



Madison Section NEWSLETTER

Volume 4, Number 4

Serving IEEE Members of South Central Wisconsin

April 2001

Joint Meeting with UW-Madison IEEE Student Chapter

- Date/Time:** Monday, April 16, 2001, 6:00 PM - 8:00 PM
Speaker: Seagate Technology LLC
Location: UW-Madison College of Engineering campus, Room 1610 or 1800 Engineering Hall (see IEEE Madison Section website for updates)
Menu: Pizza and soda (FREE!)
RSVP: by Apr. 13th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415



Non-member guests are always welcome!

A speaker biography and presentation abstract will be posted on the IEEE Madison Section website at <http://www.bugsoft.com/ieee/meetings.html> once that information becomes available. The topic is likely to center on hard drive technology.

Metered parking is available in the lot directly across from Engineering Hall.

Capital Brewery Tour

- Date/Time:** Tuesday, May 22, 2001, 5:30 PM - 8:00 PM (tour at 6:30 PM)
Speaker: Capital Brewery staff
Location: Capital Brewery, 7734 Terrace Ave., Middleton, WI 53562, 608.836.7100
Menu: Pizza (\$8.00). Beer, wine and soda will be available at a cash bar.
RSVP: by May 18th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415



Non-member guests are always welcome!

The Capital Brewery was founded in 1984 and it produced its first brew in the spring of 1986. Currently, it produces sixteen different beers. Most of its beers are produced under the strict "Reinheitsgebot". These are the German beer production purity laws, which date back to the 1500s.

Much of the brewing equipment currently used in the brewery, including the two copper brewing kettles, came from the Hoxter Brewery in Germany. At the heart of the operation is an excellent refrigeration system that enables the brewery to produce extremely high quality lager beers, prompting many to refer to Capital Brewery as the finest lager brewery in America. The brewery has received many awards for its beers and was named the #1 Brewery in America at the 1998 Beverage Testing Institute's World Beer Championships in Chicago. It is a publicly held company that currently produces approximately 17,000 barrels annually and has distribution in four midwestern states.

See the Capital Brewery web site at <http://www.capital-brewery.com> for more information.

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Engineering Expo 2001

The theme of this years College of Engineering Expo is "From Concepts to Reality." Engineers are creative people. They spend a lot of time planning in their heads, on paper and on computers. Eventually, their concepts become a reality. The theme of EXPO 2001 alludes to this creative process.

Some of the highlights of this years EXPO include the Op Robotics Competition, School Days and numerous student and industrial exhibits. The school days will be Thursday and Friday and will allow K-12 students to learn about fundamental engineering principles and see cutting-edge technology. Students will also be able to participate in the Bridge Building Competition, Egg Toss Competition, Information Scavenger Hunt, Rocket Rally, Rube Goldberg Competition and the Writing Challenge. Industrial exhibitors include Ecolab, Inc., Enable Fuel Cell, Ford Motor Company, General Electric, General Motors and IBM.

The schedule and admission prices for EXPO 2001 are as follows:

- Thursday, April 19, 9:00 am - 4:00 pm
- Friday, April 20, 9:00 am - 4:00 pm
- Saturday, April 21, 9:00 am - 4:00 pm
- Adults: \$4.00, \$3.50 in advance
- Senior Citizens/Students: \$3.00, \$2.50 in advance
- Children 4 and under: FREE!

For advance tickets, contact the Engineering Expo by phone, email, mail or fax.

Phone: 608.262.5137
Fax: 608.262.8091
Email: expo@cae.wisc.edu
Website: <http://www.cae.wisc.edu/~expo/>
Address: Engineering EXPO
333 N. Randall Ave
Madison, WI 53706



IEEE Membership Numbers Exceed Expectations

The year end numbers are in. IEEE membership totaled 366,135 in 2000, exceeding the membership development goal of 365,000. Higher-grade memberships grew 3 percent to total 307,815 members, while student memberships climbed to 58,320, a 9.5 percent growth rate. Both represent record membership numbers for the IEEE. The number of Senior Members also hit a new milestone in 2000, now totaling 26,394.

