



Volume 50

Issue 4

January 2007

© 2006 Institute of Electrical and Electronics Engineers

www.ieee-or.org/beep

50th Anniversary

Features

- Section Events and Courses
- 2007 Section Officers
- Seeking Volunteers
- Engineers Week 2007 Call for Hosts/Sponsors
- Senior Member Rodeo
- New Senior Members
- LIGO Trip Update
- Washington Career Fly-in
- Here's Your Big Chance – OTBC VC Luncheons
- Innovation and Entrepreneurship Key for US
- Critical Infrastructure Protection Committee
- Technology & Aging Population Medical Needs
- News from around IEEE
- Eye on Washington
- OGI Public Seminars

Section Events Notice

IEEE Oregon Section meeting notices are published on the Section's web site at www.ieee-or.org/events.

PACE (PROFESSIONAL ACTIVITIES)

TOPIC: Generation Y – The “Rules” of the Workplace

SPEAKER: Elizabeth Lions

DATE: Tuesday, January 23, 2007

TIME: 6:30 PM - 8:00 PM

Doors open 6:00PM

LOCATION: Oregon Graduate Institute(OGI) West Campus, Wilson Center

COST: FREE and open to the public (registration required).

REGISTRATION: See www.ieee-or.org/events for registration or go to

<http://cpd.ogi.edu/class.asp?n=07-IEEE-0123>

IAS (Industry Applications)

Title: Proper Cable Insulation Practices for AC Drives

Presenter: George Matto, The Okonite Company

Date/Time: Wednesday, January 24, 2007

6:00pm dinner

Speaker presentation starts at 7:30pm

Cost: \$20.00 for dinner (by hotel). No charge for talk

The IAS Chapter offers free dinner for all local PSU, OSU, George Fox, U of P, and WSU Vancouver Electrical Engineering Students

Place: Holiday Inn Hotel Portland

1441 NE 2nd Avenue, Portland, OR

Reservations: For dinner send email message to WilliamJStoick@eaton.com

Other Events of Interest

Portland State University - Electrical & Computer Engineering Department in collaboration with IEEE Oregon Signal Processing Chapter presents:

Intensive One Day Course: WI-FI TECHNOLOGY EVOLUTION AND INTEGRATION

Lectured by Peter Rysavy

Date: Friday, Jan. 26, 2007

Time: 8 AM - 5 PM

Place: Portland State University, exact location TBA

Cost: \$345 Members, \$395 non-members

Full details and registration:

<http://www.ece.pdx.edu/~lvw/shortcourse/wifitech>

More info: call PSU ECE Dept. 503-725-3002

PacificNWtech Career Fair

**February 22, 2007, 3-7PM
OHSU OGI West Campus**

REGISTRATION IS NOW OPEN

www.pacificNWtech.org

The PacificNWtech Career Fair is returning in its third year. Oregon Graduate Institute Center for Professional Development (<http://cpd.ogi.edu/>), Oregon Section of the IEEE, (www.ieee-or.org), Software Association of Oregon (SAO, www.sao.org) and the Professional Resource Consortium NW (www.prcnw.org) are jointly sponsoring a high-tech job fair to be held in the Wilson Clark Center of the OHSU Oregon Graduate Institute West Campus in Beaverton.

PacificNWTEch draws the best prescreened, local high-tech professionals possessing advanced college degrees and/or over 10 years experience in their respective fields.

The Career Fair is free to high tech professionals. **All candidates are requested to pre-register for one of the hour-long time slots at www.pacificnwtech.org. Registration is on a first come basis.**

Candidates include: Engineers, Technicians, Managers, Marketers and other professionals, with a range of disciplines from: Semiconductor, ATE, EDA, T&M, Hardware, Software, Integration, IT and other fields.

A sample of the successful companies attending a past event: AOL, Azad, Ambric, BarcoView, Cisco, HP, Intel, Microsoft, Radisys, Tektronix, Xerox ... serving over 100 companies so far!

This event will be limited to 20 companies. Companies should register now, and save with early registration.

For more information or to register your company go to: www.pacificNWtech.org Download and fill out & Fax back the event registration form.

