



IEEE Boise Section Newsletter Oct 2010

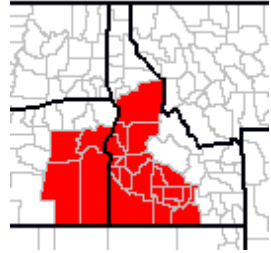


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Upcoming Events:

- Wednesday, November 3th: 12:00 PM – 1:00 PM **Automatic Metering Infrastructure**
- Monday, November 8th: 6:00 PM – 7:00 PM **Renewable Energy For Your Home or Business**
- Monday, November 15th: 7:00PM—8:30PM **November 2nd Election and Its Implications for Engineers**
- Monday, December 6th: 6:30PM-9:30PM **IEEE Boise Computer Society Banquet**

Event details:

The first two events mentioned here are the upcoming IEEE Technical Meetings in November from Boise Joint Chapter of the Power and Energy and Industrial Applications Societies (<http://ieeoboise.org/chapters/peis/>)

Automatic Metering Infrastructure:

November 3rd: 12:00 PM – 1:00 PM

Idaho Power Headquarters
1221 W. Idaho, Boise, ID 83702
Conference Room: Cafeteria, 2nd Floor
Call (208) 871-7424, or ask the front desk for assistance, if you cannot find the conference room.

Mark Heintzelman, Regional Operations Support Leader from Idaho Power, will discuss the AMI (Automatic Metering Infrastructure Project) that Idaho Power is currently deploying to automatically read power meters. His presentation will include AMI System Requirements, technical description, deployment schedule, business case, capabilities, and operational enhancements.

Pizza and drinks will be provided at this event. If you plan to attend, please visit the link below to help us order the appropriate amount of pizza.

RSVP Link (Not required, but strongly encouraged):

<http://www.surveypob.com/surveybob/s/49776687-d7f2-4647-a29d-20f7faad088.html>

Renewable Energy For Your Home or Business:

November 8th: 6:00 PM – 7:00 PM

Boise State University

MEC: Micron Engineering Center: Room # 106

The room # will be announced in emails and posted to the Chapter Website:

<http://ieeoboise.org/chapters/peis/>

Scott Gates, Renewable Energy Specialist from Idaho Power, will give a presentation covering the cost, production and interconnection of small homeowner sized wind and solar power generating systems. In addition, he will talk about demand side consumption, understanding your power bill, and Green Power concepts and technology advancements for solar and wind. Pizza and drinks will be provided at this event. If you plan to attend, please visit the link below to help us order the appropriate amount of pizza.

RSVP Link (Not required, but strongly encouraged):

<http://www.surveypob.com/surveybob/s/49776687-d7f2-4647-a29d-20f7faad088.html>

November 2nd Election and Its Implications for Engineers:

Monday, November 15, 2010: 7:00pm—8:30pm

Boise State University, Student Union Building – Barnwell room

Cost: Free

Food: Snacks Provided

More Information: Email jrekiere@ieee.org

“November 2nd Election and Its Implications for Engineers”

Guest Speaker: Russell Harrison, IEEE-USA

You’re invited to hear Russell Harrison present about the November national election results and its implication for engineers. Bring a friend.

Over the last ten years there has been a very clear, but rarely noted, trend in American politics. In the 21st century the number of people elected to Congress with backgrounds in science, engineering, math or other technical fields (including medicine) has increased from about a dozen in 2000 to 76 in 2009. Which is good, since our increasingly technical and complicated society needs people with backgrounds in science and engineering to help run it. This trend was reflected in the types of issues Congress focused on over the last few years. Technical issues like cybersecurity, the smart grid and intellectual property reform were unusually high on Congress’ agenda. Many of these same issues will be on Congress’ agenda in 2011 as well. But who will be in Congress to deal with them? Join IEEE-USA’s Senior Legislative Representative for grassroots activities Russ Harrison in a discussion about the November 2nd election and its implications for engineers. We’ll discuss energy reform, NASA, high-skill immigration and other issues of interest to technologists and what how the 2010 election will likely affect them. Then we’ll discuss what we, as engineers, can do about it.

Russell Harrison is the Senior Legislative Representative for Grassroots Activities for IEEE-USA. He is responsible for helping IEEE members in the U.S. interact with, and ultimately influence, elected officials.

IEEE Boise Computer Society Banquet

Location: Boise State University, Student Union Bishop Barnwell Room.

