# Minnesota Microscopy Society

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

Newsletter

March 2009



### **MinnTS**

(Minnesota Technical Symposium) Thursday, March 19, 2009





# "The Fall and Rise of the 35W Bridge"

MinnTS is an annual joint meeting of area technical and scientific organizations. The first meeting occurred in March 2003. The 2003 meeting was sponsored by four participating groups (MMS, SEMI, AVS and ASM). By 2005, the number of participating groups had doubled to eight.

MinnTS was started for the purpose of providing a venue for local technical professionals to get together for networking, dinner, and technical presentations given by local experts. The speakers are deliberately chosen from the local area, to avoid travel expenses and to minimize costs for the participating organizations. In some cases speakers from outside the area have been able to combine an appearance at MinnTS with scheduled visits to area businesses. Because of the wide diversity represented by the sponsoring organizations, the speakers are chosen to present a range of general interest topics.

### **Schedule:**

5:00 - 6:00	Registration, social with refreshments
5:00 - 5:30	Medtronic Lab tours (departing every 5 minutes)
6:00 - 7:00	Dinner (followed by move into auditorium)
7:00 - 7:15	Welcome message, introductions (Gary Korba)
7:15 - 8:00	The Old 35W Bridge - Ron Voelker
8:00 - 8:15	Break
8:15 - 9:00	The New 35W Bridge - Peter Sanderson

### **Reservations:**

Cost for MinnTS is \$25. Reservations are being taken thru Friday, March 13, 11:59PM. Please make your reservation by either:

e-mail (preferred): reservations@minnts.org

or phone: Bede Willenbring, H.B. Fuller Company; 651-236-5470 (9AM - 5PM) Please include your name, affiliation, the sponsoring society to which you belong, and a phone number at which you can be reached. Cancellations must be received before March 14.

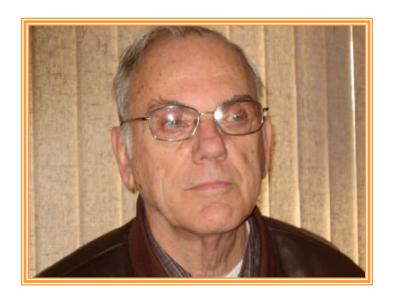
#### **Dinner Menu:**

- •Garden salad with assorted dressings
- •Bakery fresh rolls with butter
- •Herb crusted chicken with pan glaze or
- •Wild mushroom strudel

- Potatoes
- Steamed carrots
- •Assorted desserts (mini tarts, chocolate dipped fruits, mini cakes and pies)
- Assorted soda and water
- •Coffee service with hot tea

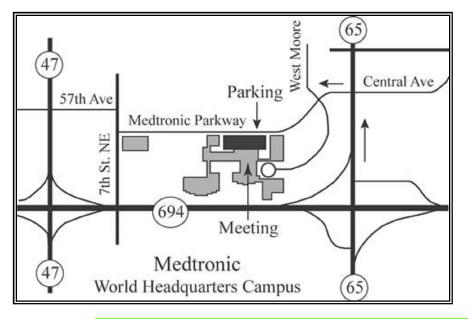
## MinnTS (continued)

# **Speakers**



Ron Voelker - "The Old 35W Bridge" Now retired, but formerly with Mn/DOT and intimately familiar with the old bridge, Mr. Voelker will describe how that truss based design was developed. He will also give us the National Transportation Safety Board, and WJE (Mn/DOT consultant) perspective on why it collapsed. **Peter Sanderson** – "The New 35W Bridge"
The man in charge of building the new concrete bridge, Mr. Sanderson will tell how that architecture was arrived at and how the bridge was actually built.





### Location

Medtronic Inc. 710 Medtronic Parkway (I-694 & Hwy 65) Fridley, MN 55432

(Parking is in the ramp north of the building. Visitors enter on the third level.)

Conference information generously provided by: <a href="www.MinnTS.org">www.MinnTS.org</a>
Please visit the website for additional information.

## **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.

Joel Ash	<b>Focus Precision Instruments</b>	952-380-3696
John Benson	Thermo Electron	608-826-9049
Mike Boykin	Mager Scientific, Inc.	734-426-3885
Mike Coscio	Medtronic Inc.	763-505-4561
Melissa Dubitsky	<b>Tousimis Research Corp</b>	301-881-2450
Matt Dugas	ARC	651-789-9000
Lester Engel	Engel Metallurgical Ltd.	320-253-7968
Chris Frethem	University of Minnesota	612-624-4652
Jeff Gschwend	Hitachi HTA	847-816-6098
Larry Hanke	Materials Evaluation & Engineering, Inc.	763-449-8870
Gary Hawkinson	FEI Company	608-291-0157
Brad Johnson	North Central Instruments, Inc. / Leica	
Tyler Kelley	Keyence	201-930-0100
Mark Kelsey	Bruker AXS Microanalysis	708-386-9684
Stacie Kirsch	<b>Electron Microscopy Sciences / Diatome</b>	
Laurie Krupa	EDAX	312-238-0260
Peter McSwiggen	McSwiggen & Associates	612-781-2282
Robert Mierzwa	JEOL USA, Inc.	920-803-8945
Kara Noack	Oxford Instruments USA	248-563-2329
Eugene Rodek	SPI Supplies	610-436-5400
Jean Schlosser	Crane Engineering	763-557-9090
Steven Skorich	Medtronic, Inc.	763-514-1335
Jim Smith	Carl Zeiss SMT, Inc.	260-387-6923
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Nicole Ulseth	Imation	651-704-4738
Jack Vermeulen	Ted Pella, Inc.	530-243-2200
Ted Weldon	<b>Leeds Precision Instruments</b>	612-546-8575

