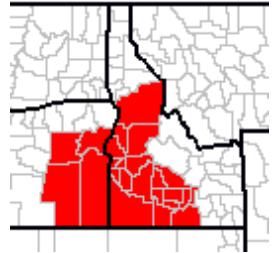




# IEEE Boise Section Newsletter September 2013



## Contents

Upcoming Events .....	1
October 9 <sup>th</sup> – Signal Processing for Vehicle Anomaly Detection .....	1
October 10 <sup>th</sup> – Kickstand Event.....	1
November 7 <sup>th</sup> – Boise Computer Society Banquet.....	2
Announcements .....	3
IEEE Boise Section Web Site Relaunch .....	3
IEEE WMED 2014 Call for Papers .....	3
Section News .....	4
IEEE NE Area Awards Winners .....	4
Notes .....	4
IEEE Region 6 Awards - Call for Nominations .....	4
2014 Boise Section Officers – Call for Volunteers .....	5
2013 Boise Section Fall Picnic .....	5
Company Liaisons .....	6
Do We Have Your Correct E-mail? .....	6
Your 2013 Officers:.....	7

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## Upcoming Events

### October 9<sup>th</sup> – Signal Processing for Vehicle Anomaly Detection

When: Wednesday, October 9, 3:00 pm

Where: BSU Campus, MEC 309

Sponsor: Boise Signal Processing Society (SPS) Chapter

Cars increasingly have cameras included in them. Jun Guo will discuss work he did in using these cameras to track whether the car is in the lane and whether any objects come into the path ahead of the vehicle.

The SPS in Boise has talks approximately every other week. Future talks (date TBD) include an Information Theory Tutorial, Particle Filtering for Distributed Target Tracking, and Neuromorphic Learning. Join the SPS and you will automatically get email notification of these talks. Everyone is welcome, independent of your membership status.

### October 10<sup>th</sup> – Kickstand Event

Topic: Inspire

When: Thursday, October 10, 5:30 pm – 7:00 pm

Where: Watercooler, 1405 W. Idaho St., Boise

RSVP: Required at <http://www.kickstand.org/BookingRetrieve.aspx?ID=210688>

Additional: Food and drinks provided

Kickstand is a Boise organization whose mission is to connect, inspire, and support all entrepreneurs. Kickstand members **Connect** with each other on the 2nd Thursday of each month. Special guest speakers are invited to **Inspire** all of us. Kickstand Board members and Organization members are there to **Support** each other, help with business issues, offer resources available in the Boise Area and help you grow your business.

The IEEE Boise Section is sponsoring free admission (covering the \$10 fee) for our members. If you are entrepreneurial and are looking for help with bringing your business idea to fruition, consider attending the next Kickstand meeting. **You must bring your IEEE membership card and present it at check-in to receive the free admission.**

<http://www.kickstand.org/>

## November 7<sup>th</sup> – Boise Computer Society Banquet



# **IEEE Boise Computer Society Banquet**

**November 7<sup>th</sup>, 2013**

**Guest Speaker: Philippe Kruchten**

**Topic: Games Software Folks Play**

Over the years, we've identified some of the strategies and tactics software architects use during the design of new, bold, large software-intensive systems: divide-and-conquer, brainstorming, reuse, etc. But we have also observed some strange tactics, biases, and reasoning fallacies that creep in and pervert somehow the design process. They go by simple, funny or fancy names: anchoring, red herring, elephant in the room, post hoc ergo propter hoc, non sequitur, argumentum verborium, etc.



This talk will include a little illustrated catalogue of these games; some examples; and a discussion of how they sometimes combine into subtle but elaborate political plots.

Philippe Kruchten is professor of software engineering in the department of electrical and computer engineering of the University of British Columbia, in Vancouver, Canada. He holds an NSRC Chair in design engineering. He joined

UBC in 2004 after a 30+ year career in industry, where he worked mostly with large software-intensive systems design, in the domains of telecommunication, defense, aerospace and transportation. Some of his experience is embodied in the Rational Unified Process® (RUP®) whose development he directed from 1995 till 2003, when Rational Software was bought by IBM. RUP includes an architectural design method, known as “RUP 4+1 view.”

