IEEE

Madison Section NEWSLETTER

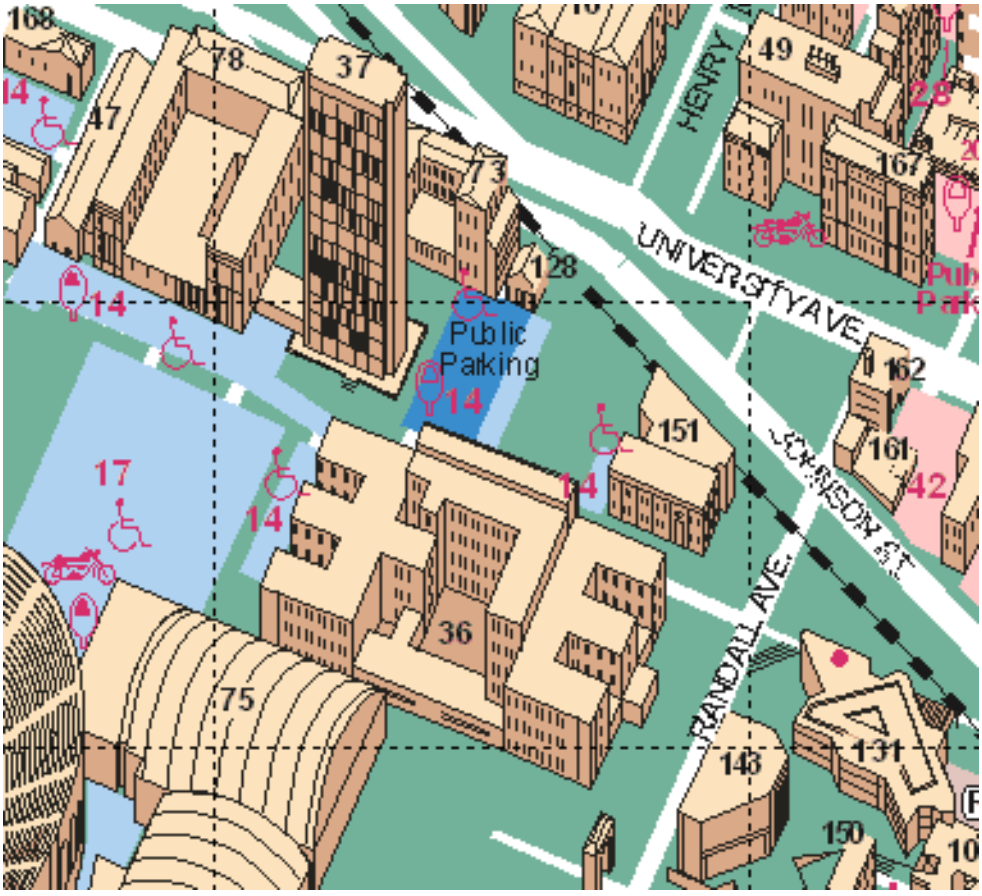
Volume 3, Number 4 | *Serving IEEE Members of South Central Wisconsin* | April 2000

Joint Meeting with UW-Madison IEEE Student Section - Can You Handle the Future?

Date/Time: Tuesday, April 11, 2000, 6:00 PM - 7:30 PM
Speaker: Dennis Govoni, Sun Microsystems
Location: 1227 Engineering Hall, UW Campus - parking available in lot 14 or 17 after 5 PM (see map)
Menu: Pizza and soft drinks (cost *FREE*)
RSVP: by April 10th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415

Non-member guests are always welcome!

Sun Microsystems' Dennis Govoni will present "Can You Handle the Future?", a look at the current state of the "art" and what problems we are facing in this emerging void of the Internet. What are the big technology issues and what should we be doing to solve them? Is Bill Joy right about the future?



BUILDING KEY

36. Engineering Hall
37. Engineering Research Building
47. General Engineering Building
75. McClain Athletic Facility
78. Mechanical Engineering Building
131. Union South
143. Wendt Library
151. 1410 Engineering Dr.

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IEEE Networking the World™

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/**

For address changes: notify IEEE headquarters, address-change@ieee.org and contact Craig Heilman, craigh@bugsoft.com, 608.274.2003

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Building a 16,000 Ton Experimental (CMS) Detector for Physics Research

Date/Time:	Thursday, May 18, 2000, 11:45 AM - 1:00 PM
Speaker:	Farshid Feyzi, Technical Director, UW Physical Sciences Laboratory
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 May 16th to Roy Thompson via email (roy.thompson@tdstelecom.com) or call 608/664-4415

Non-member guests are always welcome!

