

Minnesota Microscopy Society

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

Newsletter

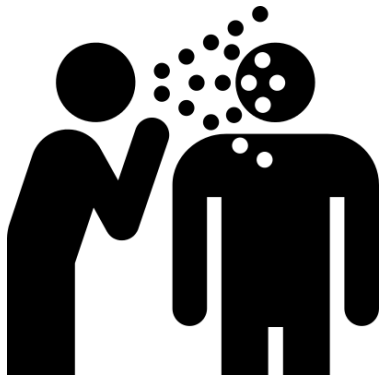
February 2015



13th Annual MinnTS (Minnesota Technical Symposium)

www.minnts.org

THIS YEAR'S TOPIC: **INFECTIOUS DISEASE**



Date: Thursday, March 19, 2015
Time: 5:00 – 9:00 pm
Location: Medtronic plc Operational Headquarters
(formerly Medtronic World Headquarters)
710 Medtronic Parkway
Fridley, MN 55432
(I-694 and Hwy 65/Central Ave)
Parking: In attached ramp north of building

Schedule of events

5:00 - 6:00 Registration, social with refreshments
6:00 - 7:00 Dinner (followed by move into auditorium)
7:00 - 7:15 Welcome message, introductions (Gary Korba)
7:15 - 8:00 ***Emergence of Infectious Diseases in the Last 20 Years – Dr. Richard Danila, Deputy State Epidemiologist, Minn. Dept. of Health***
8:00 - 8:15 Break
8:15 - 9:00 ***Protecting Workers During Infectious Disease Outbreaks: The Challenges – Marc Roe, Technical Services Specialist, 3M Company***

Menu

- Pomegranate & spiced orange roast turkey tenderloin
- Sweet cream mashed potatoes
- Steamed green beans with carrots
- Spinach salad w/ balsamic roasted beets, shaved red onion, fennel bulb and Fairbault Dairy crumbled ama blue cheese finished with dried tart cherry gastrique
- Assorted pies (apple, blueberry, banana cream, pecan and pumpkin)
- Assorted soda and water
- Coffee service with hot tea

Reservations

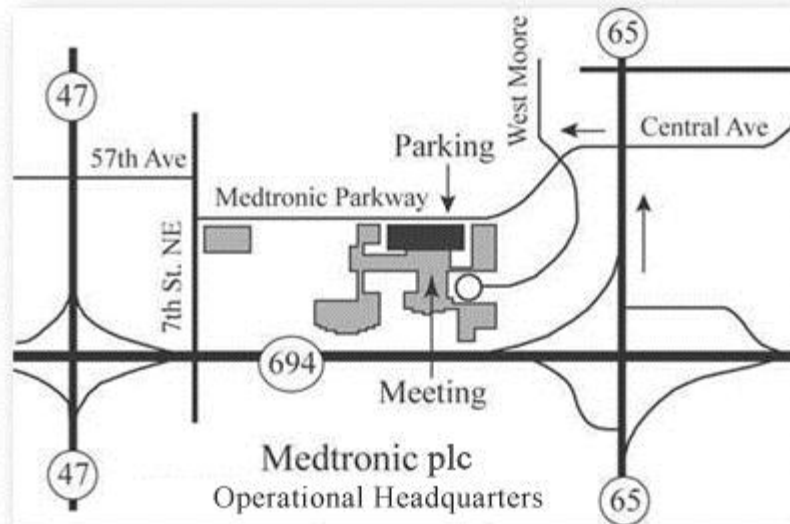
Cost for MinnTS is \$30. Reservations are being taken beginning February 20 through **Wednesday, March 11** and may be made via PayPal by going to the MMS website at mnmicroscopy.org/calendar.html or the MinnTS webpage www.MinnTS.org, or by phone: Bede Willenbring, (763) 533-0649

No refunds for cancellations after March 11.