**When:** Thursday Nov 7<sup>th</sup>, 2013, 6-9:30PM

**Time:** Doors open at 6:00, Dinner served at 6:30, Presentation at 7:00

**Location:** BSU Student Union, Boise, Idaho (Room Location: Jordan C)

**Register:** <http://tinyurl.com/ieebcs13> **Registration deadline is Oct 30<sup>th</sup>, 2013**

**Cost:** Registration by Oct, 30

IEEE Members and guest: \$20

IEEE Student branch members: \$10

Other BSU students: \$20

General Public: \$30

**Bonus for early registration: Register by Oct. 23<sup>rd</sup> and receive a \$5 discount!**

Please contact Joe Rekire ([jrekire@ieee.org](mailto:jrekire@ieee.org)) for additional information.

IEEE Boise Computer Society: <http://www.ewh.ieee.org/r6/boise/computer/>

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## Announcements

### IEEE Boise Section Web Site Relaunch

By Ross Butler

The IEEE Boise Section will soon have an up-to-date Web presence. The section's Web site, which previously was hosted on a private server, is being relaunched using Web resources provided by the IEEE. The new Web site is hosted on an IEEE server and uses the WordPress publishing platform. The WordPress installation is managed by the IEEE, thus easing the task of setting up and maintaining the Web site. The new Web site will be a source for current Section news and events as well as contact information on Section and society chapter officers and committee chairs. It will also be an outlet for information on various local IEEE society chapters and their activities.

The basic outline and structure of the Web site is in place, and new content is being added bit by bit. While keeping the site up-to-date will be an ongoing process, most of the static content should be in place by the end of the first week of October. The site will then be brought up-to-date with current posts and articles. At that point, the site will become a useful resource for Section news and information.

If you have any ideas or suggestions for the new Web site, please contact Ross Butler at [rossbutler@ieee.org](mailto:rossbutler@ieee.org). (Being a webmaster is a new thing for him, so your input and advice is very welcome!) You can monitor the site's progress by going to <http://sites.ieee.org/boise/>.

### IEEE WMED 2014 Call for Papers

By Jaydeb Goswami



It's time to start considering what you might present at the **2014 IEEE Workshop on Microelectronics and Electron Devices** – to be held on April 18<sup>th</sup>, 2014 at the Boise State University Student Union Building. This twelfth annual workshop will provide a forum for reviewing and discussing all aspects of microelectronics including semiconductor processing, electrical characterization, advanced design, and new device technologies. Sponsored, in part, by the [Micron Foundation](#), the workshop consists of invited talks, contributed papers, tutorials, as well as a poster session in the afternoon.

Attendance continues to grow, so take advantage of this great opportunity to share your work with engineers and technologists from all around the region. The WMED invites you to contribute papers on either completed research or "work-in-progress." Topics in the following areas will form the contributing sessions and poster session of the workshop program:

- Microelectronic device processing and integration
- Emerging memories and material systems
- Novel device technology and reliability
- Circuit design, device modeling and simulation
- Semiconductor packaging and reliability
- Optoelectronic devices, displays, sensors and MEMS

All accepted manuscripts will be indexed in the IEEE Xplore database. A printed proceeding of the accepted papers as well as a CD-ROM including the papers and presentations is planned and will be available at the start of the workshop. A template containing [manuscript preparation instructions](#) ⇒ can be downloaded.

#### **Important Workshop Dates**

- January 24, 2014 - Manuscript Submission Deadline
- April 4, 2014 - Advance Registration Deadline
- April 18, 2014 - WMED-2014 Workshop

Please submit your IEEE-formatted manuscript (up to 4 pages) by **January 24th, 2014** to the WMED Publications Chair, Yantao Ma ([yantaoma@micron.com](mailto:yantaoma@micron.com), +1 208-363-3222). The Technical Program Committee will have a peer-review process to meet the IEEE criterion for minimum standards of quality (details on the website). Questions concerning the conference can be directed to: Jaydeb Goswami (IEEE WMED 2014 General Chair, [jgoswami@micron.com](mailto:jgoswami@micron.com), +1 208-368-4989). Additional information for the Workshop can be found at the [WMED 2014](#) website.

