



The MMS Scope

Minnesota Microscopy Society

Local affiliate of the **Microscopy Society of America**
and the **Microanalysis Society**

July 2020

In this Issue:

Board Message

The board shares a brief update on the Spring Symposium.

Meet the President

Get to know the new MMS President, Anette von der Handt.

Officer Candidates

Read about the candidates running for MMS officer positions ahead of the electronic ballot.

Upcoming Events

Mark your calendar for the Microscopy & Microanalysis August meeting – all virtual this year, and the MMS virtual kickoff meeting on Sep. 24.

MMS Dues

2020 membership dues can be paid online.
*Due to COVID-19, MMS is making dues optional this year.



MESSAGE FROM THE BOARD

MMS Members,

*It was with great regret that we had to cancel our annual Spring Symposium this past May due to the ongoing COVID-19 pandemic. While we were unable to meet in person, the tradition of "The Passing of the MMS Gavel & Microscope" continued (virtually)! It is with great pleasure that we welcome **Anette von der Handt** as our next President of the Minnesota Microscopy Society.*



LETTER FROM THE PRESIDENT

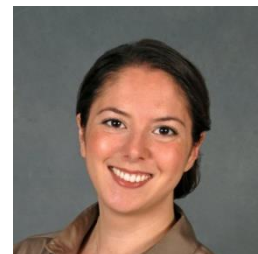
Dear MMS Members,

I hope you are all safe and well during these new times that we find ourselves. I am feeling excited and honored to take over the MMS presidency and with it, the presidential gavel and magnifying glass, from Doug Stauffer. Doug did an exceptional job as president of the MMS and I would like to thank him and the current and previous board members who volunteer their time and resources and helped grow the society to its current state and size.

The Minnesota Microscopy Society is a very active community of microscopists with numerous events organized throughout the year traditionally. This year, we will have the challenge to continue our work within the constraints of the COVID-19 pandemic that puts us on an uncertain timeline for when in-person meetings can safely occur again. The board members and I are committed to continuing the MMS traditions that have been around for over 50 years – even in a virtual world!

Efforts are underway for moving society events to a virtual format, organizing online networking activities as well as creating new online content that may be of interest to our members.

Please read through this newsletter to find out more details on how we have already been planning for upcoming meetings and new events this fall. I look forward to furthering our community, connecting online, and in the future - connecting again in person!



Anette von der Handt

MMS Officer Candidates | 2020-2021

During our annual Spring Symposium meeting, the official business meeting and election of next year's officers usually occurs. In lieu of the in-person vote that was not able to happen, this year we will be sending out an electronic ballot for you to cast your vote. For more information on the candidates running for this year's positions, please review the following biographies.



PRESIDENT ELECT

Gail Celio, Univ. of Minn. Imaging Center

Gail Celio is the Electron Microscopy Imaging Specialist for the University Imaging Centers at the University of Minnesota – Twin Cities. Her responsibilities include biological sample preparation and imaging on the SEM and TEM as well as instrument training. Her Ph.D. in plant pathology at the University of Georgia in 2002 explored a fungal disease on poinsettias. She's not exactly sure what's wrong with your houseplant, but overwatering can commonly lead to other issues. A member of the Microscopy Society of America and the Microanalysis Society, Gail currently serves as Proceedings Editor for the Microscopy & Microanalysis annual meeting.



Gail Celio



TREASURER

David Burleson, Ecolab

David Burleson is a Program Leader on the Laboratory Information Management Systems (LIMS) team at Ecolab. Before joining the LIMS team in 2016, Dave worked in Ecolab's Eagan Analytical Services for 12 years as an analytical chemist and microscopist. Dave has served in various roles on the MMS board since 2015, including President in 2016-2017, and Treasurer since 2018. David received his Ph.D. in chemistry from the University of Minnesota. 2019. In Dave's free time, he likes to run, hike, camp, travel, and drink craft beer.



David Burleson



SECRETARY

Patti Sanft, Uponor

Patti Sanft is running for the position of Secretary on the MMS board. She is an Analytical Chemist at Uponor in Apple Valley that makes cross-linked polyethylene pipes for the plumbing industry. Patti has been with Uponor for almost three years. Prior to this she was an Analytical Chemist at H.B. Fuller Company in Vadnais Heights working with adhesives. She specializes in material properties testing including rheology, thermal analysis, and imaging with all types of microscopes. Patti has been Secretary on the board for the past 13 years.



Patti Sanft



CALENDAR of EVENTS

4-7 AUG 2020

M&M 2020 Virtual Meeting

Virtual exhibit hall, live streamed sessions

Costs: Professional: \$75, Students: \$20

See M&M promotional email below to learn more.



Dear Microscopy Society of America and Microanalysis Society Members,

We are very excited to provide the MSA and MAS communities with a virtual Microscopy & Microanalysis meeting the first week in August 2020!

We are working hard to deliver a great virtual meeting on a very tight timescale. Many of you are eager to learn the details as soon as possible so that you can plan accordingly. Please be patient as we work through those details and make them available to you as early as we can.