Date: Monday, December 6, 2010

Time: 6:30pm—9:30pm (Dinner Served at 7:00 and Guest Speaker at 8:00)

Cost: \$20/\$15* - IEEE Members and Guests, \$25/\$20* - Non Members, \$10 - Student Members, Free - Student IEEE Officers.
Pay at the door.

Menu: Beef or vegetarian entrees with salad, drink and dessert

RSVP by Monday, November 29th* (*RSVP early for discounted rate. Early registration ends Tuesday November 23rd)

Register at: <http://tinyurl.com/bcs2010>

Announcements

IEEE awards

It was pointed out in the recent Op-Comm meeting that it could be useful to bring to the notice of the section members, about the IEEE awards program. The following excerpt from IEEE's website aptly describes their mission. "*The Awards program honors achievements in education, industry, research, and service. Each award has a unique mission and criteria, and offers the opportunity to honor distinguished colleagues, inspiring teachers and corporate leaders.*" The IEEE website (<http://iee.org/about/awards>) also provides detailed information about the different awards, medals and recognitions that come out of this program. Also provided is the information about the previous recipients, which can help understand the typical requirements for each award. We would like to urge all the section members to go through the website and see if there are any eligible nominees for any of these awards in Boise section. Recognizing the right achievements can help serve the purpose of this IEEE program better and also will help Boise section get more recognition.

Volunteers sought for Future City Competition

The Future City Competition, in its 19th year nationally and 7th year in Idaho, is an educational program for 6th, 7th and 8th grade students run entirely by volunteers throughout the state. The Future City program combines a technical challenge with a "hands-on" application as students present their vision of a city of the future by working in teams along with their teacher and a volunteer mentor.

The program is looking for engineer mentors for a few schools. That coordination could start for anyone who is interested right away.

The program is also looking for volunteers to help judge student designs, essays, models, and presentations. The judging takes place from mid December to mid January for the SimCity Models and Essays. The competition day model and presentation judges would need to volunteer 4 hours or so on the morning of January 22nd.

If you are interested in volunteering or would like more information about the Future City program please visit www.futurecityidaho.org or contact Erika Bowen, erika.bowen@itd.idaho.gov or 208-334-8552.

STEM Volunteers

Do you help organize, coach, mentor, or volunteer in some other way on a Science, Technology, Engineering, and Mathematics (STEM) education activity? We would like to hear from you! In future newsletters, we plan to highlight some of the volunteer work that IEEE members in our section are doing to support STEM activities. Please contact Chris Gunning at cgunning@ieee.org

IEEE Members Select Gordon W. Day 2011 President-Elect

Gordon W. Day, National Institute of Standards and Technology (Retired), Boulder, Colorado, USA, has been selected as 2011 IEEE President-Elect. Gordon Day will begin serving as IEEE President on 1 January 2012. He will succeed 2011 IEEE President Moshe Kam.

Dr. Day was the guest speaker at our IEEE Boise Engineers Week banquet in February. He previously served as the 2009 President of IEEE-USA, the unit of IEEE that supports the career and public policy interests of 210,000 IEEE members in the U.S.

Michael R. Andrews was elected to the Office of IEEE Region Delegate-Elect/Director-Elect, 2011-2012 as our Region 6 representative. James M. Howard was elected 2011 IEEE-USA President-Elect.

[Review the complete 2010 IEEE Annual Election results.](#)

IEEE.tv Goes Mobile

IEEE.tv has announced that a [mobile version of IEEE.tv is now available](#) for iPhones, iPod Touch, and iPads. The recent launch of the mobile site will provide quick and easy access to the IEEE.tv program catalog via iOS devices. Support for additional mobile devices will be released as demand is tracked across the different mobile platforms. If you have access to an iPhone, iPad, or iPod Touch, check it out!

IEEE Launches the IEEE eLearning Library

IEEE announced the launch of the [IEEE eLearning Library](#) on 11 October. The IEEE eLearning Library is composed of nearly 200 short, online courses in core and emerging technologies. Each course was developed and peer-reviewed by subject experts and awards continuing education units (CEU) or professional development hours (PDH) upon successful completion.

IEEE eLearning Library courses can be viewed in the IEEE Xplore digital library and accessed via the IEEE Learning Management System (LMS). Topics range from smart grid and biometrics to telecommunications and green engineering.

Section News

Section elections 2011

The online tool for section elections-2011 is now open. The deadline for voting would be midnight MST on Dec 3rd. The following is the hyperlink for online voting.