If any Sustaining Members are missing from this list, *please* contact either: Jason Heffelfinger (763-514-1021, jason.r.heffelfinger@medtronic.com) or Kathy Hough (651-353-8458, 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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Richard Nay	Hysitron, Mpls	Bede Willenbring	H.B. Fulluer Co., St. Paul
Julia Nowak	Hysitron, Eden Prairie	Mark Windland	Honeywell, Plymouth
Susan Okerstrom	Medtronic Inc., Brooklyn Center	Klaus Wormuth	SurModics, Eden Prairie

**Upcoming Events** 

Wednesday, March 11

MMS Board Meeting - Olive Garden, Roseville

Thursday, March 19

MinnTS: "The Fall and Rise Fall of the 35W Bridge"

Friday, May 8

Spring Symposium: "Imaging in Medicine"

### MMS BOARD and OFFICERS 2008-2009

**President:** Klaus Wormuth, SurModics, Inc. 9924 West 74th Street, Eden Prairie, MN 55344 (952) 947-8652; <a href="mailto:kwormuth@surmodics.com">kwormuth@surmodics.com</a>

**Past-President:** Peter Yurek, Medtronic Inc., 6700 Shingle Creek Parkway, Brooklyn Center, MN 55350; (763) 514-1250;

peter.yurek@medtronic.com

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Imation Corp., Discovery 1D-25, 1 Imation Way,

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(651) 704-4738, nulseth@imation.com

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Treasurer: Bede Willenbring, H.B. Fuller Co.,

St. Paul, MN; (651) 236-5470; treasurer@mnmicroscopy.org

MAS Representative: Michael Coscio, Medtronic Inc., 710 Medtronic Parkway, Minneapolis, MN 55432-5604; (763) 505-4561; mike.coscio@medtronic.com

**ProjectMicro Director:** Jeff Payne, 3M Center, Bldg. 201-BE-16, St. Paul, MN 55144-1000; (651) 733-2352; jjpayne@mmm.com

**Corporate Liaison:** Jason Heffelfinger, Medtronic Inc., 6700 Shingle Creek Parkway, Brooklyn Center, MN 55350; (763) 514-1021;

jason.r.heffelfinger@medtronic.com

**Webmaster:** Stuart McKernan, 3M Center, Bldg. 201-BE-16, St. Paul, MN 55144-1000 (651) 736-5993; <a href="mailto:smckernan@mmm.com">smckernan@mmm.com</a>

Newsletter Editor: Kathy Hough, Pace Analytical Services, MN; (651) 353-8458, katiu@frontiernet.net

### **Other Board Members**

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Dwight Erickson, 3M Center, St. Paul, MN; (651) 736-2830; dderickson3@mmm.com
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Ky Pham, Medtronic Inc., Minneapolis, MN;

(612) 514-4705; ky.pham@medtronic.com

Mary Swierczek, 3M Center, St. Paul, MN;

(651) 736-5087; mswierczek@mmm.com



Reminder: Membership in MMS runs from

January through December. Have

you paid your 2009 dues?

Please visit the MMS website, www.MNmicroscopy.org, for a fill-and-print pdf version of the membership form...

### 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.

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Affiliation			_ Position	· · · · · · · · · · · · · · · · · · ·
Address				ZIP
E-mail address				
*A legi	ble e-mail address i Newsletters			ry of your newsletter. only.
Check here if you do !	NOT want your name a	and address	to appear i	in the Society directory.
Are you an MSA member? _	MAS Member?	Other Pr	ofessional	groups?
Student (\$5) Basic (\$1	0-\$24) Patron (\$2	25-\$99)	Corpor	rate Sustaining (\$100-)
Payment: Check V	Visa Mastercard _	Americ	an Express	S
Credit Card Number:			<b>-</b>	Exp. Date:/
Signature (for credit card pa	yment):			
Make checks payable to MMS	and mail to our Treasure	er:		
Bede Willenbring, MMS Treat	surer, 4763 Decatur Ave	. North, New	Hope, MN	N 55428-4402

None