One excellent upside of the move to a virtual meeting is that the costs to the societies and members can be kept low, with no travel expenses and dramatically reduced registration rates. This provides an excellent opportunity for those with tight budgets to participate this year and hear from many scientists and vendors in this new virtual format.

Our new, reduced price registration is already live! Click the button below or follow this link to register: <https://www.microscopy.org/MandM/2020/registration/>

CLICK HERE TO REGISTER

Here is a sneak preview of the reduced rates:

- MSA/MAS Member Rate: \$75.00
- Non-Member Rate: \$150.00
- Student/Post-doc/Emeritus Rate: \$20.00

We look forward to seeing you online.

Sincerely,

Esther Bullitt, President, MSA

Rhonda Stroud, President, MA



24 SEP 2020

MMS Virtual Kickoff Meeting:

An Up-Close Look at Micrometeorites

Speaker: Scott Peterson

Time: 7:00 p.m.



Scott Peterson



MEMBER DUES



Your 2020 MMS membership dues can be paid online.*

**Due to COVID-19, MMS is offering to make its membership dues optional this year.*



FISCAL REVIEW

MMS Cash Flow Summary 01/01/2020 through 06/07/20

INCOME**Dues**

Corporate	500.00
Patron	75.00
Regular	50.00
Student	0.00
Sustaining	0.00

Total Dues **625.00**

Interest Income **319.49**

MinnTS Meeting Registration **0.00**

Miscellaneous Income **0.00**

Spring Symposium Income **75.00**

TOTAL INCOME **1,019.49**

EXPENSES

Interest **0.00**

PayPal Credit Card Fees **23.92**

Insurance **0.00**

Meeting Expenses:

MMS Regular Meeting Expenses 0.00

MinnTS Meeting Expenses 0.00

Total Meeting Expenses **0.00**

Miscellaneous **30.91**

Newsletter **570.00**

Website **21.17**

Project Micro **92.32**

Spring Symposium Expense **0.00**

TOTAL EXPENSES **738.32**

OVERALL TOTAL **281.17**



MMS CORPORATE SPONSORS

Corporate Sponsors 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. MMS gratefully acknowledges the corporate sponsorships provided by the following companies. To become a Corporate Sponsor, complete and return the MMS membership form at the end of the newsletter.

Brandon Brandt	Oxford Instruments	763-370-7304
Dave Bush	IXRF Systems, Inc.	512-386-6100
Doug D'Arcy	DMS, Inc.	630-983-1704
Hanseung Lee	Characterization Facility at the U of MN	612-626-0341
Larry Hanke, P.E.	Materials Evaluation & Engineering, Inc.	763-449-8870
Mike Hehr	North Central Instruments, Inc.	763-559-3008
Jerry Jasso	EDAX	616-383-7030
Mark Kelsey	Bruker AXS Microanalysis	708-386-9684
Stacie Kirsch	Electron Microscopy Sciences / Diatome	215-412-8400
Dean Krogman	FEI Company	608-358-2455
Lori La Vanier	Evans Analytical Group, LLC	952-641-1242
Dan Lawrence	Tescan-USA	608-695-8866
Linda Lutz	Mager Scientific, Inc.	734-426-3885
Peter McSwiggen	McSwiggen & Associates	612-781-2282
Robert Mierzwa	JEOL USA, Inc.	920-803-8945
Kimberly Toops	Carl Zeiss Microscopy	608-622-3343
Mark Nelson	Microscopy Innovations, LLC	715-384-3292
Sue Okerstrom	Lichen Labs, LLC	763-432-5630
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Robert Passeri	Hitachi High Technologies	847-946-3788
Steve Pfeiffer	Direct Electron, LP	503-396-2810
Hugh Robinson	Crane Engineering, Inc.	651-395-0912
Joe Robinson	Thermo Fisher Scientific	503-327-9256
Eugene Rodek	SPI Supplies	610-436-5400 x 109
David Rollings	Ted Pella, Inc.	800-237-3526
Mike Toalson	Element Pi	833-314-1593
Yianni Tousimis	Tousimis Research	301-881-2450
Dehua Yang	Ebatco	952-334-5486
Peter Yurek	Medtronic	763-514-1250

If any sponsors are missing from this list, please contact Jason Heffelfinger (763-514-1021, jason.r.heffelfinger@medtronic.com).



MMS SUSTAINING & PATRON MEMBERS

The Minnesota Microscopy Society would like to express sincere thanks to our Sustaining and 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 or Sustaining Member, complete and return the MMS membership form at the end of the newsletter.