2007 Section Officers

At its December 12, 2006 meeting, the Executive Committee endorsed the selection of the new Section Officers for 2007.

Chair: Gary Hinkle
 Vice Chair: <open>
 Secretary: Kevin DeAngelis
 Treasurer: Jesse Inkpen

Dan Arnold becomes Past Chair.

Seeking Volunteers

The Oregon Section is seeking members who are interested in helping with Section operations in 2007 by helping with Section programs and activities.

We are looking for members to help with Pre-College, PACE (Professional Activities) programs, Education (workshops/seminars), newsletter (BEEEP) reporters and publishing. If you have interest helping with Chapter activities, we can connect you with the appropriate people.

The Executive Committee meets second Tuesdays at PSU at 6:30pm Members are welcome to attend.

If interested, please contact Gary Hinkle, Section Chair using the Contact_Us page on the web site..

Check out the list of your IEEE Membership Benefits:

<http://www.ieee.org/web/membership/benefits/index.html>

43rd Annual Engineers Week High School Banquet

Wednesday, February 21, 2007
 Lloyd Center DoubleTree Hotel

Call for Sponsors – Hosts & Companies

Each year, the local engineering community holds the Engineers Week High School Student Banquet. Students are invited from Portland, Vancouver and Salem area high schools. Schools provide names of students whose interests and talents lend themselves to the field of engineering or are considering engineering careers. Each student is hosted by an engineer who has volunteered to attend the banquet. Cost is \$60 for one engineer to host one student. **For companies and organizations interested in hosting a banquet table, there is a [special sponsorship level form](#) – please contact Tova Peltz for more details (tpeltz@gri.com).** Hosts are encouraged to invite their student to visit their place of work. Hosts may also attend a scheduled technical tour with their student.

We are seeking your help hosting students and sponsoring 100% of student attendance at this year's Banquet!

Event Location:	Double Tree Hotel, Lloyd Center, Portland, OR
Event Schedule:	2:00 – 4:30 pm Student / Host Tours 4:30 – 6:30 pm Displays and Exhibits 6:30 – 9:15 pm Dinner and Program
Student / Host Tours:	OHSU Tram / South Waterfront development Portland Bridges: Behind the Scenes + ODOT Control Center Adidas Research & Development laboratory (tentative)
Program Speakers:	Anne Wright / NASA Ames Research Center Leila Hasan / Carnegie Mellon University

Ms. Wright and Ms. Hasan are team leaders of the Global Connections Project, a collaborative project of NASA, Carnegie Mellon University, Google, and National Geographic. The Global Connection Project team develops software tools to increasingly automate earth visualization processes. These tools are a resource for an earth imaging browser, like Google Earth, to collect pictures and stories of real people and places, and to create global-community connectivity. The software uses information available about natural events, and real-time images of the Earth's geography, to spearhead

global disaster response and connect the world to global events.

This year hosts will be put in contact with their high school student(s) two weeks in advance of the event to facilitate day-of-the-event planning. We will also provide hosts with a useful “hosting” kit.

To host students, please return a [completed sign up form](#) to Patrick Van Duser, Engineers Week Banquet Committee Co-Chair (address is on the form). If you are able to host more than one student, your help will be greatly appreciated. Also, if you are unable to attend the banquet, please consider simply sponsoring students, so that we may accommodate more students at the banquet.

Thank you for your support.

Patrick Van Duser, PE
Black & Veatch
vanduserpm@bv.com
503-675-3182

Announcing Senior Member Rodeo

James A. Rooks, Life Fellow, Membership Chair,
Oregon Section

The IEEE Oregon Section supports the IEEE position that all members should advance to the highest grade to which they are qualified. For most members, that is the Senior Member grade. The requirements, simply said, are 10 years experience in our profession, 5 years of which is of significant performance. Does a Senior Member pay higher dues than a Member? **No!**

The Section's primary plan is to make use of the usual method for advancing Members to Senior Member grade. We will still hunt for candidates and ask them to request a nomination form from james.rooks@ieee.org. James will provide candidates a Nomination Form, to be completed and returned with their resume. With James nominating for the Section, the candidate only needs 2 references instead of three.

