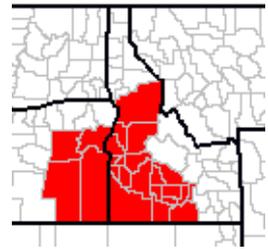




IEEE Boise Section Newsletter April 2011



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Upcoming Events

Saturday, April 9th – Volunteers Needed for Upcoming GOLD Activity

Coming up on April 9, the Idaho Science Olympiad is looking for volunteers to help judge their Sumo Bot competition. This volunteer activity will be an IEEE GOLD (Graduates of The Last Decade) activity, but anyone is welcome to help out. If you are interested or would like more information, feel free to contact Sean Collison (scollison@gmail.com).

Additionally, GOLD is expecting to have a future activity where someone from Boise State will hold an evening information session on MBA degrees.

Saturday, April 16th – IEEE Region 6 Northeast Area Meeting

Time: 8:30am - 3:15pm

Location: Boise State University, Micron Engineering Center, Rooms 307, 309 & 114

Event description: The Boise Section is part of the Northeast Area of IEEE's Region 6. The Region and Area meet once in the Spring and once in the Fall. All section members are invited to attend this meeting. Lunch is provided. You can meet some section leaders from the other Area sections (Eastern ID, Eastern MT, Montana, Western MT & Utah), learn about the IEEE structure beyond Boise, and give input on things our section and the others can do to improve membership value (part of your membership dues go to local and regional activities).

The Area Student Paper contest and Micro Mouse contest will be held after the business meeting. The paper contest is currently

scheduled for 11:00am and the micro mouse contest for 1:00pm (times are tentative). Spectators are welcome (kids love to watch the miniature robots navigate the maze, so bring your kids), and judges are needed for the student paper contest. See <http://ewh.ieee.org/reg/6/ne/SpringMeeting2011.html> for more details and contact Elisa <EBarneySmith@boisestate.edu> to volunteer to be a judge. RSVPs are not needed to attend the meeting or to watch the contests, but would help in planning.

Thursday, April 21st – Boise Section Social Hour

Time: 5:00pm – 7:00pm

Location: Front Door Pizza, 105 S. Sixth St.

URL: <http://www.thefrontdoorboise.com/tfd/>

Event description: The Boise Section will provide appetizers and pizza for the social hour. Come enjoy free food and meet fellow IEEE members before attending the WMED workshop on Friday. Bring a friend to join the festivities.

Friday, April 22nd – IEEE Workshop on Microelectronics and Electron Devices (WMED-2011)

Time: 8:00am – 6:00pm

Location: Simplot Ball Room, Student Union Building, Boise State University

URL: <http://www.ewh.ieee.org/r6/boise/wmed2011/WMED2011.html>

Event description: Ninth Annual Workshop on Microelectronics and Electron Devices (WMED-2011)

WORKSHOP HIGHLIGHTS

- Awards for overall Best Paper and Best Poster in the workshop
- Limited number of Student Travel Awards for Best Student Papers
- Confirmed Invited Speakers:
 - E. Fred Schubert, *Rensselaer Polytechnic Institute*
 - Michael Kozicki, *Arizona State University*
 - Suman Datta, *Penn State University*
 - Bryan Casper, *Intel Corporation*

WMED–2011 WORKSHOP DESCRIPTION

The Ninth Annual Workshop on Microelectronics and Electron Devices (WMED-2011) will provide a forum for reviewing and discussing all aspects of microelectronics including processing, electrical characterization, design, and new device technologies. This workshop will consist of invited talks, contributed papers, tutorials, as well as a poster session throughout the afternoon. Faculty, students, and researchers in industry are encouraged to contribute presentations on either completed research or "work-in-progress" research.

The WMED–2011 will also have a High School program in conjunction with the main conference in order to support the effort of encouraging STEM education among High School Students in the Treasure Valley. WMED has adopted High School program for the last five years successfully. This year's High School program will be a half day event which will include the keynote talk and a panel discussion constituting of engineers from all age groups who will relate their experiences and take questions from the students about careers in engineering. There will also be a motivational and informational talk for the students on how to be successful in technology careers. About 40 students from various schools across the Valley are expected to attend this year's event.

IMPORTANT WORKSHOP DATES

April 08, 2011–Deadline for Advance Registration

For questions and comments please contact Vishwanath Bhat, General Chair, WMED-2011 (vkhat@micron.com)

October, 2011 – Boise Computer Society Banquet

Time: TBD

Location: TBD

URL: <http://www.ewh.ieee.org/r6/boise/computer/>

Topic: “How to Start a Wireless Company in Boise, ID”

Guest Speaker: Pat Sewall

Mr. Sewall is CEO of CradlePoint, which is a leading provider of networking equipment that provides secure and efficient Internet connections for small to medium business utilizing the rapidly emerging high speed 3G/4G mobile broadband networks. Prior to founding CradlePoint, Mr. Sewall was the CEO and founder of RidgeRun, a software company that developed embedded Linux solutions for the cellular phone and consumer electronics markets. Prior to RidgeRun, he spent 16 years at Hewlett Packard in the R&D lab for LaserJet printers. Mr. Sewall holds a BS in Computer Science from the University of Iowa and an MS in Computing Science from the University of California - Davis.

Announcements

HKN is now part of IEEE

By Elisa Barney Smith

As of October 2010, HKN (Eta Kappa Nu) the Electrical Engineering honor society is a part of IEEE. Are you an HKN initiate and IEEE member? If so, it should indicate such on your 2011 IEEE membership card right along with your membership grade. There were a few database hiccups, so if it isn't there contact Elisa <EBarneySmith@boisestate.edu> and she can help you get the right information to IEEE headquarters so your 2012 membership card reads properly. This membership status will be similar to the IEEE Fellows status. Anyone initiated into HKN can state that they are an HKN initiate, but only those with current IEEE membership can state that they are HKN members.

