



2007 NA-RCCC
Workshop on Growing a Successful Chapter

Oregon & SW Washington

Oregon Chapter Demographics

- 242 active COMSOC members.
- Chapter is a mega-chapter consisting of
 - Ultrasonic, Ferro-electronics, & Frequency Control (UFFC)
 - Lasers & Electro-Optics (LEOS)
- Joint technical meetings with the Computer Society brings the total membership served to 2060
- Five Universities in the State with EE and CS Programs
 - University of Portland (UP)
 - Portland State University (PSU)
 - University of Oregon (UO)
 - Oregon Graduate Institute of Science & Technology (OGI)
 - Oregon Institute of Technology (OIT)

Crater Lake Caldera



- Deepest lake in the US, Seventh deepest in the world at 1,949 feet
- 33-mile Rim

Oregon Chapter Demographics

- 2900 high-technology companies throughout the state employ 89,443 people with average annual wage of \$72,700
- Intel Oregon is company's largest site worldwide (15,000 employees)
- High-tech exports represented 45% of Oregon's exports

Mount Hood



- Peaks at 11,237 feet above sea level

Other Oregon Demographics

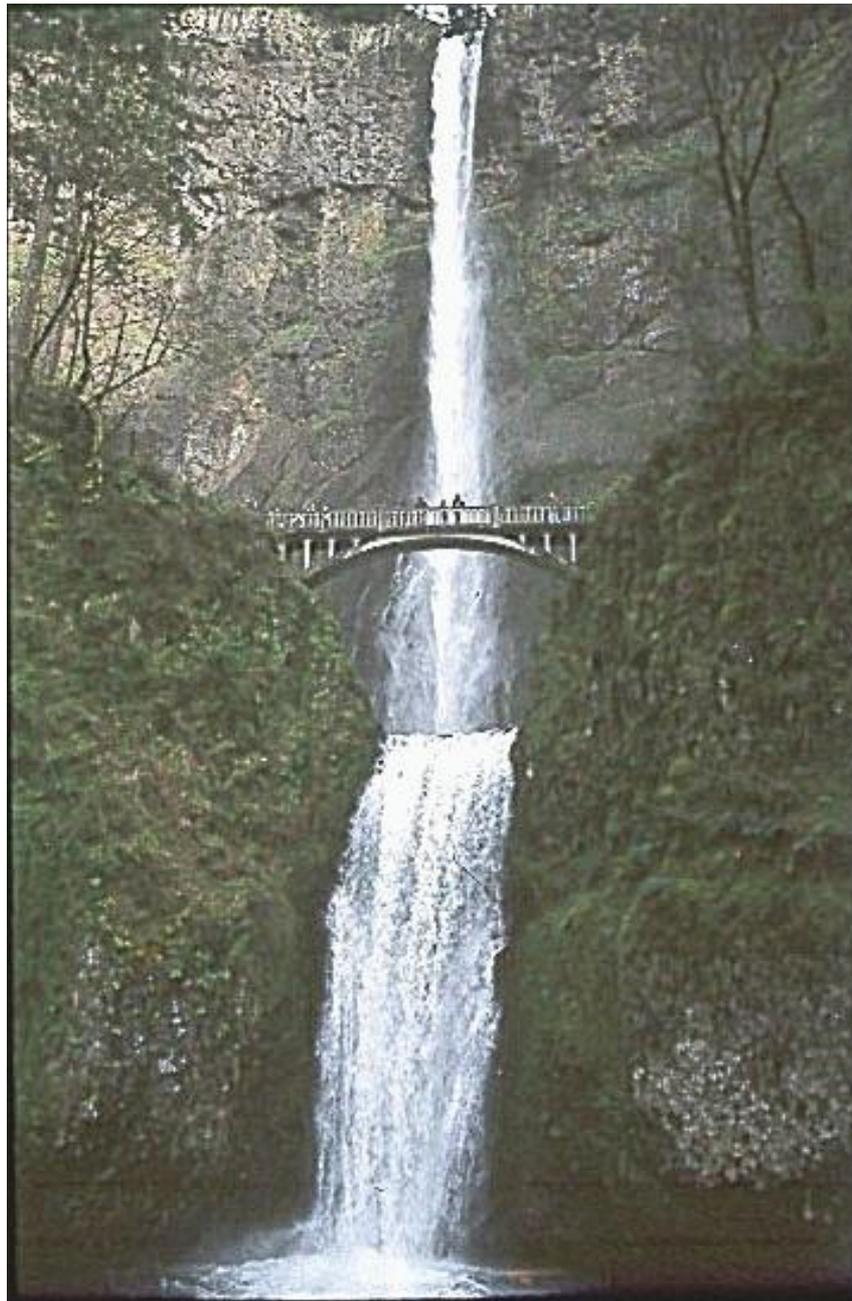
- 314 wineries
- 52 microbreweries
- Coffee (espresso) on every block in downtown

