

Wednesday, September 10

The Morphology and Metallurgy of Anodic Coatings on Aluminum

Dr. Arthur Brace
Aluminum Finishing Consultant

*New meeting
location!*

*Please remember to indicate a
meal selection when you sign up!*

5:30 pm Social/Networking.....6:15 pm Dinner.....7:30 pm Speaker

Meeting Location:

Michael's at Shoreline
2960 Shoreline Blvd.
Mountain View
(650)962-1014

Dinner Cost: ASM Members \$20, Students \$10, Guests \$25

Meal Choices: NY Peppercorn Steak, Chicken Marsala, or Vegetarian Lasagna

RESERVATIONS REQUIRED:

Stacy Ewert at (408) 742-2521 or stacy.s.ewert@lmco.com
Reservation deadline is 1pm on Monday, Sep 8 (\$5 late fee after this time)



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Meeting Directions

To get to **Michael's at Shoreline** from highway 101, exit at **Middlefield Rd. / Shoreline Blvd.** Head **north** on **North Shoreline Blvd.** Michael's is at the end of North Shoreline adjacent to the Shoreline golf course, about 2 miles from 101.

RETURN SERVICE REQUESTED

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Have You Moved Recently?

If so, please remember to correct your address by logging onto the national website, www.asminternational.org, where you can review and update your membership record.

About the Topic

The Morphology and Metallurgy of Anodic Coatings on Aluminum

This presentation reviews the current state of knowledge of the morphology and metallurgy of anodic coatings produced in oxide-solvent electrolytes, such as dilute sulfuric acid. Attention is drawn particularly to the factors affecting the properties of the anodic coatings produced and their morphology. The influence of the metals in solid solution and those present as inter-metallics is considered in relation to their effect on film formation and structure. The mechanism of sealing of anodic coatings is discussed, particularly in relation to work carried out assessing the effects of hydrothermal sealing on the corrosion resistance and dielectric properties of hard anodic coatings.

About the Speaker

Dr. Arthur Brace

Aluminium Finishing Consultant

Dr. Arthur Brace is a native of Bristol, England and is an internationally recognized authority on the anodizing of aluminum. He has published numerous papers and is author of *The Technology of Anodizing Aluminium* and *Anodic Coating Defects*. Dr. Brace has served as a United Nations expert in Argentina, China and Iran. He has also consulted and lectured in the Arabian Gulf, Australia, Europe, Singapore and the United States.

Dr. Brace has received numerous awards for his contributions to aluminum finishing including the Sam Wyman Award of the American Electroplaters and Surface Finishers Society, the Hothersall Memorial Medal and the Jim Kape Memorial Medal of the Institute of Metal Finishing. He is a Fellow of the American Electroplaters and Surface Finishers Society, as well as three Professional Institutes in the United Kingdom. He holds an Honors degree in Economics from the London School of Economics and a Doctorate in Production Engineering from the University of Aston in Birmingham, England. Dr. Brace is also a Chartered Professional Engineer.

September is Past Chairs' Night

One of our traditions in the Santa Clara Valley Chapter is to designate the September meeting as **Past Chairs' Night**. This means that we will take a moment at the meeting to recognize our past chairs for their service to the chapter. More importantly, it means that if you're a past chair, you'll get a free dinner! Again last year we had a "two chair" year. Janine Kardokus served the first part of her term, but her relocation out of the area forced Vice Chair HuiHui Lin to step in and serve the remainder of her term. Here is a full listing of our 48 past chairs:

Ralph Parkman	1957-1958	Edward Kaminski	1973-1974	Gary Holmquist	1989-1990
Perry Slocum	1958-1959	John Leatherman	1974-1975	John Mardinly	1990-1991
Howard Sumsion	1959-1960	Jerry Dassell	1975-1976	Cal Augason	1991-1992
Malcom Davis	1960-1961	Frank Crossman	1976-1977	Jim Lewis	1992-1993
Oleg Sherby	1961-1962	Elliott Willner	1977-1978	Gary Wozadlo	1993-1994
Al Spencer	1962-1963	Linda Clements	1978-1979	Al Kwong	1994-1995
Edward Wright	1963-1964	Elliott Rennhack	1979-1980	Leonard Migliore	1995-1996
Robert Johnson	1964-1965	Patrick Pizzo	1980-1981	Bob Wallace	1996-1997
Marvin Buehler	1965-1966	Harry Wachob	1981-1982	Jamie Sandoz	1997-1998
Robert Hansen	1966-1967	Robert Elliott	1982-1983	Paul Flowers	1998-1999
Donald Crooks	1967-1968	Robert Caligiuri	1983-1984	Scott Dickerson	1999-2000
Raymond Fenn	1968-1969	Dave Himmelblau	1984-1985	Lou Wirtz	2000-2001
Alfred Goldberg	1969-1970	Charles Schmidt	1985-1986	Wendy Chung	2001-2002
William Donnelly	1970-1971	Brian Boggs	1986-1987	James Knowles	2001-2002
Sheldon Roberts	1971-1972	Rosemarie Koch	1987-1988	Janine Kardokus	2002-2003
Roger Perkins	1972-1973	Surya Pattanaik	1988-1989	HuiHui Lin	2002-2003



