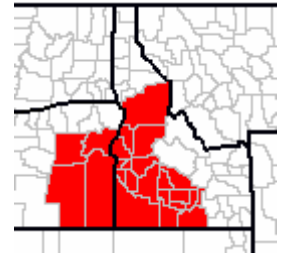




IEEE Boise Section Newsletter December 2005



Upcoming Events:

December – Computer Society Technical Seminar

Topic: Open Source Intellectual Property
Speaker: Deuce DuBoise, Serviceability Architect for the HP Embedded Systems Lab in Boise Idaho.
Date/Time: Wednesday, December 7, 6:00pm
Location: HP Main Auditorium
Information: s.jeide@ieee.org

February – Boise Section Engineering Week Banquet

Topic: The Energy Policy Act of 2005 (EPACT 2005) – How will you be affected?
Date/Time: February 19-25 / TBD
Location: TBD
Information: DSikes@idahopower.com

March – Boise FIRST Robotics Competition

Date/Time: TBD
Location: TBD
Information: Alicia Baker at 368-5933

Event Details:

Open Source Intellectual Property

This seminar will feature a talk entitled "Innovation, Open Source, and the Development of Proprietary Products" given by Deuce DuBois from Hewlett Packard. This presentation looks at using open sources software, hardware, etc. in product development, and briefly covers additional topics such as license issues and protecting intellectual property rights. Also presented are various sources of open source code, tools, etc.

Deuce DuBois graduated from the University of Idaho with degrees in Mathematics & Computer Science with post graduate studies in digital design, software engineering, and management of technology. Deuce joined HP in 1988 and has worked in various engineering roles within the LaserJet product lines. He currently holds the position of Serviceability Architect for the embedded systems lab in Boise. Additional responsibilities include the management of open source code and tools for HP product development.

Deuce, outside of HP, contributed his engineering expertise to oceanographic service companies to produce real-time sonar and digital imagery analysis tools. His contributions lead him to become a member of 1998 Titanic Research Expedition. Prior to HP, Deuce worked at Borland International on the original Turbo C compiler and other projects.

The Energy Policy Act of 2005 (EPACT 2005) – How will you be affected?

With passage of the Energy Policy Act of 2005, there are a number of forward looking issues for the energy and electrical industries. Either a speaker or panel (*TBD*) will present key issues that may impact our region.

Boise FIRST Robotics Competition

FIRST (For Inspiration and Recognition of Science and Technology) is a multinational non-profit organization, that aspires to transform culture, making science, math, engineering, and technology as cool for kids as sports are today. *FIRST* was founded in 1989 by Dean Kamen, inventor of the Segway Human Transporter. *FIRST* operates the *FIRST* Robotics Competition (<http://www.usfirst.org/robotics>) in which teams of high school students, sponsored and assisted by local companies and volunteers, design, assemble, and test a robot capable of performing a specified task in competition with other teams.

The *FIRST* Robotics Competition is an exciting, multinational competition that teams professionals and young people to solve an engineering design problem in an intense and competitive way. The program is a life-changing, career-molding experience—and a lot of fun. In 2005 the competition reached close to 25,000 high-school-aged young people on close to 1,000 teams in 30 competitions. Our teams came from Brazil, Canada, Ecuador, Israel, Mexico, the U.K., and almost every U.S. state. The competitions are high-tech spectator sporting events, the result of lots of focused brainstorming, real-world teamwork, dedicated mentoring, project timelines, and deadlines.

In March 2006, Boise High Schools will participate for the first time. A recent request for mentors was sent to the IEEE Boise Section. The request received a very warm response from several members from three Treasure Valley companies. Thanks to all of you whom will be participating. Engineer-student relationships like this really excite today's youth in considering a future engineering career. If you would like additional information on the Boise *FIRST* program, you may contact Alicia Baker at 368-5933.

Chapter & Branch News:**Boise State University Student Branch Group & GOLD Group**

The GOLD Affinity group and the BSU Student Branch enjoyed bowling together at the BSU Student Union building bowling alley. The event took place Saturday, November 12. Everyone had a good time, and the two groups plan to repeat this event next year. The GOLD group is planning several other activities for the beginning of next year. One activity will be a talk on the real estate market in Boise and information on buying a new home. A second planned talk will center around project management. In April, GOLD members can volunteer for the third year in a row with the MARS Rover Competition. Watch for advertisements on these events, and feel free to contact Randy Wolff at rrwolff@micron.com for more information.