Boise State University has an HKN chapter. It holds annual initiations and will be holding one in April. All HKN members are invited to attend. Details are still being arranged. Contact Jennifer Smith <jasmith@boisestate.edu> to get on their invitation list.

Section News

IEEE Boise Presents an Award at Future City Competition

By Sean Collison, IEEE GOLD Chair

On January 22 two IEEE officers, Sean Collison (GOLD Chair) and Denise Korman (Boise Computer Society Chair) volunteered to be special awards judges at the 7th Annual Idaho Future Cities Competition. The special award that they were judging, the city with the Best Communication System, was chosen by the IEEE. All of the entries were incredibly creative but the one that stood out was the city of Fluss Stadt, which was developed by students from the Riverstone International School. In addition to judging the competition, the IEEE Boise section donated \$300. This was used to provide program materials, t-shirts, awards, and refreshments on the day of the competition. It also helped fund the Idaho regional champion, Dynamis from Homedale Middle School, to travel to Washington, D.C. for the National Future City Competition.

Sean Collison presenting
award to the Riverstone
International School students



IEEE Sections Congress 2011 (SC2011)

By Chris Gunning

IEEE Sections Congress is a triennial gathering of Section leadership sponsored by the Member and Geographic Activities (MGA) Board. SC2011 will be held on August 19-22, 2011, in San Francisco, and it will be hosted by our own Region 6.

Sections Congress is the one major meeting sponsored by IEEE which brings together the grassroots leadership of IEEE so that they can share ideas, concerns, and solutions. Sections Congress involves hundreds of delegates from all ten Regions. The Boise Section is planning to send two delegates.

Congress participants learn how to use the resources of IEEE to maximize their effectiveness as IEEE volunteer leaders. Workshop, panel, and tutorial sessions are held on topics of interest to the Sections. The Congress is also a forum where the Section Chairs speak, expressing ideas about how IEEE can better serve its members, both now and going forward.

The issues generated at Sections Congress have had a major impact on the plans made by the IEEE Leadership for the future of IEEE. Many improvements in member benefits, such as IEEE Xplore downloads, originated as recommendations in past Sections Congresses. Each section has been asked to forward recommendations to their region for possible consideration at SC2011. If you have a recommendation you'd like our section to submit, please contact Chris Gunning at cgunning@ieee.org.

For more information about SC2011, please see the web page at:
http://www.ieee.org/societies_communities/geo_activities/sections_congress.

PEIS Activities

By Mark Bussert

The PEIS chapter has been relatively inactive in the first quarter of 2011, but some members did attend the annual engineering week banquet for the section. With summer approaching, we will be planning a technical or social event in May, so if anyone has any ideas, please email me. We will plan for an event in the 2nd or third week in May and hold discussions on the Google Groups site throughout April to discuss activities that members may be interested in attending.

IEEE Boise PEIS Chapter Website:

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

If you would like to get more involved in the IEEE PEIS Chapter, please email me at mbussert@ieee.org. Chapter members may also join the IEEE Boise PEIS Chapter Google Group at the link below for Chapter discussions among members.

IEEE Boise PEIS Chapter Google Group:

<http://groups.google.com/group/ieee-boise-peis-chapter>

2011 Boise Section Engineer's Week Banquet

By Chris Gunning

The Boise Section held its annual engineer's week banquet on February 22 at Boise State University. As in past years, the banquet was a great opportunity to network with engineers from throughout the Boise area.

During the banquet reception, Riverstone School's Future City "Fluss Stadt" team displayed their model city. This team was the winner of our section's special award for the best communications system. They described the steps they went through to design their city, and they answered many questions about how they prepared for the Idaho regional competition that was held in January.

Our guest speaker this year was Paul Kjellander, who heads the Idaho Office of Energy Resources. Paul spoke on Idaho's energy challenges, resource development, and energy policy in Idaho. He discussed the recent "mini-fracking" controversy in Payette County, as well as other environmental concerns associated with energy production in Idaho. His talk was filled with insight and wit, and it capped off an enjoyable evening.



Riverstone School Future City team



Paul Kjellander

Notes:

Discount IEEE Membership for Unemployed Engineers

By Randy Wolff

Have you lost your job but still recognize the value of your IEEE membership in helping you to find a new one? Networking with other IEEE members has helped several Boise section members find jobs recently. A 50% reduction in membership dues, Society dues, other subscriptions and assessments are available to a member or applicant who informs the IEEE Operations Center Office that he/she: (1) has become involuntarily unemployed and is seeking reemployment, or (2) has become voluntarily unemployed for reasons of raising children.

See the IEEE website at: http://www.ieee.org/membership_services/membership/cost/special_circumstances.html for more details on the program as well as other qualifying circumstances for reduced membership dues.

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 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.

Your 2011 Officers:

IEEE Boise Section:

Chair: Chris Gunning
cgunning@ieee.org

Vice-Chair: Shyam Surthi
ssurthi@micron.com

Secretary: Kristen Hopper
kmmcnair@ieee.org

Treasurer: Gary Ashton
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Membership: Jaydip Guha
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GOLD Chair: Sean Collison
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Chair: Mark Bussert
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Boise Computer Society Chapter:

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Student Branch at Boise State University:

Chair: Tyler Rowe
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Region 6 Northeast Area Chair:

Elisa Barney Smith
EBarneySmith@boisestate.edu



You make a difference when you join the IEEE.

<http://ieeoboise.org/>