We are considering another Senior Member Rodeo like we held in 2006, tentatively on Tuesday, April 15. Any candidate seeking advancement by the Rodeo route is asked to request a Nomination Form, complete the Form and return it with resume to james.rooks@ieee.org. The candidate will then be “registered” and assigned a candidate number and interview time slot. Referees will be at the Rodeo, to review completed forms and resumes, then conduct a personal interview. After the interview, the referee will complete a reference form then deliver that to Section Nominator.

A new option is being considered this year. With the cooperation of Society Chapter Chairs, similar interview activities could be held in advance of regular Chapter

meetings. The candidate would still contact James at james.rooks@ieee.org to obtain a form, then complete and return the form with resume. James would then arrange with the Chapter Chair to have referees available for interviews before the Chapter meeting starts. This is more complicated, but can be an option.

New IEEE Senior Members

The IEEE Oregon Section announces our newly elected Senior Members, advanced by the Admissions and Advancements committee meeting of January 20, 2007. We congratulate each of them for taking this step.

Steven Baker Alexander Tritchkov
Chunmei Liu Kenneth Westby
Phil Ricker

The Section has new candidates submitted for the next A&A meeting. The process is easy. Contact james.rooks@ieee.org for the nomination form and the help/support of the Oregon Section.

Benefits of IEEE Senior Member Membership

- The professional recognition of your peers for technical and professional excellence.
- An attractive fine wood and bronze engraved Senior Member plaque to proudly display.
- \$25.00 gift certificate toward one new Society membership.
- A letter of commendation to your employer on the achievement of Senior Member grade (upon the request of the newly elected Senior Member).
- Announcement of elevation in our Section BEEEP and possibly Society magazine, newsletters, newspapers and notices.
- Eligibility to hold executive IEEE volunteer positions.
- Can serve as Reference for Senior Member applicants.
- Can be invited to serve on the panel to review Senior Member applications.

Oregon Section Planning Trip To Gravitational Waves Observatory

Only four hours from downtown Portland, in Hanford, Washington, is one of the world famous LIGO observatories (Laser Interferometer Gravitational Observatory).

Einstein made seven hypothesis about the laws of physics. Six of the seven, for example, that gravity can bend light, have been observed with physical testing. The seventh hypothesis, gravitational waves, has never been proven by observation. However, Einstein's track record is so good, that the United States government has spent \$500 million to set up observatories that would spot gravitational waves were they to occur.

As IEEE members we have an opportunity to tour this amazing facility. We are looking at a date in January, and are interested in how many of our members would be interested in going if we were to rent a bus(es) and all go together. We have refined our plans, and we are working on additional tours in the area (PNNL, Hanford, winery), making this an overnight trip sometime next Spring. The cost is expected to be approximately \$150 pp.

If you are interested, please e-mail Chris Jacobs at drjacobs@drchrisjacobs.com so we can get to work on organizing this trip if there is enough interest.

CALL FOR FELLOW NOMINATIONS:

Nominations are being accepted for the IEEE Fellows class of 2008. The rank of IEEE Fellow is the institute's highest member grade, bestowed on IEEE senior members who have contributed "to the advancement or application of engineering, science and technology." The deadline for nominations is 1 March 2007.

Senior members can be nominated in one of four categories: application engineer/practitioner, research engineer/scientist, educator or technical leader.

The Fellows Web site contains additional information on the nomination process including access to the Fellows Nomination Kit, lists of Fellows who may be available as references as well as the history of the IEEE Fellows program. Please visit the Fellows website at <http://www.ieee.org/fellows>.

Fourth Annual IEEE-USA Career Fly-In

March 13 - 14, 2007

Who: All IEEE members in the United States (no experience necessary).

Where: Washington, D.C.

What: A golden opportunity to speak up on behalf of your profession.

In 2006 Congress debated major changes to our nation's

immigration laws. Part of that debate included a major expansion of the H-1B program and other changes to the high-skill immigration system. But because these programs are small, relative to the broader immigration system, Congress never focused on these provisions and almost passed them without much debate.

IEEE-USA needs your help to make sure that doesn't happen again.