The five fastest growing IEEE Societies were:

1. Lasers and Electro Optics, +17.1 percent
2. Microwave Theory and Techniques, +7.9 percent
3. Solid-State Circuits, +7.7 percent
4. Communications, +6.3 percent
5. Power Electronics, +5.3 percent

For more information, visit <http://www.ieee.org/organizations/rab/md/jan01prog.html>, or contact Bill Hunter at w.hunter@ieee.org.

Salary & Fringe Benefits Survey

Reserve your 2001 IEEE-USA Salary & Fringe Benefits Survey now. The IEEE-USA Salary & Fringe Benefits Survey, 2001-2002 Edition, can be ordered now at the special IEEE member pre-publication price of \$64.95. The definitive salary and reference guide for technical professionals, the survey was conducted on-line this year for the first time in partnership with ClickIQ.Com. The number of members being surveyed more than doubled to 80,000, which promises to yield more useful data for the report. And the survey points to extraordinary gains in salaries and benefits. Scheduled to be shipped in May, the regular member price of \$74.95 will take effect (\$149.95 for non-members) at that time. To order, call 1-800-678-IEEE (4333), and ask for UH-2990.

On-line Consultants Database

Register for IEEE-USA'S on-line consultants database. Get your consulting practice off to the right start this year by registering for the 2001 IEEE-USA Database of Electrotechnology and Information-Technology Consultants. Last year, more than 30,000 visitors searched the consultants database on the Web -- a 100 percent increase over 1999. Register now at <http://www.ieeeusa-consultants.org> to establish or renew your listing in the database for one year. Cost remains only \$65 for IEEE members (\$90 for non-members). As a bonus, registrants who enroll by 1 May will receive free of charge two copies of the database on CD-ROM -- a tool for using the database while traveling and "give-away" to a prospective client.

Spring/Summer 2001 Telecommunications Short Courses

- **Planning and Implementing Point-to-Point Microwave Radio Systems**, April 9-11, 2001 in Orlando, FL
- **Ensuring Power Quality in a Deregulated Environment**, April 17-19, 2001 in Madison, WI
- **Fundamentals of Cellular and PCS Wireless Communications**, May 1-3, 2001 in Madison, WI
- **Advanced Topics in Operating PCS and Cellular Radio Systems**, June 5-8, 2001, in Madison, WI
- **Basic Telephony and Digital Switching**, June 19-22, 2001, in Madison, WI
- **Engineering and Planning Telecommunications Local Loop Facilities**, June 26-29, 2001 in Madison, WI
- **Electrical Grounding of Communications Systems**, August 1-3, 2001 in Madison, WI

For further information...

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

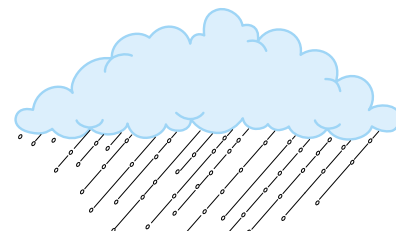
Today's Engineer Webzine

The March 2001 edition of 'IEEE-USA TODAY'S ENGINEER' is available now on the Web. TODAY'S ENGINEER is IEEE-USA's FREE monthly, career-oriented webzine, offering feature articles and short blurbs with career guidance, tips, strategies and solutions for all sectors of the profession. This month's fare includes:

- Consulting--How to Make Sure You Get Paid for Your Work
- Career Development--What Have You Done For Engineering Students Lately?
- Engineering Trends: Vacation Deprivation--All Work and No Play...
- Hall of Fame: TV/Oscilloscope Expert Allen B. Du Mont
- Worldbytes: You May Benefit by What's Going on Abroad

To read this latest issue of Today's Engineer, visit: <http://www.todaysengineer.org/careerfocus/index.html>.

Spread the word about the new IEEE-USA monthly webzines! If you haven't visited already, go to see IEEE-USA POLICY PERSPECTIVES at: <http://www.todaysengineer.org/policyperspectives/index.html>.





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>
Business Card	\$ 50	\$ 45	\$ 42	\$ 41
2-Business Card	83	76	71	70
1/4 Page	145	135	129	127
1/2 Page	215	203	195	193
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