<https://voting.vtools.ieee.org/>

The following are the section OpComm positions for which we would hold elections. The candidate bio/statements are also provided here.

Chair: Chris Gunning, Randy Wolff

Vice-Chair: Shyam Surthi, Perry Lea

Secretary: Kristen Hopper, Joe Rekiere

Treasurer: Gary Ashton, Huy Le

Chris Gunning is the current section chair of the IEEE Boise Section. Previously, he was the section secretary and the chair of the Boise Computer Society chapter. He has been an IEEE member for 25 years. Chris has a BSCS from MIT and an MSEE from Stanford. After serving in the US Air Force for ten years, Chris joined HP in 1992, where he currently is the security firmware architect for enterprise LaserJet products. He lives in Boise with his wife, daughters, and two neurotic cats.

Randy Wolff has worked in various engineering positions at Micron Technology since 2000 and currently leads a component modeling team within the Signal Integrity R&D group. He graduated cum laude from Montana State University with a BSEE in

1999. He is currently the Boise section treasurer and has previously been the GOLD affinity group chair and chair of the Montana State University student section.

Shyam Surthi is a Senior Process Integration Engineer with the DRAM process R&D team at Micron Technology, Inc. He received his B.S. and M.S. in Chemical Engineering from the University of Bombay and Ph.D. degree in Electrical Engineering from the University of Alabama. At Micron, Shyam has been a part of the thin films process development team and is currently leading the module development and electrical characterization of next generation DRAM. He has co-authored 24 referred publications in journal and conference proceedings and has 10 US patents/applications.

Shyam has been actively involved with the IEEE Electron Devices Society Boise chapter and the Workshop on Microelectronics and Electron Devices (WMED) since 2004 and was the General Chair of WMED-2009 held on April 3, 2009 in Boise. He is currently the EDS Boise Chapter Chair as well as the Vice-chair of the Boise section. During last two years, he has led the Senior Member drive and increased the Senior member count of chapter/section from 40 to 60.

Perry Lea is a master architect working at Hewlett Packard. His main interests are deeply embedded design, imaging, and heterogeneous multiprocessing. He has a number of patents, pending patents, trade secret technologies and numerous defensive publications. He has been an IEEE and ACM member for 17 years and was elected to senior standing in the IEEE in 2002. He also was one of the founders of the IEEE Computer Society in Boise and served as officer and chair. He has a BS Computer Science, MS Computer Engineering and recently obtained his postgraduate EngD at Columbia University. He currently lives in Eagle Idaho with his wife.

Kristen Manon McNair Hopper, an IEEE Senior Member, is the present IEEE Boise Section Secretary and Client SSD Strategic Marketing Manager at Micron Technology, Inc. She recently served as the European Automotive Customer Marketing Manager at Analog Devices' Micromachined Products Division in Cambridge, MA. She previously worked in Engine Management at Infineon Technologies in Munich, Germany, as Technical Marketing Staff Engineer, at Delphi Technical Centre in Luxembourg as an Electronics Systems Engineer and at Delphi in Indiana as Advanced IC Project Engineer and MEMS Process Engineer. Mrs. Hopper received her Master of Science in Electrical Engineering from the University of California at Berkeley and her Bachelor of Science in Electrical Engineering from Cornell University.

Joe Rekiere works as a software engineer at Hewlett-Packard in their storage works division. He currently serves as Boise Computer Society treasurer and the Boise section PACE chair. He is a past section newsletter editor and has held officer positions in the Boise Computer Society as chair, treasurer and speaker chair. He received BSEE and MCS degrees from Arizona State University. He holds a CSDP from the IEEE Computer Society.

Dr. Gary Ashton has been an IEEE member for twenty years and active in the Boise Section for the last several years with activities including the FY2010 financial audit and compiling election results. His career includes PhD and MS degrees in Physics, an MS degree in Image Science, and a BS degree in Physics and Mathematics. He has been involved in research and development in multiple technologies and products at 3M, Imation, Compaq Computer, and Hewlett Packard and has seven patents.

Huy Le, Ph.D. has been working in the industry for 20 years. His experiences include VLSI reliability engineering and device physics, wire-line and wireless data communication engineering. He has published a number of technical articles in peer reviewed journals and conference proceedings. He is currently with Micron Technology, and a senior member of the IEEE.