All IEEE members in the United States are invited to join IEEE-USA for a day and a half visit in our nation's capitol. On March 13th, participants will receive a comprehensive briefing on the current high-skill immigration debate in Congress, the political situation we face, and what can be done about it. Then, on March 14th, participants will be able to express their concerns in private meetings with their elected officials.

Before Congress can intelligently formulate high-skill immigration policy, they have to focus on it. Legislators and staff are never more focused than when they are meeting with their voters. It sends a very strong message to politicians when their voters take the time to travel to Washington.

Help IEEE-USA fight for intelligent immigration reform by joining us in Washington on March 13 and 14th.

In politics, numbers matter. We need as many engineers as possible to help us grab Congress' attention. High-skill immigration has a profound impact on the engineering profession. Your Members of Congress need you to explain this to them.

More information, including registration, can be found here:

<http://www.ieeeusa.org/policy/flyin/career/default.asp>

Here's Your Big Chance

OTBC Venture Capital Luncheon Series

It's time to shake the dust off that killer idea you have had in the back of your mind for a while now. You know it would be a sure-fire winner of a new product or service that the world desperately needs, but you don't know how to get it off the ground. Venture capitalists can provide you with the funding you need to prove your concept and also the management expertise you need to keep you from making business mistakes. Find out who the local venture capitalists are, what they are looking for, and what they can do for you. Attend the OTBC and OEF VC Series luncheons. This could be the start of putting you into the driver's seat of your own company. The next luncheon is January 23.

OTBC and OEF, will be featuring one VC firm at each

Lunch and Learn (and they'll have one angel group too). Hear a partner from each firm discuss the fund's investment strategy, target industries, and investment criteria. And you'll get advice on how to increase your odds of success in pursuing venture capital.

Sign up now before these fill up! Only \$10 each. Go to www.opentechcenter.com

Date: Tuesdays Noon-1pm

Lunch: provided/vegan options available

Location: OTBC, 15455 NW Greenbrier Pkwy, Suite 210, Beaverton

Fee: \$10.00 for each event

More information: (971) 223-4660 or visit

www.opentechcenter.com

Schedule

Jan. 23	Blueprint Ventures
Jan. 30	Mt. Hood Equity Partners
Feb. 6	Intel Capital
Feb. 13	Portland Angel Network
Feb. 20	SmartForest Ventures

Productivity, Innovation and Entrepreneurship Key for U.S. Engineers

WASHINGTON (22 January 2007) -- U.S. engineers need to hone their competitive edge through continuing education and focus on productivity, innovation and entrepreneurship to maintain rewarding careers, 2006 IEEE-USA President Dr. Ralph W. Wyndrum Jr. told BusinessWeek magazine.

"America's leadership in technology has underpinned our economic prosperity for the past half century," Wyndrum said. "But we have no monopoly on smart people, capital investment or the will to succeed. As developing economies use comparative labor cost and other advantages to build competing industries based on mature technologies, the United States can best create new jobs and new opportunity by leading the way with new technology."

"Keeping Research and Leadership at Home," by Duke University's Vivek Wadhwa, looks at what the United States can do to maintain its technological leadership and remain on the cutting edge of innovation.

Wyndrum shared his perspective alongside Intel Chairman Craig Barrett; Charles Vest, president-elect of the National Academy of Engineering; and Rick Rashid, Microsoft senior vice-president of research, among others.

The article is available at

http://www.businessweek.com/smallbiz/content/jan2007/sb20070118_135378.htm. Wyndrum's part is on page 9.

IEEE-USA Launches Critical Infrastructure Protection Committee

To Focus on Protecting Information Technology

WASHINGTON (15 December 2006) -- Citing a need to foster and assist policy initiatives related to critical infrastructure security needs, IEEE-USA will launch a Critical Infrastructure Protection Committee (CIPC) in January. IEEE-USA plans to work on these issues with government and private homeland security organizations.

The committee will look at all aspects of critical infrastructure protection, including cyber security, electric power, communications, computer networks, government services, public health, water, food supplies, energy, transportation, emergency services and banking and finance, among other key assets. IEEE-USA's focus will be on protecting the information-technology underpinnings of the infrastructure.

