

# Minnesota Microscopy Society

Local affiliate of the *Microscopy Society of America*  
and the *Microbeam Analysis Society*



Newsletter

December 2008

## “Image Analysis That Works” By Jerry Sedgewick, University of Minnesota

**Date:** Thursday, January 15, 2009

**Location:** Imation Corp.  
1 Imation Place  
Oakdale, MN

### Schedule

- 7:30 – 8:00 A.M. Continental Breakfast
- 8:00 – 11:30 A.M. \*Overview: Four major methodologies for image analysis
- \*Computer aided image analysis: for all measurements but optical intensity/density measurements
- \*Stereology: unbiased sampling
- 11:30 – 12:00 P.M. Lunch – Eat in, boxed lunches
- 12:00 – 4:30 P.M. \*Combining unbiased sampling methods with computer aided analysis: dividing images into sections, determining the number of sections to measure
- \*Manual methods: methods for counting, ways to speed up manual outlining of features in Photoshop

### Registration:

The cost of the workshop will be \$100. This fee includes the workshop, continental breakfast, lunch and coffee breaks. The registration **deadline is Wednesday January 7th, 5 PM**. Please complete the attached registration form and fax to 763-208-7741, e-mail to [reservations@mnmicroscopy.org](mailto:reservations@mnmicroscopy.org), or mail completed form with check (made out to MMS) to:

MMS Treasurer  
4763 Decatur Ave N  
New Hope MN 55428



### Location Map

Imation Corp. is off highway 5 about 1/3 miles west of Hwy 694.

## Sustaining Members

Sustaining members are the backbone of financial support for the Society. These members make it possible for the Society to support Project Micro and to cover many expenses of the regular meetings and the Spring Symposium. We greatly appreciate the continued support of these individuals and corporations. To become a Sustaining Member, complete and return the MMS membership form at the end of the newsletter.

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Bede Willenbring	<b>BY Design of New Hope, Inc.</b>	763-533-0649

If any Sustaining Members are missing from this list, *please* contact either:

Jason Heffelfinger (763-514-1021, [jason.r.heffelfinger@medtronic.com](mailto:jason.r.heffelfinger@medtronic.com))  
or Kathy Hough (651-353-8458, [katiu@frontiernet.net](mailto:katiu@frontiernet.net)).

### MMS Patron Members

The Minnesota Microscopy Society would like to express sincere thanks to our Patron Members. These members provide financial support to the organization above the standard membership fee. This additional support makes it possible for MMS to maintain its financial well being. To become a Patron Member, complete and return the MMS membership form at the end of the newsletter.

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## Upcoming Events

### December 10

MMS Board Meeting, Roseville Olive Garden

### January 15

Image Analysis Workshop, Imation

### February 19

Characterization Facility Tour, U of M

### March 19

MinnTS

### May 8

Spring Symposium

## Minnesota Microscopy Society – Membership Form

All microscopists are urged to support their Society at one of the membership levels offered below. Often, supervisors will support MMS memberships out of their project budget because they recognize that it is a very inexpensive way to maintain and increase the skills of their microscopists. If you have been a member over the years and recognize the value of MMS to the community of microscopists it serves, consider upgrading your membership this year to the patron or sustaining level. Thank you.

Name \_\_\_\_\_ Dr \_\_\_\_\_ Mr \_\_\_\_\_ Ms \_\_\_\_\_ Phone (\_\_\_\_) \_\_\_\_\_

Affiliation \_\_\_\_\_ Position \_\_\_\_\_

Address \_\_\_\_\_ ZIP \_\_\_\_\_

E-mail address \_\_\_\_\_

**\*A legible e-mail address is critical for delivery of your newsletter.  
Newsletters are sent via email only.**

Check here \_\_\_\_\_ if you do NOT want your name and address to appear in the Society directory.

Are you an MSA member? \_\_\_\_\_ MAS Member? \_\_\_\_\_ Other Professional groups? \_\_\_\_\_

Student (\$5) \_\_\_\_\_ Basic (\$10-\$24) \_\_\_\_\_ Patron (\$25-\$99) \_\_\_\_\_ Corporate Sustaining (\$100- ) \_\_\_\_\_

Payment: \_\_\_\_\_ Check \_\_\_\_\_ Visa \_\_\_\_\_ Mastercard \_\_\_\_\_ American Express \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Exp. Date: \_\_\_\_\_ / \_\_\_\_\_

Signature (for credit card payment): \_\_\_\_\_

Make checks payable to MMS and mail to our Treasurer:

Bede Willenbring, MMS Treasurer, 4763 Decatur Ave. North, New Hope, MN 55428-4402