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Michael Mallamaci, Editor

## Letter from the President



Dear Colleagues and Friends,

I hope that you are all making your plans to attend Microscopy & Microanalysis 2010 on August 1-5, 2010 at the Oregon Convention Center in beautiful Portland, Oregon. Portland, the City of Roses, is a welcoming venue for the meeting. Many of us have fond memories of our last Portland meeting in 1999. For me, personally, that meeting marked the beginning of my involvement with the meeting and

society organization. This has been a challenging and gratifying 12 years, and as always I am looking forward to the new science and old friends I always find at the meeting. As you know from the meeting literature and web site, we are once again welcoming the Microscopical Society of Canada/Société de Microscopie du Canada as a co-sponsor of M&M this year. Along with our long-time partners in the Microbeam Analysis Society and meeting regulars from the International Metallographic Society, we expect a diverse group of attendees both in terms of scientific focus and geography.

As is always the case, M&M 2010 promises to be the epitome of scientific diversity, spanning disciplines from the life sciences to the physical sciences. The strength of the meeting is the unification of these applications through common tools and approaches. It is always a challenge to branch out of our comfort zones, but some of the best interactions for me have come when I’ve wandered into an interesting symposium outside my field. The program committee has developed a strong program highlighting fields such as nanotechnology, which touches every aspect of modern scientific research. Many interdisciplinary symposia have been organized, reflecting the current environment of collaboration between scientists in different disciplines. I encourage each of you to take advantage of the opportunity to learn something truly new and unexpected at the conference.

Again this year, we will kick off the meeting with a plenary session on Monday morning featuring Dr. Mark Welland and highlighting the winners of our major societal awards. The plenary session was a great hit last year and promises to be an integral part of the meeting for years to come. I hope that all attendees will come to honor the accomplishments of our members and hear the key note talks that focus on the “big picture” rather than the details that rightfully dominate the technical presentations. Of course, the meeting will have all of the regular features you have come to expect: The exhibits will demonstrate state-of-the-art equipment, and the popular vendor tutorials will continue to be a significant part of the meeting. The meeting also offers numerous educational opportunities through tutorials and workshops to be held during the meeting as well as the Sunday Short Courses.

Scientific meetings that are educational, enlightening, and intellectually vigorous are the lifeblood of any society and M&M2010 is no different for MSA. I look forward to joining all of you in Portland and hearing about all of the instrumentation developments and research results from the past year. See you in Portland!

David Piston, 2010 MSA President

## NEWS FLASH: M&M Late Breaking Posters

Late Breaking Posters will be presented on Tuesday afternoon in the Exhibition Hall. Although they will not be published in the annual Proceedings, they are available on-line on the Meeting WWW site at:

<http://microscopy.org/MandM/2010/posters.cfm#Late-Breaking>

To preview a PDF of poster paper submission just click on the individual poster title.

## M&M Tours Available to All Attendees, Registration Deadline Approaches

The M&M 2010 Local Host Committee (LHC) has put together several great activities for you to participate in while you are in town for the meeting in Portland. Wine, beer and scenery — three of Portland's most appealing aspects — are represented here. Here is a quick review of the tours available. Registration for these activities must be completed separately from your meeting registration.



### "Taste Oregon's Bounty" Wine Tasting

Sunday, August 1st

Here's a great opportunity to discover Oregon's wines for only \$25.00 per person! Oregon is one of the world's premier regions for growing and making Pinot Noir, and produces great white and rose wines as well. Great Wine Buys in Portland will provide a short synopsis on the varieties available and guide you through a tasting of five different wines. There is no fee to attend this event, though a separate registration is required.

### Annual M&M Golf Tournament

Sunday, August 1st

Tee time is 8:45 AM. The fee is \$100/person and will include greens fees, golf cart, range balls, lunch and transportation to and from the Oregon Convention Center. No tickets are necessary, but registration is required.



### "Take a Ride on the Portland Brew Bus!" Micro-Brew Tour & Tasting

Tuesday, August 3rd

Get ready for a fun, educational tour of Portland to several different breweries, where you can sample appetizers and 15-20 fresh beers. Learn from the on-board guide about "Portland and Oregon Firsts," its craft brewing, and why Portland has over three dozen breweries (more than any city in the world!). No tickets necessary, though a fee of \$50.00 and separate registration are required.