"The integrity of these systems is critically important to the recovery of communities after catastrophic events such as natural disasters, system failures or terrorist attacks," IEEE-USA CIPC Chair Dr. Luis Kun said. "The optimal functioning of our society depends on our nation's critical infrastructure."

The major goals of protecting critical infrastructure are prevention, minimization and recovery. Ideally, preventing disruption to the infrastructure is the first level of defense. If the traumas cannot be prevented, minimizing their harmful effects is the next level. Finally, providing the means and methods for the systems to recover from these events would reduce disruption to people's lives and minimize economic impact.

For more information, contact Dr. Kun (l.kun@ieee.org) or Debbie Rudolph (d.rudolph@ieee.org).

IEEE-USA advances the public good and promotes the careers and public policy interests of more than 220,000 engineers, scientists and allied professionals who are U.S. members of the IEEE. IEEE-USA is part of the IEEE, the world's largest technical professional society with 360,000 members in 150 countries. See <http://www.ieeeusa.org>.

IEEE-USA Position: Technology Can Improve Health Care for United States' Growing Aging Population

WASHINGTON (6 January 2006) -- The proper use of technology can improve the efficiency and quality of health care for our aging population, lower costs and perhaps improve senior citizens' quality of life, according to a position recently adopted by IEEE-USA.

The oldest of the estimated 78.2 million baby boomers – the generation born between 1946 and 1964 – are turning 60 this year at the rate of 7,918 per day. According to the 2000 U.S. Census, the United States' over-60 population is expected to more than quadruple over the next decade, making it critical that geriatric healthcare providers take advantage of existing and emerging technologies to improve health care for this growing segment of society.

In "Addressing the Healthcare Needs of Our Aging Population with Technology," IEEE-USA recommends, among other things, that:

- * The federal government provide new incentives for more of our nation's physicians and other healthcare professionals to specialize in geriatrics, and receive training in utilizing information, communication and remote sensing technologies to facilitate geriatric treatment.
- * Medical information technologies and enhanced communications capabilities be incorporated into patient care.
- * Communication standards be adopted to facilitate effective communication and information sharing by converging technologies and devices.
- * The National Health Information Network (NHIN) be designed to address specific medical information needs of our aging population.

IEEE-USA in June 2004 cosponsored a symposium that focused on the role computer, communication and other electronic technologies could be used to improve the quality and cost efficiency of geriatric care. To view the presentations and final report, go to <http://www.ieeeusa.org/calendar/conferences/geriatrictech/index.html>.

Currently, of our nation's 650,000 practicing physicians, only a little over 1 percent (6,776) are geriatricians. The Alliance for Aging Research estimates that by 2030, the United States will need about 36,000 of these practitioners. Congress recently eliminated \$31.5 million in funding to train physicians and other healthcare providers in geriatric education programs.

IEEE-USA's entire position statement, developed by its

Medical Technology Policy Committee, is available at <http://www.ieeeusa.org/policy/positions/healthcareneeds.html>.

IEEE-USA's support of the NHIN is accessible at <http://www.ieeeusa.org/policy/positions/NHIN.asp>.

2007 Engineering Salary Survey

Take 30 seconds to complete the 2007 Salary Survey for Engineers and Technical Professionals by clicking the link below. Immediately after completing the survey, the results for all engineering and technical positions will be emailed to you. Think Resources is sponsoring this survey. (**Note:** this is NOT an IEEE-sponsored survey) <http://bmsmail3.ieee.org:80/u/4976/05229885>

News from Around the IEEE

1. Engineering Education Gets Its Own Reality Show
Reality television has exploded in popularity over the past few years, introducing everything from survival on a deserted island to ballroom dancing. But can reality TV boost the popularity of engineering? Some believe it can, and to prove that point the IEEE is providing some of the funds for "Design Squad," a new half-hour weekly television program. Learn more at <http://bmsmail3.ieee.org:80/u/4972/05229885>
2. IEEE Mourns the Passing of Former Executive Director Dan Senese. Dan Senese, who served as executive director of IEEE from 1995 to 2004, died on 6 January after a brief illness. For more information, visit <http://bmsmail3.ieee.org:80/u/4973/05229885>