'Engineers in the Political Process' PACE Program a Huge Success

An interested group of engineers, local businesspeople, and Boise State students came together to hear IEEE-USA's Grassroots Lobbyist Russell Harrison on October 27th at BSU's Simplot Micron Instructional Technology building. Mr. Harrison spoke convincingly about the power of the individual engineer to sway the political process, and to make their own issues a priority on a local or national level. He spoke particularly of issues related to Off Shoring, R&D, and the successes that IEEE can play to support advocating technology and Intellectual Property policies to strengthen US companies and their engineers. This program will be available via streaming video on the IEEE website in the next couple of weeks.

Call for Volunteers

New volunteer opportunities are available with the Boise Section for 2006. If you have ideas for technical presentations, social activities, or our newsletters or web site, please let us know. You may contact Brooklin Gore at 368-2549 or bgore@micron.com for more information.

Upgrade to Senior Member

The “Upgrade to Senior Member” event this past September was a great success. Thank you to all of the existing Senior Members who came out to support the upgrading members. If you missed this event but are still interested in upgrading your membership contact Liz Weese at lweese@ieee.org or go to <http://www.ieee.org/organizations/rab/md/smelev.htm>

Renew Your Membership for 2006

Members of the IEEE lead the world to new technical developments, formulate internationally recognized standards, and shape the global community. Don’t delay renewing your membership in this community of nearly 360,000 innovators and students in 150 countries around the world!

Visit IEEE’s new membership portal for all the details. Go to www.ieee.org and click on the membership tab on the left.

IEEE Xplore Usage Statistics Web Site Accessible Using Web Account ID and Password

The IEEE Xplore® usage statistics web site has now been linked with LDAP access. This means that users can now enter the site using their existing "web account" user ID and password.

The 2005 usage statistics for IEEE Xplore® are available accessible via the existing URL:

Visit: <http://statistics.ieeeXplore®.ieee.org/report/external/index.html>

Enter your “web account” user name and password.

Note: These statistics are confidential and to be used for IEEE business only.

Local Opening: Product Development Engineer for Quality Thermistor, Inc.

Job Description: Calibration (*full calibration responsibilities, factory equipment calibration & record keeping, calibration interval & suitability determination*)
 Electrical Test (*oversee electrical/environment test routines on discrete components, collate data & prepart conformance reports, identify test failures, read & interpret performance & test specifications, maintain existing test regimens, assist operators in test setup & criterial work with QA in identifying & resolving product problems/issues, prepare corrective action reports for product non-conformances*)
 R&D/Product Development (*recommend, evaluate, develop new products & processes, PCB and circuit design, prototyping, fabrication engineering support of facilities maintenance technician*)

Skills & Experience: Electronics Repair, Troubleshooting and Design (*diagnose & repair electrical and electro-mechanical systems, ability to read mechanical/pneumatic/electrical schematics, knowledge of electronics theory & fundamentals*)
 Mechanical Fabrication and Design (*hand tool assembly of various enclosures, panels, etc.*)
 Computer Skills (*CAD for drawing preparation, DAQ programming – GPIB preferred, Printer/peripheral configuration, desktop applications for technical documentation*)
 Excellent Communications Skills
 Excellent Prioritization and Workload Management
 Spanish Speaking Preferred

Education: B.S, Engineering or Science
 Salary/Status: Confidential / Salary Exempt
 Hours: As Required
 Reports To: Engineering Manager
 Contact: Jay Kochaver at (208) 377-3373

Current Officers:

IEEE Boise Section:

Chair: Brooklin Gore - bgore@micron.com

Vice-Chair: Dorian Kiri - dkiri@micron.com

Secretary: Shawn Hilde - shilde@thermistor.com

Treasurer: Erwin Schwiebert - eschwiebert@ieee.org

Membership Chair: Liz Weese - lweese@ieee.org

Speakers Chair: Luan Tran - lctran@micron.com

GOLD Chair: Randy Wolff - rrwolff@micron.com

PACE: Ron Oberleitner - admin@talkautism.org

Web Page: Drew Dunn - drewd@ieee.org

Newsletter: Russell Puckett - repuckett@micron.com

Boise EDS Chapter:

Chair: Roy Meade - rmeade@micron.com

Boise PE&IA Chapter:

Interim Chair: David Sikes - sikes@idahopower.com

Boise Computer Society Chapter:

Chair: Scott Jeide - s.jeide@ieee.org

Student Branch at Boise State University:

Chair: Chris Hale - ieee@boisestate.edu

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

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