### Portland Dinner Cruise

Wednesday, August 4th

Tickets for this event are required and must be purchased for \$45.00 on or before August 2nd. Join fellow M&M attendees for a chartered, 2.5-hour sail aboard the Portland Spirit, a 150' yacht with panoramic views from the three public decks, two of which are enclosed and climate-controlled. The cruise will take you on a unique tour through downtown Portland on the Willamette River, while you enjoy a delicious made-to-order dinner with salmon, chicken and vegetarian main-course options and plated dessert.

## 2010 Class of MSA Fellows Announced, Nominations now Open for 2011

Eleven distinguished colleagues from around the world have just been designated as MSA Fellows and will be presented with their Fellowship certificates at the upcoming M&M meeting. They include Ralph Albrecht, Lawrence F. Allard, Kenneth H. Downing, Joseph I. Goldstein, Michael Isaacson, Michael K. Miller, George Pappas, Stephen J. Pennycook, John P. Petrali, Zhong L. Wang and David B. Williams. Congratulations to all new MSA Fellows.

Nominations are now open until September 30th for the next group of Fellows. Nominations may be submitted at <http://microscopy.org/awards/fellows.cfm>. The designation of "MSA Fellow" is intended to recognize senior distinguished members of the Society who have made significant contributions to the advancement of the science and practice of microscopy imaging, analysis and diffraction techniques. Such notable contributions could include, for example, technique development or applications, extensive service to the microscopy profession (e.g., education, outreach) or distinguished service to the Society. Election to MSA Fellow is highly selective but should represent a broad cross-section of the MSA membership. A minimum of ten years MSA membership is required, except in very special circumstances, and no self-nominations will be accepted.



Ralph M. Albrecht



Lawrence F. Allard



Kenneth H. Downing



Joseph I. Goldstein



Michael K. Miller



Stephen J. Pennycook



John P. Petrali



Zhong L. Wang



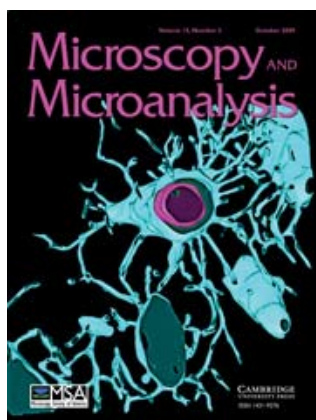
David B. Williams



Michael Isaacson



George Pappas



## Best Paper Awards Announced

The *Microscopy and Microanalysis Journal* has announced its Best Papers for Volume XV. Included are the Best Biological Paper, *Nanogold as a Specific Marker for Electron Cryotomography*, by Yongning He, Grant J. Jensen and Pamela Bjorkman (pg. 183-188), Best Materials Paper, *EELS of Niobium and Stoichiometric Niobium-Oxide Phases – Part I: Plasmon and Near-Edges Fine Structure*, by David Bach, Dagmar Gerthsen, Jo Verbeeck and Wilfred Sigle (pg. 503-523), and Best Techniques Paper, *Contrast Mechanisms and Image Formation in Helium Ion Microscopy*, by David C. Bell (pg. 147-153). Congratulations to all of our award winners.

## M&M Going "Green", Offering Short Course and In-Week Workshop Materials On-line

All organizations are attempting to go "green" these days, and MSA is no exception. For the first time in 2010, M&M attendee's that are enrolled in either the Sunday Short Courses (X10-21) or the In-week Intensive Workshops (X22-24) will be able to download lecture content from the M&M web site. This content will be made available by the instructors just prior to the start of the M&M, as well as during and up to a week following the conclusion of the meeting. Specific attendee IDs and passwords will be distributed electronically to registered participants prior to the start of the meeting. Comments regarding this new service are welcome!



