



Madison Section NEWSLETTER

Volume 3, Number 8

Serving IEEE Members of South Central Wisconsin

November 2000

MATC Electronics and Industrial Automation Curriculum and Tour

- Date/Time:** Thursday, November 16, 2000, 11:45 AM - 1:00 PM
Speaker: Tom Kaminski, Electronics Instructor, Madison Area Technical College (MATC)
Location: MATC Truax Campus, 3550 Anderson St. Madison, WI 53704, Ph 246-6100. Room 67, I-Wing (aka Automotive Wing) located in the northern end of the Central Wing of the main Truax building.
Menu: Chicken Breast Parmigiana (chicken breast with marinara sauce topped with cheese served on a bed of noodles). Includes a dinner roll, choice of salad, and a beverage (cost \$8.00).
RSVP: by Nov. 13th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415

Non-member guests are always welcome!

PARKING NOTICE: visitors should park in the gated visitor lot using access code #6932 for entry and should display the provided parking permit (see page 3) on their dashboard. If the visitors lot is full, you will have to park in the visitor overflow row. If you like, you can also download and print the permit from <http://www.bugsoft.com/ieee/image/IEEE_Pass.pdf>. A map of the parking lot and campus is shown on the permit.

Tom Kaminski will describe the curriculum of the Electronics and Industrial Automation program and provide a tour of the facilities at MATC. Lunch will likely be provided by the MATC Culinary Arts program.

Coming in December... X-Ray Capillary Optics

- Date/Time:** Thursday, December 21, 2000, 11:45 AM - 1:00 PM
Speaker: Walter W. Peppler, PhD, Department of Medical Physics, UW-Madison
Location: Rocky Rococo's Pizza, 7952 Tree Lane (Madison Beltline Hwy. at Mineral Pt. Rd.), Ph 829-1444
Menu: Pizza buffet, salad and soft drinks (cost \$8.00).
RSVP: by Dec. 18th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415

Non-member guests are always welcome!

Breast Cancer is the most common cancer for women of all ages and is the leading cause of death for women between the ages of 40 and 49. Conventional film/screen mammography remains the most effective of screening for breast cancer, but still misses a significant number of cases. Digital mammography offers the potential to improve diagnostic accuracy. Currently digital mammography is limited by x-ray scatter and a relatively large pixel size (50 - 100 microns). X-ray capillary optics have recently been developed and have the potential to address these problems. X-ray capillary optics are capable of channeling x-rays in a manner similar to conventional fiber optics with light. Appropriately designed x-ray capillary optics can magnify the x-ray image (without focal spot blurring) effectively reducing the pixel size while simultaneously virtually eliminating scattered radiation. The talk will present the progress that has been made in the development of practical capillary optics for mammography.

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IEEE MADISON SECTION NEWSLETTER

Printing and Mailing by: SprintPrint
2790 S. Fish Hatchery Rd.
Madison, WI 53711

Published 9 times per year (Jan. - May & Sep. - Dec.) by the Madison, Wisconsin Section of the Institute of Electrical and Electronic Engineers (IEEE), as a service to its members in south-central Wisconsin.

Mailed at Madison, Wisconsin as 3rd Class, Non-Profit postage. Permit No. 953.

Online at: <http://www.bugsoft.com/ieee/>

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Fall/Winter 2000 Telecommunications Short Courses

- Ensuring Power Quality in a Deregulated Environment, November 29–December 2
- Basic Telephony and Digital Switching, December 5–8
- Fundamentals of Wireless Data Communications, January 22–24, 2001
- Preparing for 3G Wireless Technology: New Wideband CDWA/TDMA Standards and Systems, February 19–21, 2001
- Using and Installing Fiber Optic Systems for Communications, February 26–28, 2001

For further information...