MMS Sustaining Members

Michael Coscio	Medtronic (retired)	Bill Theilacker	Medtronic, Fridley
Jeffrey Salisbury	Mayo Clinic, Rochester	Bede Willenbring	retired, New Hope
Steven Skorich	Medtronic, Brooklyn Center		

MMS Patron Members

David Aastuen	3M Company, St. Paul	Ann Palmer	University of Minnesota, Mpls
Tony Anderson	Medtronic, Fridley	Jeffrey Payne	3M Company, St. Paul
Steven Axdal	Abbott, St. Paul	Robert Peterson	3M Company, St. Paul
Mary Buckett	3M Company, St. Paul	Oanh Pham	3M Company, St. Paul
Andrew Carlson	3M Company, St. Paul	Nathaniel Rehm	3M Company, St. Paul
Madeleine Fleming	3M Company, St. Paul	Craig Smith	Honeywell, Plymouth
Jeff Haggerty	Haggerty Analytical, St. Paul Park	Douglas Stauffer	Bruker Corp., Plymouth
Jessica Kissel	3M Company, St. Paul	Erik Stephenson	3M Company, St. Paul
Nancy Kunz	3M Company, St. Paul	Pat Thielen	Hastings
Margaret Vogel-Martin	3M Company, St. Paul	Jeff Thole	Macalester College, St. Paul
Guillermo Marques	University of Minnesota, Mpls	Oden Warren	Hysitron, Inc., Eden Prairie
Alon McCormick	University of Minnesota, Mpls	Mark Windland	Honeywell, Plymouth
Lloyd Meissner	Crane Engineering, Plymouth	Mike Wroge	Cymbet Corp., Elk River
Ev Osten	retired, St. Paul		

MMS Board & Officers 2019-2020

President: Doug Stauffer, Bruker Corp., 9625 W 76th St, Eden Prairie, MN 55344, MN 55344; (952) 835-6366; douglas.stauffer@bruker.com

Past-President: Tony Anderson, Medtronic, 710 Medtronic Parkway, Fridley, MN 55432; (753) 505-3085; tony.m.anderson@medtronic.com

President-Elect: Anette von der Handt, Dept. of Earth Sciences, University of Minnesota, 116 Church St. SE, Minneapolis, MN 55455; (612) 624-7370; avdhandt@umn.edu

Secretary: Patricia Sanft, Uponsor, 5925 148th St. West, Apple Valley, MN 55124; patricia.sanft@uponor.com

Treasurer: David Burleson, Ecolab, 655 Lone Oak Dr., ESC F64, Eagan, MN 55121; (651) 795-5887; david.burleson@ecolab.com

Student Representative: Jacob Held, University of Minnesota, Minneapolis, MN 55455; heldx123@umn.edu

MSA Representative: Stuart McKernan, retired, St. Paul, MN; stuart.mckernan@gmail.com

Project MICRO Director: Jeff Payne, 3M Center, Bldg. 201-BS-03, St. Paul, MN 55144-1000; (651) 733-2352; jjpayne@mmm.com

Corporate Liaison: Jason Heffelfinger, Medtronic, 6700 Shingle Creek Pkwy, Brooklyn Ctr, MN 55350; (763) 514-1021; jason.r.heffelfinger@medtronic.com

Webmaster: David Burleson, Ecolab, 655 Lone Oak Dr., ESC F64, Eagan, MN 55121; (651) 795-5887; david.burleson@ecolab.com

Newsletter Editor: Maria Graff, Minneapolis, MN; mariagraff@me.com

Other Board Members

Sam Fotsch
Minneapolis, MN; swfotsch@yahoo.com

Jeff Haggerty, Abbott Laboratories
Minnetonka, MN; ptfeconsultant@yahoo.com

Larry Hanke, Materials Evaluation and Engineering
Plymouth, MN; hanke@mee-inc.com

Peter McSwiggen, McSwiggen & Associates
St. Anthony, MN; PMcS@McSwiggen.com

Eric Morrison, Dynation, LLC
St. Paul, MN; eric.morrison@dynationllc.com

Bede Willenbring, retired
New Hope, MN; b.willenbring@centurylink.net

Sue Okerstrom, Lichen Labs, LLC
Fridley, MN; sue@lichenlabs.net

Dehua Yang, Ebatco
Eden Prairie, MN; dyang@ebatco.com

Peter Yurek, Medtronic plc
Brooklyn Center, peter.yurek@medtronic.com

Please visit the MMS website @ mnmicroscopy.org/membership and scroll down to the 'Membership Application/Information' section for an online or PDF membership form. If using the PDF form, [email](#) or snail mail the form to the Treasurer at the address below. To pay dues via credit card, please go to mnmicroscopy.org/membership and use the PayPal link at the bottom.

MINNESOTA MICROSCOPY SOCIETY | MEMBER INFORMATION 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.

Dr Mr Mrs Ms First Name _____ Last Name _____

Affiliation _____ Phone (____) _____

Street Address _____

City _____ State _____ ZIP _____

E-mail address _____

(Newsletter notifications will be e-mailed to the address above.)

Are you an MSA member? MAS Member?

Student (\$5-\$9) Basic (\$10-\$24) Patron (\$25-\$99) Corporate/Sustaining (\geq \$100)

Payment: Check PayPal

(Please go to mnmicroscopy.org/membership to make your payment via PayPal.)

Make checks payable to MMS and mail to our Treasurer:

David Burleson, MMS Treasurer
846 Arlington Ave. W, Saint Paul, MN 55117
E-mail: treasurer@mnmicroscopy.org