The Compact Muon Solenoid (CMS) is one of two large detectors under construction for the Large Hadron Project (LHC) at CERN (European Nuclear Research Center) in Switzerland. LHC is the one of the largest high energy physics projects ever undertaken and seeks to advance our understanding of the nature of matter. The CMS detector is a very large and complicated structure with numerous engineering challenges. This presentation will give an overview of the project and highlight some of these challenges and the adopted solutions.

Farshid Feyzi is the Technical Director at the Physical Science Laboratory (PSL) of the University of Wisconsin. PSL is a design, development and construction facility with nearly 35 years of experience in the various fields of research. PSL has a large multinational client base and a staff of very experienced engineers and scientists. Farshid has worked at PSL for 16 years starting at as mechanical engineer. As Technical Director he is responsible for all technical operations and direction of projects.

Professional Career Time Line

Today is the first day of the rest of your career! Are you drifting along, letting random events or others determine your career path? Are you bored, stagnating? Do you feel ill-prepared to compete in our changing world?

YES? Then it's time today to take charge of your career...because how you plan and manage your career will determine whether it is exciting, challenging, and growing -- or dull, routine, and uncertain.

To help you set your goals, the American Institute of Aeronautics and Astronautics' (AIAA) Career Enhancement Committee created this Professional Career Time Line. It supplies a checklist of helpful actions for assuring greater success during every phase of your career.

The Time Line begins in early career, three years following college graduation and continues through your retirement. It suggests measures you should take through each phase of your career to keep it vibrant. Please reflect on each phase, set your goals, and frequently re-evaluate yourself to keep your career plan current.

1. EARLY CAREER
   3 Yrs to 10 Yrs in Work Force
   Career Phase: Young Professional
   Typical Age: 25-32

- Focus on your technical specialty, or move toward being a generalist.
- Continue developing technical skills and credentials.
- Gain exposure to management and other disciplines.
- Review your options. Consider changing your career, job, employer, etc.). Make enhancements to your progress.
- Seek out and accept higher levels of responsibility. Learn to make effective decisions.
- Keep up-to-date on advancements in your discipline.
- Obtain state engineering license.
- Assume a leadership role at the local, regional, or national level of the IEEE.
- Begin preparing for a senior leadership role.
- Transition from being reactive to proactive in your career decisions.
- Consider after-hours graduate programs in your specialty.

2. MID-CAREER
   10 Yrs to 22 Yrs in Work Force
   Career Phase: Senior Professional (Technical or Supervisory)
   Typical Age: 32-52

- Make career path decision; i.e., remain in a technical area or move into management.
- Stay technically up-to-date in your chosen specialty.
- If moving into management, hone your management and human resources skills.
- Become involved in a full leadership role in IEEE and apply for Senior Member status
- Continue to take on additional areas of responsibility or assignments.
- Become a mentor or sponsor.
- Achieve national recognition. Assume professional leadership roles.
- Begin retirement planning.

3. LATE CAREER
   22 Yrs to 40 Yrs in Work Force
   Career Phase: Recognized Expert
   Typical Age: 52-Retirement

- Continue professional leadership progression by obtaining assignments (or jobs) with increasing responsibility and authority.
- Stay technically up-to-date.
- Continue mentoring and providing guidance to younger professionals.
- Represent your organization outside the workplace. Achieve national or international recognition.
- Diversify your skills or develop hobbies that could lead to a second career or added income upon retirement.
- Teach at a college or university, or start your own consulting practice.
- Continue retirement planning.

4. RETIREMENT
   40+ Yrs in Work Force
   Career Phase: Expert Emeritus
   Typical Age: 60+

- Implement your retirement plans.
- Replace required compulsory activity with desired leisure wants.
- Consider opportunities for part-time work, consulting, or a second career.
- Use accumulated experience and wisdom on behalf of others in various senior roles.
- Make meaningful use of your time.
- Find new sources of professional and personal satisfaction.
- Remain active in the IEEE: maintain professional contacts.
- Tutor precollege students in math, science, or engineering.

This is an edited version of an original article authored by Stu Levy & Ed Podell, Co-Chairmen, Philadelphia Section, IEEE.

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.

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