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## Section News

### IEEE NE Area Awards Winners

By Randy Wolff

The Boise Section is pleased to announce two winners for IEEE awards at the NE Area of Region 6 level. The NE Area includes 6 sections covering Idaho, Montana and Utah. The winners will be presented awards at the Boise Section spring banquet in 2014.

The winner of the Outstanding Educator award, nominated by Huy Le, is Jeb Anderson. Jeb teaches 10<sup>th</sup> grade math at Cole Valley Christian School in Meridian. He was nominated as a teacher of excellence and dedication, giving insight to his students to help them understand the importance of math education. Congratulations Jeb.

The winner of the Outstanding Leadership and Professional Service award, nominated by Steve Groothuis, is Shyam Surthi. Shyam is a Principal Engineer at Micron Technology. He was nominated for his dedication to making the IEEE more accessible for local members, for his management of the WMED conference and dedication to giving attendees more value than the cost of registration, for his organization of Senior Member drives, and for his work on an educational program for high school students to experience electrical engineering principles. He exemplifies a true volunteer and IEEE should be proud to have him represent the organization with such professionalism and vigor. Congratulations Shyam.

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## Notes

### IEEE Region 6 Awards - Call for Nominations

By Randy Wolff

The IEEE has many awards available to recognize the talents and efforts of its members and people sharing our goals. The Boise section annually solicits nominations for some of these awards for our members. These section winners are then forwarded to compete at the Area level. Winners from our NE Area then compete for awards in our Region 6. Winners at the Region 6 and Area levels will receive a very nice plaque at our Spring Banquet.

The schedule for 2014 awards has been advanced several months to allow for the Region 6 awards to be presented February 1. So, award nominations for 2014 are due to the section by **Sunday, November 17**. The Boise section plans to nominate candidates for several awards. If you'd like to nominate someone for an award, please contact Randy Wolff, [r.r.wolff@ieee.org](mailto:r.r.wolff@ieee.org), for a nomination form. If you have any questions or need assistance, don't hesitate to ask.

Please consider submitting nominations for the following award categories:

#### Outstanding Educator Award

To honor IEEE members and current University or pre-University classroom teachers who have inspired an appreciation and understanding of Mathematics, Science and Technology and the engineering process in students, and who have encouraged students to pursue technical careers. Involvement with pre-university initiatives including class visits, Future City, TISP, SMART, MATH COUNTS, First programs, Science Olympiad, etc. or university branches, etc. The nominee does not have to be an IEEE member.

### **Outstanding Engineer Award**

To recognize IEEE members of Region 6 who through their technical abilities have made outstanding contributions to their profession. It recognizes the development of new technical concepts, significant patents, development of new devices, development of applications, new designs, significant cost reductions using known techniques, etc.

### **Outstanding Leadership and Professional Service Award**

To recognize IEEE members of Region 6 who through their professional and technical abilities have made outstanding and noteworthy contributions to the Institute, their communities, fellow professionals and fellow man. The award is not designed to recognize a single achievement, but rather collective contributions complemented by singular works exemplifying the objectives and attributes of IEEE.

### **Outstanding Engineering Manager Award**

To honor IEEE members and current engineering managers who have successfully lead their organizations to significant contributions to research, development, or technology utilizing an appreciation and understanding of mathematics, science and technology and the engineering process in product development. Have been instrumental in building employees' technical careers as evidenced by employee recognitions received. Have influenced university and STEM education by direct interaction or indirect influence, including class visits, participation on industrial advisory boards, ABET panels, etc. and who have encouraged students to pursue technical careers. Involvement with university and pre-university initiatives including class visits, IEEE, Future City, TISP, SMART, MATHCOUNTS, FIRST programs, Science Olympiad, etc. The nominee does not have to be an IEEE member.