## PNMS Plans Post-M&M Cruise to Alaska!

The Pacific Northwest Microscopy Society (PNMS) is offering a post-meeting cruise to Alaska! Ship sets sail from downtown Seattle and travels to Juneau, Sitka, Ketchikan, and Victoria, Canada. Cruise with your fellow M&M attendees; sail past enormous glaciers; see whales, bald eagles, and pristine wilderness, and spend a week on the luxurious Holland America Zaandam! Sail dates are from August 6-12, 2010. To book passage, or for more details, call (503) 641-7447 or (800) 848-7120, or email [info@finevoyages.com](mailto:info@finevoyages.com). Holland America urges you to book soon for the best availability!

## MSA Web Site "Call for Images"

Along with the images, please revise as follows: Original images should be submitted in uncompressed industry standard file formats (Raw, TIFF, ...) which will be down sampled as appropriate for use on the MSA WWW site or its publications. All image submissions must include a title/description of the image, how and where it was acquired and full identification of the author and their affiliation so that credit to the work can be acknowledged appropriately. Newly-submitted files and file transmission-related questions may be sent to [pdoherty@microscopy.org](mailto:pdoherty@microscopy.org).

## Deadline for Next CEMT Certification Exam is Fast Approaching

The application deadline for certification cycle number 64 is coming up fast. Applicants must submit their forms and fees on or before September 13, 2010. All correspondence is to be sent to the MSA Headquarters office in Reston, VA. More information is available on the web site at <http://microscopy.org/education/programs.cfm> or by calling 1 (703) 234-4115.

## Thank You to All M&M 2010 Sponsors!

Many generous sponsors have stepped up to the plate to support this year's annual meeting sessions as well as the overall program. Please join us in thanking our sponsors for their commitment to the field of microscopy. Those attending the M&M in Portland are encouraged to stop by each company's exhibit booth. Most M&M sponsors also make the commitment to exhibit at the meeting.

Sponsors include (in order of support): Overall Meeting Sponsors: FEI Company, Leica Microsystems, Carl Zeiss SMT, JEOL, Omniprobe, Tescan USA, Veeco, Agilent Technologies, International Centre for Diffraction, Cambridge University Press, Omniprobe, Invitrogen (a part of Life Te), SII Nano Technology, UF Edge. Platinum Symposia Sponsors: JEOL, Leica Microsystems. Gold Symposia Sponsors: Thermo Scientific. Silver Symposia Sponsors: Oxford Instruments, Gatan. Bronze Symposia Sponsors: HREM Research, Inc.

# NATIONAL/INTERNATIONAL EVENTS

## 2010

### Aug 1 – 5, 2010

*Microscopy & Microanalysis 2010*

Sponsors: MSA, MAS, IMS

Location: Portland, OR, USA

Aug 22 – 26, 2010

The American Chemical Society

Location: Boston, MA, USA

<http://www.microscopy.org/MandM/2010/index.cfm>

### August 22 – 26, 2010

*The American Chemical Society*

Location: Boston, MA, USA

<http://portal.acs.org/portal/acs/corg/content>

### September 19 – 24, 2010

*International Microscopy Congress (IMC-17)*

Location: Rio de Janeiro, Brazil

<http://www.imc-17.com/>

### October 3 – 8, 2010

ESF-EMBO Symposium

Location: Sant Feliu de Guixols, Spain

<http://www.esf.org/conferences/10326>

### October 19 – 21, 2010

NANOSMAT-5

The 5th International Conference on Surfaces,  
Coatings and Nanostructured Materials

Reims, France

Email: [info@nanosmat-conference.com](mailto:info@nanosmat-conference.com)

<http://www.nanosmat-conference.com>

### November 13 – 17, 2010

Neuroscience 2010

San Diego, CA, USA

Email: [info@sfn.org](mailto:info@sfn.org)

<http://www.sfn.org/>

### December 11 – 15, 2010

American Society for Cell Biology

50th Annual Meeting

Location: Philadelphia, PA, USA

<http://www.ascb.org>



## 2011

### August 7 – 11, 2011

Microscopy & Microanalysis 2011

Location: Nashville, TN, USA

### August 28 – September 2, 2011

Microscopy Conference MC 2011

Location: Kiel, Germany

<http://www.mc2011.de>

## 2012

### July 29 – August 2, 2012

Microscopy & Microanalysis 2012

Location: Phoenix, AZ, USA

## 2013

### August 4 – 8, 2013

Microscopy & Microanalysis 2013

Location: Indianapolis, IN, USA