To read about Senese's contributions to the IEEE, visit <http://bmsmail3.ieee.org:80/u/4974/05229885>
3. Corporate Aid Speeds Up Standards Process
More than two years have passed since the first IEEE standard was produced by a working group that welcomed companies as voting members. Previously, only individuals could draft and vote on standards. But the new approach is going gangbusters: new standards are being hammered out in two years or less, compared with the four years needed previously. Read on at <http://bmsmail3.ieee.org:80/u/4975/05229885>
4. Valparaiso Wins Region 4's First Ethics Competition
To judge by recent headlines, we live in a world increasingly troubled by unethical behavior. That's all the more reason to applaud Region 4 (central United States) for sponsoring a competition to promote awareness of ethical concepts and challenges among engineering students. For more on the competition,

visit <http://bmsmail3.ieee.org:80/u/4977/05229885>

5. Webinar Focuses on Challenges in Battery Standards and Safety

The recent recall of millions of laptop batteries has prompted the IEEE to revise its guidelines for the design, manufacture, and testing of lithium-ion batteries and packs. On 25 January, hear industry experts speak about how this will impact future product designs at the Tech Insider Webinar: Challenges in Battery Standards and Safety. Sign up now at <http://bmsmail3.ieee.org:80/u/4978/05229885>

6. Marketplace of Ideas: Borrowing Internet Access

Cellphone manufacturers have begun selling phones specially equipped for making free calls using wireless Internet networks, including any unprotected networks owned by your unknowing neighbors. While critics say tapping into someone else's unprotected network is unethical, supporters say that because the calls are free, no harm, no foul. How would you feel about someone using the Internet service you pay for to make free calls? Weigh in at [<mailto:institute@ieee.org>](mailto:institute@ieee.org)

Also, read responses to October's question on whether BMW and other technology companies that have a mandatory retirement age of 60 should raise it higher. Answers range from flat-out calling the rule idiotic to saying that age is nothing but a number if a worker is still in the technology loop. See members' responses at <http://bmsmail3.ieee.org:80/u/4979/05229885>

7. Teaching Teachers a Smidgen of Engineering

In 2006, the IEEE Teacher In-Service Program (TISP) expanded beyond the United States to Malaysia and South Africa, and this year the program has its sights set on Argentina, Kenya, and Peru. But before the volunteers can begin work, they need a little help themselves on how to inject engineering principles into lesson plans. Read on at <http://bmsmail3.ieee.org:80/u/4981/05229885>

8. Class of 2007 Fellows Posted Online

The 2007 Class of Fellows has been elected. To see the list of the 268 new Fellows, go to <http://bmsmail3.ieee.org:80/u/4982/05229885>

9. Tips for Working in Global Teams

Do you work in a global technical team? Have you only met your colleagues over the phone or by video? Are time zones a primary concern when scheduling meetings? If you answer "yes" to these questions, then you're likely to be working on a team requiring communication skills unimaginable 20 years ago. Find out more at <http://bmsmail3.ieee.org:80/u/4983/05229885>

10. IEEE Spectrum Online Rolls Out New Tech Alert

IEEE Spectrum Online has created a new Tech Alert

for both members and non-members who want to receive groundbreaking news on technology and science. The alert features exclusive online interviews, articles, podcasts, and Web events with leading technology innovators, and is e-mailed biweekly in an html or plain-text format. Sign up now at <http://bmsmail3.ieee.org:80/u/4985/05229885>

11. Awards Board Seeks New Members

If you're looking for a rewarding volunteer activity, consider joining the IEEE Awards Board. The Awards Board Nominations and Appointments Committee is soliciting recommendations for a number of vacancies on the 2008 Awards Board and its committees. For more information, visit <http://bmsmail3.ieee.org:80/u/4986/05229885>

12. Business and Systems-Analysis Classes at a Discount

The IEEE Education Partners Program and InQuest Learning, an e-learning company, are offering members business and systems-analysis courses at a discount. The online courses include labs and study guides. To access the list of courses or find otherclasses, visit <http://bmsmail3.ieee.org:80/u/4987/05229885>