Web: epdweb.engr.wisc.edu or E-mail: danbeck@engr.wisc.edu

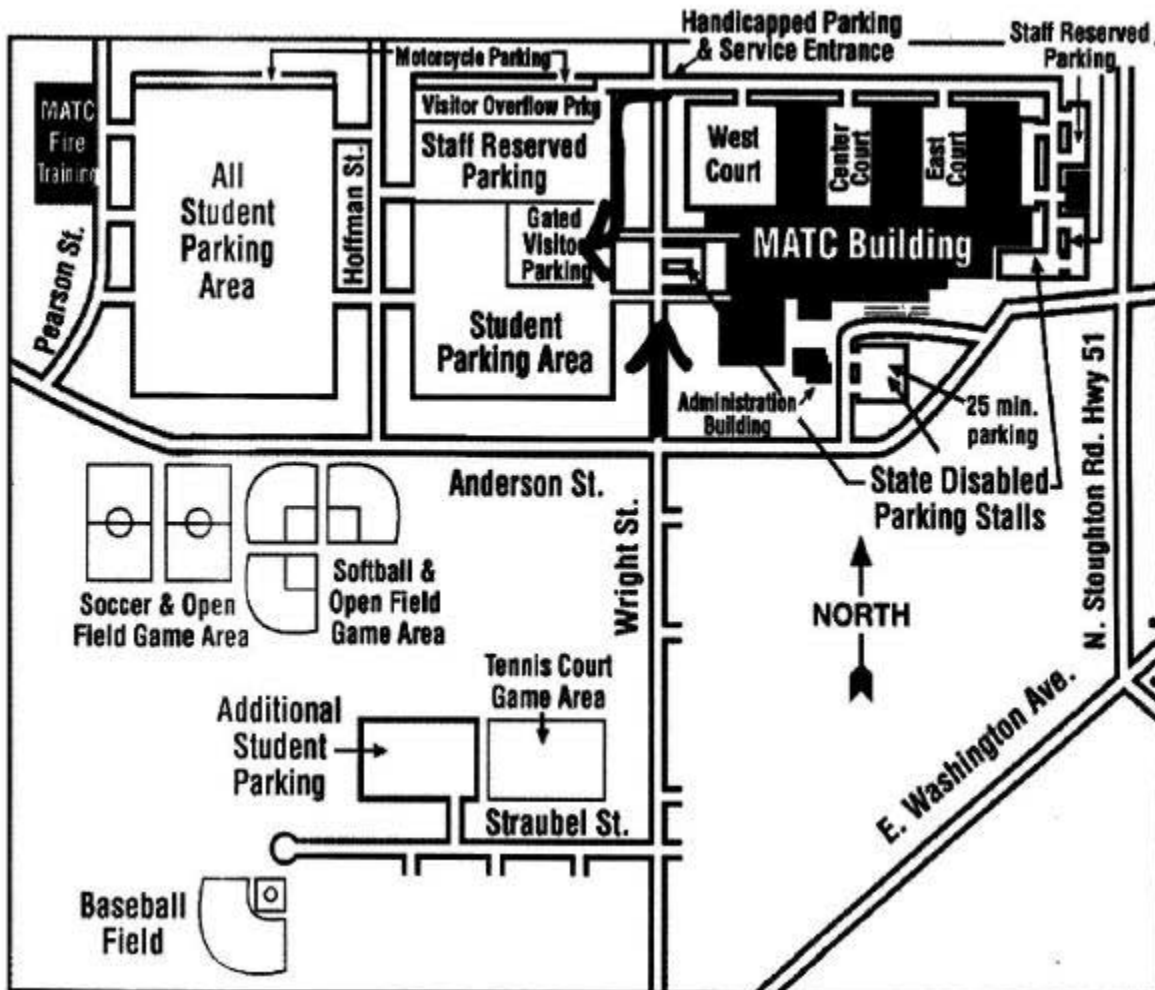
Membership Renewal Schedule

Demonstrating our commitment to doing business electronically, IEEE has made membership renewal available on the web for the third year. IEEE members can renew now at <http://www.ieee.org/renewal>. As an extra encouragement, those who renew their membership online by 1 December 2000 will receive 15% off their next purchase in the IEEE Online Catalog & Store, the definitive source for IEEE products (special terms and conditions apply.) Members who applied or renewed their 2000 membership online were sent an email renewal notice on 2 October. Paper renewal notices for the balance of members and customers are on the following schedule:

- 29 September - Members in Regions 8-10 and nonmember subscribers
- 2 October - Members in Regions 1-7
- 20 October - Members with email bounce-backs from 1st email notice.

For additional information, contact IEEE Member Services, telephone +1 800 678 4333 (US), +1 732 981 0060 (worldwide); e-mail: [member-services-\[insert IEEE Region number 1-10\]@ieee.org](mailto:member-services-[insert IEEE Region number 1-10]@ieee.org).





Drive up to the gated visitor lot. We have programmed an access code #6932 for the following date only for your convenience. Enter it on the keypad. To leave drive up to the exit gate and it will automatically open. (For assistance during regular day office hours press the gray button for service) We recommend car pooling as all parking is based on availability.

TEAR OFF BOTTOM HALF-DISPLAY ON DASH FOR SECURITY

Nov. 16, 2000 11:30am-1:30pm (Max of 25 vehicles)

Electrical Engineers Mtg. → Room 67 → I-Wing

MATC Contact: AATI D. Shonkwiler VISITOR GATED LOT

Failure to park only in VISITOR GATED LOT (if filled or gate access doesn't work due to current mechanical problems please go to Visitor Overflow Row), subject you to a \$20 non-rescindable fine by the Madison Police Dept. Any questions regarding parking please call (608) 246-6031 between 8am-4pm, Monday-Fridays.

**REMINDER: THIS IS YOUR PARKING PERMIT
Display face up on dash on driver's side for security**



Reach over 700 IEEE members in South-Central Wisconsin with information on *your products and services* every month with an ad in this newsletter.

Our members have professional interests in computers, power engineering, signal processing, communications, industry applications and a number of other technical fields.

For more information, contact John Hicks at (608) 233-4875 or jhicks@facstaff.wisc.edu.

Per issue ad rates:	<u>1 Time</u>	<u>2 Times</u>	<u>5 Times</u>	<u>9 Times</u>
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1/4 Page	145	135	129	127
1/2 Page	215	203	195	193
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