MinnTS – Map and Speakers

continued

Directions



Speakers

Richard N. Danila, PhD, MPH
Assistant State Epidemiologist,
Minnesota Department of
Health

Emergence of Infectious
Diseases in the Last 20 Years

Bio

[Dr. Richard Danila](#), deputy state epidemiologist with the Minnesota Dept. of Health, has been Epidemiology Program Manager at the state's Health Department since 1985. He is also adjunct assistant professor at the University of Minnesota's School of Public Health.



Abstract

Dr. Danila will present the reasons why there has been a global emergence of infectious diseases in the last 20 years with an emphasis on the current Ebola virus disease outbreak and its implications for Minnesota.

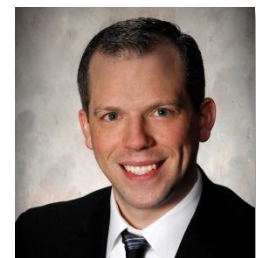
Marc Roe

Technical Services Specialist,
3M Company

Protecting Workers During
Infectious Disease Outbreaks:
The Challenges

Bio

[Marc Roe](#) is a Certified Industrial Hygienist (CIH) for Powered Air Purifying Respirators (PAPR) at 3M's Occupational Health and Environmental Safety Division (OH&ESD).



Abstract

Protecting workers during an infectious disease outbreak presents challenges including selection, training and utilization of appropriate level of personal protective equipment (PPE). Each outbreak is unique and on many occasions there is debate around the potential modes of transmission leading to uncertainty in determining necessary PPE. Moreover, formal guidance from health authorities as to the appropriate PPE ensemble evolves as more information about the infectious disease becomes known. Once the level of protection is identified, selection of the best design for the worker and tasks may provide unique challenges. PPE design and selection challenges will be discussed.



May 1 **What: Spring Symposium**

Location: Science Museum of Minnesota
120 W. Kellogg Blvd., St. Paul, MN

Speakers: **Dave Flannigan**, University of Minnesota, Dept. of Chemical Engineering and Materials Science – *“Ultrafast Electron Microscopy: Operating Principles and Parameter Space”*
Mark Kelsey, Bruker Nano, Inc. – *“Tomography: What You See Depends on How Deep You Go”*
Alison North, The Rockefeller University, Bio-Imaging Resource Center – *“Optimizing Oils, OtfS and the OMX: A Tale of Two Rabbit Ears”*
Mark Sanders or David Oddie, University of Minnesota, University Imaging Centers

March 21 **What: MN Academy of Science State Science & Engineering Fair: 76 judges needed for Saturday project judging**

Location: Doubletree by Hilton
7800 Normandale Boulevard, Bloomington, MN 55439

Notes: Judges are needed to evaluate middle school and high school student projects and provide feedback to students on their research and presentation skills.

Website: Register and learn more at
<http://mnmas.org/science-engineering-fair/judges>

Minnesota Microscopy Society
Treasurer's Report
01/01/14 Through 12/31/14

INCOME

Dues by membership type	
<i>Corporate</i>	2,500.00
<i>Patron</i>	825.00
<i>Regular</i>	370.00
<i>Student</i>	5.00
<i>Sustaining</i>	200.00
Total Dues	3,900.00
Interest Income	44.07
MMS Meeting Registrations	4,405.55
Spring Symposium Income	<u>4,975.00</u>

TOTAL INCOME 13,324.62

EXPENSES

PayPal Credit Card Fees	243.05
Insurance	326.17
MinnTS Expenses	4,069.04
Miscellaneous	95.76
Newsletter	760.00
Project Micro	78.26
Spring Symposium Expense	<u>5,313.14</u>

TOTAL EXPENSES 12,187.11

OVERALL TOTAL 1,137.51

— **Memories from 2014: MMS-Sigma Zeta Joint Meeting @ Bethel** —
Thursday, November 4, 2014



Photos: Patti Sanft

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 in 2013-2014. To become a Corporate Sponsor, complete and return the MMS membership form at the end of the newsletter.

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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.

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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 _____

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

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

Are you an MSA member? MAS Member?

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

Payment: Check PayPal (Please go to <http://www.mnmicroscopy.org/MMSMembership.html> to make your payment via PayPal.)

Make checks payable to MMS and mail to our Treasurer:

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