IEEE-USA Eye on Washington

For details and latest news visit <http://www.ieeeusa.org/policy/eyeonwashington/default.asp>

CAPITOL HILL WATCH

- New Finance Chairman Baucus Seeks Permanent R&D Credit - On the first day of the 110th Congress, new Senate Finance Chairman Max Baucus (D-Mont.) – who has indicated he will focus on competitiveness issues – introduced a bill to make the research-and-development credit a permanent part of the tax code. The credit is a top priority of the business community, but similar legislation failed during the 109th Congress. The R&D tax credit has bipartisan support, though it's unclear how much support there is for making it permanent. In a tax bill that cleared in the final moments of the lame-duck session, the 109th Congress extended the credit through 2007.
- Senate Democrats Offer Top 10 Legislative Priorities
- House Science Committee Leadership Urges Clear Research Agenda to Study Potential Implications of Nanotech - NOTE: The new name of this Committee is now the House Committee on Science and Technology. For more info, visit: <http://science.house.gov/>

- Internet Caucus Chairmen Optimistic On Net Neutrality
- R&D Caucus Briefing - Large-Scale Facilities for Small-Scale Science: The Spallation Neutron Source Becoming a Foremost Center for Materials Research

The R&D Caucus, for which IEEE-USA serves as an advisor, is sponsoring a briefing on the unique capabilities of Oak Ridge National Laboratory's new Spallation Neutron Source. The SNS will provide America the world's foremost center for materials research. A Department of Energy scientific user facility, the Spallation Neutron Source is ten times more powerful than existing neutron sources in Europe and Asia and will be an environment in which 2,000 researchers from around the world will conduct small-scale basic research that promises a broad range of discoveries and new technologies. Scientists anticipate that research conducted at the Spallation Neutron Source will strengthen American competitiveness in energy, telecommunications, manufacturing, transportation, information technology, health, and biotechnology. Details: Thursday, January 11, 2007, 12:00 noon-1:30 p.m. 2325 Rayburn House Office Building, Independence Ave, SE, Washington, D.C.

[http://www.researchcaucus.org/docs/jan_07_briefing_sns_revised_12-27%20\(2\).pdf](http://www.researchcaucus.org/docs/jan_07_briefing_sns_revised_12-27%20(2).pdf)

WHITE HOUSE & EXECUTIVE AGENCY WATCH

"I propose to double the federal commitment to the most critical basic research programs in the physical sciences over the next ten years." - President George Bush in his 2006 State of the Union Address (The President will deliver the 2007 State of the Union address in early February, at which time he will release his budget for the coming year.)

Members Named to New Advisory Panel to Measure Innovation

OGI Public Seminars

OGI has announced its latest public seminars. Details are on the OGI CPD web site (<http://cpd.ogi.edu/>). Seminars start at 6:00PM unless noted.

Jan 23	IEEE PACE: Generation Y--The "Rules" of the Workplace (Elizabeth Lions, Solid Staffing)
Jan 24	High Performance Computing for Digital Health--Changing People's Lives (Steve Pawlowski, Intel Corp.)
Jan 25	ABPMP: Business Process vs. Requirements Engineering--Twins Separated at Birth or Different Planets? (Diana Mekelburg, City of Portland)
Feb 1	Clinical Experience with Computerized Cognitive Assistance in Medicine (Jim Moon and Steve Datena, MD, Lifecom Inc.)
Feb 9	SPIN Seminar: A Defect-Free Mentality to Software Development (Rick Anderson, Tektronix)

IEEE Oregon Section 2006 Contacts

Chair	Dan Arnold	360-817-5699
Vice Chair	OPEN	
Treasurer	Bob Sparkes	503-547-2396
Secretary	Kevin DeAngelis	503-675-3183
Past Chair	Ed Perkins	503-612-9397
BEEEP Editor	Allen Taylor	503-656-0831

Editorial submissions are welcome and should be made by the 25th of the month preceding publication. Send all items to the Editor, Allen Taylor, email: allen.taylor@ieee.org

Administrative inquiries should be directed to the Section Chair, Dan Arnold, email: Daniel.Arnold@us.ul.com

To contact us, see www.ieee-or.org/contact_us.