Three Sisters and Broken Top



Chapter activity

- Best chapter award winner 2004
- 8 monthly free technical meetings that draws between 100 ~ 250 attendees. Only 25% are IEEE Members!
- 3~4 meetings and topics are planned in advance by a joint program committee which consist of about 12 volunteers
- Meetings are always held on at 6 PM on the third Thursday of each month unless a different day is desired by the speaker



Multnomah Falls

620 feet

Chapter activity

- All technical meetings are free and open to the public. Registration is compulsory via the web. Currently there are 6000+ people on mailing list

Portland's International Rose Test Garden



Sponsors

- Two major sponsors
 - Local business for pizza and drinks at each of the 9 meetings
 - Oregon Graduate Institute of Science and Technology(OGI) for venue, audio visual etc

Columbia Gorge



Oregon chapter: Holding Successful Meetings

Consistency is key

- Third Thursday of each month
- Well Manage distribution list (currently over 5000 recipients)
- 50 minutes of social (enough time to mingle and enjoy pizza!)
- Weed out bogus presenters (no marketing allowed!) to keep a high standard of the lecture
- Event posting and registration system

Event posting and registration



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Upcoming IEEE Oregon Events

Date	Topic	Sponsor(s)	Venue	Registration	Cost
Jan 16, 2007	The Flux Offset Controller A novel approach to reduce transformer noise caused by 1/2 cycle saturation due to ambient DC current flow on the power system.	PES	Conference Room - Third floor 700 NE Multnomah Blvd Portland 12:30-1:30pm		FREE
Jan 17, 2007	Proper Cable Insulation Practices for AC Drives	IAS	6:00pm Dinner, 7:30pm presentation Holiday Inn Hotel Portland 1441 NE 2nd Avenue, Portland, OR		\$20.00 for dinner, presentation is free (and can be attended without attending dinner)
Jan 18, 2007	SMP and Embedded Real-Time Myths	COMSOC, Computer	OGI 6-8pm	Register	Free, open to public
Jan 23, 2007	Generation Y: The "Rules" of the Workplace	PACE	OGI 6:30-8pm	Register	Free, open to public
Jan 26, 2007	WI-FI TECHNOLOGY EVOLUTION AND INTEGRATION	SP PSU ECE	PSU (room TBA) 8AM-5PM	Register	\$295 members, \$345 non

Event posting and registration



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IEEE Seminar: SMP and Embedded Real-Time Myths

Date(s): 1/18/2007- 1/18/2007

This is a FREE lecture sponsored by the IEEE Computer and Communications Societies of Oregon and hosted by the OGI Center for Professional Development. To register for this seminar, please check the box in the upper left hand corner of this Web page. Since there is no cost, you will NOT have to provide credit card information. Networking begins at 6:00 PM with the presentation at 6:45 PM.

With the advent of multi-threaded/multi-core CPUs, even embedded realtime applications are starting to run on SMP systems--for example, both the Xbox 360 and PS3 are multi-threaded, and there have even been SMP ARM processors! As this trend continues, there will be an increasing need for realtime response from SMP systems. Because not all embedded systems vendors will be willing or able to create or purchase SMP realtime operating systems, we can expect that a number of them will make use of Linux.

Because of this change, a number of real-time tenets have now become myths. This talk exposes these myths, and then discusses some of the challenges that Linux is surmounting in order to meet the needs of this new SMP-real-time-embedded world.

Speaker Bio

Paul E. McKenney is a distinguished engineer at IBM and has worked on SMP, NUMA, and

Portland Metro area