Boise section picnic

The IEEE Boise section annual picnic was held on September 17th at Municipal park. The student members helped cook delicious food, which added to the great weather and member turnout.



Student members grilled burgers and hot dogs



Members got chance to enhance their networking



Great weather also gave chance for some games



Family members enjoyed the evening with delicious food

Notes:

IEEE Official LinkedIn Group

IEEE has its own official LinkedIn group.

The following is excerpted from the main page of the IEEE LinkedIn group.

This group contains Members of the IEEE, a non-profit organization and the world's leading professional association for the advancement of technology. Managed by IEEE staff, this is the only global IEEE group on LinkedIn that is verified against the official IEEE membership database. Active IEEE membership is required. For immediate approval, an IEEE email alias should be selected and confirmed as the contact email during the group application process.

If you do not have an IEEE.org email alias please visit <http://elecomm.ieee.org/> to obtain it. Be sure to add it to your LinkedIn profile prior to applying for the group to assure an instant approval; note that Linked In will first send a verification message that must be opened to confirm the address.

FYI - If an IEEE.org email domain is not provided during the group application process you could face a significant delay as they manually review all submissions sent with a different email domain. Approval in this case is based on matching Name and Email provided during the LinkedIn groups application process to the IEEE membership database.

http://www.linkedin.com/groups?home=&gid=23804&trk=anet_ug_hm

Also, IEEE Boise section has its own group(name: IEEE Boise Section) in Linked In now. This is intended to be a general purpose group that IEEE Boise section members can join.

Company Liaisons

Do you work at a company that employs engineers within our section? We invite each company to have one 'Company Liaison' to join our section's operational committee. The main responsibility of these people is to provide a point of contact to send information from the section Operations Committee to members working at these companies and to return information as to how the needs of their engineers can be met by the section. Company Liaisons are included in email discussions from the OPCOM, and are encouraged to help advertise section events to members and non-members at their place of employment beyond the section newsletters. They are invited along with all the section members to attend OPCOM meetings and give us input. If you are interested in being a company liaison, please contact Chris Gunning (cgunning@ieee.org).

Do We Have Your Correct E-mail?

If you haven't been receiving the newsletter or event notices electronically, check what we have for your email address on your mailing label. Please notify both the IEEE (address-changes@ieee.org or <http://services1.ieee.org/membersvc/coa/intro.htm> and the Boise Section Chair (cgunning@ieee.org) so we can add you to our electronic mailing list (we get address corrections only once a month from the IEEE). Plans often come about for events between newsletters. To assure that you get timely information about IEEE Boise events, please make sure we have your correct email address in our address database.

How can the Boise Section better meet your needs?

The Boise Section officers would like to make the best use of our dues to meet the needs of the engineers in the Boise section. The section currently provides for or partly subsidizes speakers, banquets and picnics through the use of your annual dues. If you have ideas on how to best meet the needs of the sections engineers, contact one of the officers.

Volunteering – IEEE Members Get Involved

Getting Started:

- Contact your local IEEE section and chapters
- Learn about the IEEE Educational Activities Board
- Get Involved with the IEEE Standards Association
- Participate in a technical society or technical council
- Get involved with the IEEE Technical Activities Board
- Shape and promote USA technology policy and professional activities through IEEE-USA
- Organize an IEEE Conference

See *How to Volunteer* at www.ieee.org/web/volunteers/home/index.html

Your 2010 Officers:

IEEE Boise Section:

Chair: Chris Gunning
cgunning@ieee.org

Vice-Chair: Shyam Surthi
ssurthi@micron.com

Secretary: Kristen Hopper
kmmcnair@ieee.org

Treasurer: Randy Wolff
rrwolff@micron.com

Membership: Jaydip Guha
guhajaydip@yahoo.com

GOLD Chair: Greg Gatlin
ggatlin@micron.com

PACE: Joe Rekiere
jrekiere@ieee.org

Web Page: Kevin Turner
kevin@kmtturner.com

Newsletter Editor: Satya Saripalli
ssaripalli@ieee.org

Boise EDS Chapter:

Chair: Shyam Surthi
ssurthi@micron.com

Boise PE&IA Chapter:

Chair: Mark Bussert
mbussert@ieee.org

Boise Computer Society Chapter:

Chair: Denise Korman
d.a.korman@ieee.org

Student Branch at Boise State University:

Chair: Cameron Stewart
ieee@boisestate.edu



You make a difference when you join the IEEE.

<http://ieeoboise.org/>