-metal embrittlement (often using mercury – which could account for some character traits!). He has proposed that many (but certainly not all) forms of environmentally assisted cracking can be explained by an Adsorption-Induced Dislocation Emission (AIDE)/Void-Coalescence mechanism, which still seems to be controversial. Stan has been an associate editor of several journals (e.g. *Acta and Scripta Materialia*, *Journal of Failure Analysis and Prevention*), and has presented lectures and courses in numerous countries around the world. His ‘outside’ interests include football (soccer), tennis, skiing, hiking, and more recently, cycling around Asia (Nepal, Thailand, Cambodia, Burma, Bali).

2014 IMS Society Awards

President's Award (Service to IMS)

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 Nat 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

Henry Clifton Sorby Awards

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 Bencotter
 2007 MacIntyre 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

Jacquet-Lucas Award For Excellence in Metallography

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

2014 IMS Society Awards

Jacquet-Lucas Award For Excellence in Metallography - (continued)

1990 A. David, J.M. Vitek, A.B. Baldwin	1998 R. Pereyra, E.G. Zukas	2008 T. Nizolek
1991 M.R. Jones	1999 K.R. Luer	2009 B. Gerard
1992 G.F. VanderVoort	2000 D.J. Lewis, S. Allen	2010 Hendrik O. Colijn and Christopher G. Roberts
1993 T. Leonhardt, F. Terepka, M. Singh, G. Soltis	2001 D. Chakrapani	2011 Christopher Marvel
1994 J.W. Simmons, B.S. Covino, Jr., S.D. Cramer, J.S. Dunning	2002 F.F. Noecker, II	2012 Zhiping Luo
1995 Kamal, K. Soni, R. Levi-Setti, S. Shah, S.J. Gentz	2003 F.F. Noecker, II	2013 Nabeel Hussain Alharthi
1996 R.L. Bodnar, S.J. Lawrence	2004 R. Unocic, P.M. Sarosi, M.J. Mills	
1997 J. Yewko, D.L. Marshall	2005 K. Kimura, S. Hata, S. Matsumura, T. Horiuchi	
	2006 R. Deacon	
	2007 K.A. Unocic, G.S. Daehn	

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.

The 2013 International Metallographic Contest Judging Team

Chair: Alice Kilgo, Sandia National Laboratories
Local Chair: Brian Rose, Columbus Technical Center
Steven Gentz, NASA Marshall Space Flight Center
Tom Murphy, Hoeganaes
Chris Bagnall, Product Evaluation Systems Inc.
David Chang, Rolls-Royce Corporation
Amber Trees, SEMTEC Laboratories Inc.
Lee Garrett, Buehler

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 AWARDS—The awards are presented at the annual banquet on Wednesday, August 6, 2014, at 6:30 PM.

We would like to thank the IMS Members who helped organize the M&M 2014 Conference

James Martinez, *M&M 2014-2015 IMS Co-Chair*
Frauke Hogue, *Symposia Co-Chair*
Frank Mücklich, *Symposia Co-Chair*
Rhonda M. Stroud, *Symposia Co-Chair*
Zack Gainsforth, *Symposia Co-Chair*
Daniel P. Dennies, *Symposia Co-Chair*
Ronald J. Parrington, *Symposia Co-Chair*
S.K. Sundaram, *Symposia Co-Chair*
Edward P. Vicenzi, *Symposia Co-Chair*
Marc Walton, *Symposia Co-Chair*
Loïc Bertrand, *Symposia Co-Chair*
Alice Kilgo, *International Metallographic Contest Chair*
Jeff Stewart, *International Metallographic Contest Local Chair*