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Upcoming Events

Sep 15: PMI, "Using Project Management to Build Dynamic Capabilities". Visit www.pmisv.org/evening.htm

Sep 17: ASQ, "Mini-conference on Lean, Six Sigma, and Lean Six Sigma.". Visit www.asq-silicon-valley.org/index.cfm?EventID=10624&SectionID=11

Sep 17: IEEE-CPMT, "Copper Low-k Wire Bonding". Visit cpmt.org/scv

Sep 18: ASME, "Failure Analysis of Plastics and Polymers -Biomedical, Petroleum, Structures". Visit www.asme.org/sections/scvs

Sep 23: IEEE-LEOS, "Masers and Lasers: How They Came to Be". Visit www.silicavalley.com

Sep 25: ACS, "Chemistry at Nanopatterned Interfaces - Surface Modification of Imprinted Polymers". Visit www.sevacs.org/Local_Folder/din_mtg.html


Sep 25: AIAA, "Evidence of ET Intelligence". Visit www.aiaa-sf.org

Oct 8: IEEE-CPMT, "Flexible Automation - Going Where Human Eyes and Fingers Cannot Go". Visit cpmt.org/scv

Oct 9: SME, "Tech Seminar: Applying Lean MFG in Different Industries". Visit chapters.sme.org/098/

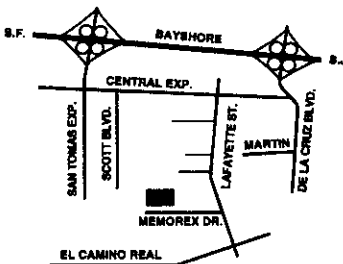
Nov 16: AIChE, "Symposium on California's Fuel Cell Industry". Visit www.aiche-norcal.org/meetings.html

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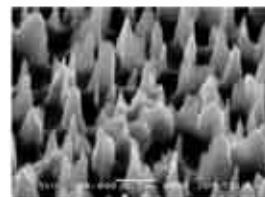
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Vice Chair:

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Treasurer:

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Secretary:

Stacy Ewert (408) 742-2521

Executive Committee

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Ed Francis (408)653-1700

Alfred Kwong (408)248-1916

Fred Landry (650)508-8700

Mingwei Li (650)966-5735

Stephanie Patterson (408)742-5160

Ramas Raman (408)295-8976

Gabriel Toea (650)474-0160

Lou Wirtz (408)756-0621

Shari Yokota (650)954-4065

Special Positions

SVEC Rep:

Ed Kaminski (408)241-4842

Newsletter Editor:

Scott Dickerson (408)986-3655

Thanks to our ASMI-SCV Sustaining Member:

CSU - Fresno Henry Madden Fresno

Would your company like to support the chapter by being a sustaining member? To find out more, contact Jacques Matteau at (650)591-7787.

Executive Committee Meetings: ASM-SCV Executive Committee meetings are held in September, October, January, March and May. Any member can attend! Call Jacques Matteau at (650)591-7787 for meeting times and locations, and to reserve a seat at the table.



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for more information on your ASM Chapter!

Newly Elected Officers and Executive Committee Take Office

As you know, September is the beginning of our "Chapter Year", the time when the officers and Executive Committee members elected in the previous spring begin to meet regularly and work in earnest. This year we welcome 5 new Executive Committee members: Ed Francis, Al Kwong (who has served before), Fred Landry, Stephanie Patterson, and Shari Yokota. We also welcome Richard Chung to the post of Treasurer, and Stacy Ewert to the position of Secretary. We were expecting to welcome HuiHui Lin to the Chair position, however unforeseen circumstances required that HuiHui relinquish the position to which he was elected last May. With the Chair position thus vacated, Jacques Matteau, who was elected the Vice Chair position in May, agreed to step up to Chair position, as permitted by ASM-SCV Chapter bylaws.

Needless to say, this leaves us without a Vice-Chair! The Chapter bylaws permit the Executive Committee to make a replacement selection in circumstances such as these, and this activity is currently underway. We will update you next month with the final Officer and Executive Committee roster.

Once again, we welcome the new committee members, and thank all of our SCV Chapter leaders (both new and "used") for their service in these important roles.

2003-2004 Technical Program

Sep 10	The Morphology and Metallurgy of Anodic Coatings on Aluminum (Dr. Arthur Brace, Consultant)	Past Chair's Night
Oct 8	Shape Memory Alloys & Lasers (Mingwei Li, Spectra-Physics)	
Nov 12	Corrosion (Speaker TBA)	
Dec 10	Artificial Muscle (Speaker TBA)	Companion's Night
Jan 14	From Sand to Chips - Manufacturing Computer Chips (Speaker TBA)	SCV Fellow's Night
Feb 11	Bioceramics (Dr. James Shackelford, UC Davis)	Joint with ACerS
Mar 10	Flat Panel Displays (Speaker TBA)	
Apr 21	TBD	Joint with SAMPE Student Posters & Scholarships
May 12	TBD	Trustee's Night Awards & Elections Night