## **2014 Boise Section Officers – Call for Volunteers**

By Randy Wolff

Keeping the Boise Section active and relevant for our members requires the volunteer help of many people. Most officer positions require a commitment of only a couple hours per month. Volunteering with the Section is a great way to network with other engineers, and as an officer, you will influence how we spend our members' money to provide services to the engineering community and the community at large. Officer elections for 2014 will occur later this year. If you have an interest in volunteering in 2014, please contact our current chair Randy Wolff, [r.r.wolff@ieee.org](mailto:r.r.wolff@ieee.org), to inquire about how you can help. Below is a list of officer positions for the section. Please consider helping next year, and you can help make the IEEE work better for you.

Chair

Vice-Chair

Secretary

Treasurer

Membership Development (membership retention and Senior member elevations)

PACE (helps organize activities of interest to professional engineers)

Webpage Editor

Newsletter Editor (help publish what you're reading right now)

GOLD Chair (helps organize activities of interest to recently graduated and younger engineers)

## **2013 Boise Section Fall Picnic**

By Randy Wolff

The Boise Section held its annual Fall Picnic on September 6 at Municipal Park. Many thanks to the BSU student branch led by Tyler Nichols for cooking up some excellent food. The picnic was well attended by students and professionals. The weather was nice, and everyone enjoyed socializing until 8:00pm. It was great to see many new faces including lots of smiling kids. Thanks to those who attended, and we hope to see you at future IEEE events.



## 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 OPCOMM, 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 OPCOMM meetings and give us input. If you are interested in being a company liaison, please contact Randy Wolff ([rwluff@micron.com](mailto:rwluff@micron.com)).

## 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](mailto:address-changes@ieee.org) or <http://services1.ieee.org/membersvc/coa/intro.htm>) and the Boise Section Chair Randy Wolff ([r.r.wolff@ieee.org](mailto:r.r.wolff@ieee.org)) so we can add you to our electronic mailing list (we get address corrections only once a month from the IEEE). To assure that you get timely information about IEEE Boise events, please make sure we have your correct email address in our address database.

## Your 2013 Officers:

### IEEE Boise Section:

Chair: Randy Wolff  
[rrwolff@micron.com](mailto:rrwolff@micron.com)

Vice-Chair: Kristen Hopper  
[kmmcnair@ieee.org](mailto:kmmcnair@ieee.org)

Treasurer: Sean Collison  
[scollison@gmail.com](mailto:scollison@gmail.com)

Membership: Duane Goodner  
[duane\\_goodner@gmail.com](mailto:duane_goodner@gmail.com)

GOLD Chair: Katie Dellaquila  
[katie.dellaquila@hp.com](mailto:katie.dellaquila@hp.com)

PACE: Manjunath Bhuyar  
[manjunath.bhuyar@ieee.org](mailto:manjunath.bhuyar@ieee.org)

Web Page: Ross Butler  
[rossbutler@ieee.org](mailto:rossbutler@ieee.org)

Newsletter Editor: Jaydeb Goswami  
[jgoswami@micron.com](mailto:jgoswami@micron.com)

Life Members Chair: Bob Hay  
[roberthay@boisestate.edu](mailto:roberthay@boisestate.edu)

### Boise EDS Chapter:

Chair: Tony Liu  
[zliu@micron.com](mailto:zliu@micron.com)

### Boise PE&IA Societies Chapter:

Chair: Mark Bussert  
[mbussert@ieee.org](mailto:mbussert@ieee.org)

### Boise Computer Society Chapter:

Chair: Joe Rekiere  
[jrekiere@ieee.org](mailto:jrekiere@ieee.org)

### Boise SPS Chapter:

Chair: Uri Rogers:  
[urirogers@u.boisestate.edu](mailto:urirogers@u.boisestate.edu)

### Boise SSCS Chapter:

Chair: Vishal Saxena,  
[vishalsaxena@boisestate.edu](mailto:vishalsaxena@boisestate.edu)

### Student Branch at Boise State University:

President : Tyler Nichol

Vice President: Brian Dambi

Secretary: Janos Cserna

Treasurer: Ali Ibrahim  
[ieee.bsu.officers@gmail.com](mailto:ieee.bsu.officers@gmail.com)

### Region 6 Northeast Area Chair:

Elisa Barney Smith  
[EBarneySmith@boisestate.edu](mailto:EBarneySmith@boisestate.edu)



You make a difference when you join the IEEE.

<http://ieeeboise.org/>