

July 31, 2012

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This newsletter is about six weeks later than I'd like it to be. On the bright side I have met critical project deadlines, experienced some stellar mountain biking, and my lawn is looking fabulous.

Such is the daily routine for engineering professionals, isn't it? Finding balance.

This letter is intended to share professional development, networking and outreach opportunities as well as offer reports of the happenings among the EIEC and its members.

The next newsletter will come out in early fall. If you have items you'd like to share, please contact me at billiejohanson@cableone.net

Please click-on the [2012 Event Calendar](#) for upcoming events within the EIEC Society Memberships. If your society organization has upcoming events not list here, please send an email to: calendar@EIECouncil.org and they will be posted to the calendar.

The Next EIEC meeting will be held on September 19, 2012, 7:00 PM, at Tommy Vaughn's Restaurant, Blackfoot, ID

***** We are seeking increased attendance from the Society Membership's for these meetings, so please encourage your Society's support!**

Wishing you a splendid rest of your summer!

Cheers,

Billie Johnson



Idaho Society of Professional Engineers Annual Meeting June20-22, 2012

The 2012 annual meeting was held in Boise earlier this summer with a theme of "Helping You Stay Current, Connected and Licensed." The meeting was well-attended, and the topics interesting and vast.

One subject of significance was a panel discussion of the proposed BS+30 licensing change. The Idaho Board of Professional Engineers and Professional Land Surveyors is considering a change in the Idaho licensure law to require that a P.E. candidate have the equivalent of a Master's degree in Engineering to qualify to sit for the P.E. Exam.

This is a complex topic with some organizations supporting the proposal and others opposing it. The proposal was presented by two national NSPE representatives, and the "Concerned Position" was presented by the Southeast Idaho Chapter of ISPE. You can read the elements of the "Concerned Position in the following [white paper](#) .

Also related to licensure, was a review of requirements for continuing education which is now a condition for renewal of existing Idaho P.E. Licenses. The following [web link](#) provides useful information in understanding requirements and documentation.

www.eiecouncil.org



Congratulations! (Times Two)



Dr. Gene Stuffle, Idaho State University 2012 Outstanding Public Service Award

Dr. Stuffle was awarded ISU's Outstanding Public Service Award last spring. He is a professor in the College of Science and Engineering and has worked at Idaho State University for 22 years. He has served as interim chair of electrical engineering, associate dean for undergraduate studies and interim chair of computer science during his time at the University.

Dr. Stuffle has authored more than 50 publications in the areas of computer-aided education and circuits and systems. He holds Professional Engineering Licensure in Idaho, Indiana and Michigan. He is currently serving as executive director of the Eastern Idaho Engineering Council, and has served as the ISU Student Branch organizer since its beginning in 1996.

Dr. Stuffle's community volunteer work includes extensive support of the MATHCOUNTS program and of National Engineer's Week. He has authored several in-house texts, software manuals, and solution manuals for popular textbooks and is a Life Senior Member of IEEE.

Way to go, Dr. Stuffle!

Steve Walker, Idaho State University 2012 Outstanding Engineer

Idaho State University's Outstanding Engineer for the 2011-2012 school year is Steve Walker, President of Walker Engineering PC.

Steve has 29 years of engineering experience over a wide range of companies, industries, and assignments. He strongly believes in engineering licensure and holds P.E. Registration Licenses in Arizona, Idaho, South Dakota, Utah, and Washington. He currently provides engineering, design, construction and project management service to clients the world over.

Steve has been a friend and strong supporter of Idaho State University for many years. He served as chair and as member of the Engineering Advisory Council for the College of Engineering; has served on faculty search committees; and has been active in sponsoring senior design projects.

Walker Engineering has employed a Senior Design Student Intern annually providing real world, multi-disciplined experience with exposure working with engineers, technicians and clients.

Steve has two daughters and is an avid outdoorsman. He has climbed all of the highest peaks in Idaho and surrounding areas and ventured into Thailand and South America to climb. He also enjoys skiing and bow hunting and volunteering with numerous engineering societies in his spare time.

Well done, Steve!



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Eastern Idaho Engineering Council

Spring MATHCOUNTS Events

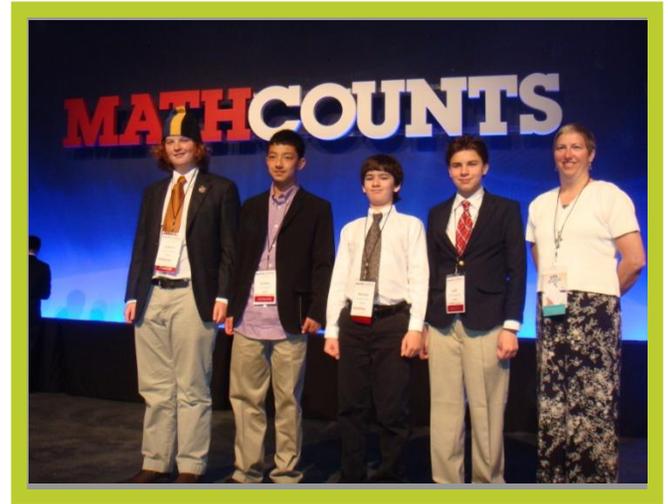
Last March nearly 100 area middle school students took part in the State MATHCOUNTS competition. Southeast Idaho sent a busload of mathletes and coaches to the Boise for the Saturday contest.

Many, many thanks to the EIEC for ensuring our posh, easy and reliable transportation via a chartered travel bus. We spent the afternoon at the Boise Mall engaged in a Scavenger Hunt followed by a movie donated by Overland Park Cinemas. The evening wound down with swimming and board games at the hotel. (Never was there a more beautiful hush than that 10pm curfew—let me tell ya.)



Eastern Idaho was well represented with five mathletes from Pocatello and Idaho Falls placing in the top ten. The Pocatello Community Charter School also took second place overall.

The top four individuals were chosen to make up Idaho's delegation, and the coach of the first place team transitioned to lead the newly formed Idaho team. This was Coach Cyndi Gallas' third year leading Idaho's kids to nationals in Orlando, Florida.



Idaho Mathletes: Gabriel Brookman, Danny Takeuchi, Michael Lansford, Luke Vellotti, and Coach Cyndi Gallas at the Raytheon MATHCOUNTS Competition in Orlando, FL.

One of the parents who joined the students noted, "The competition was tough and there were some teams who obviously spent a lot of time preparing. Raytheon and the rest of the sponsors put some serious effort into the weekend, and the kids were treated like royalty. We had fun times at Disney World and will remember the experience forever."

.MATHCOUNTS is a national club and competition program that promotes middle school mathematics achievement through grassroots involvement. With the generous support of sponsors and volunteers, MATHCOUNTS provides today's students a foundation for success in science, technology, engineering and mathematics careers.

For more information on the national program, check out www.mathcounts.org

MATHCOUNTS®

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Eastern Idaho Engineering Council

Upcoming Meetings and Events

August:

- 13—PE and PS Examinations, Boise
- 14—FE (aka EIT) and FS (aka LSIT) Examinations, Boise, Pocatello, Moscow
- 16—International Symposium on Resilient Control Systems, Salt Lake City

Sept:

- 5—Sigma Xi Science Cafe, Topic: Science of Wild Fires, Pocatello Portneuf Valley Brewing 5:00pm
- 19—IEEE ExCom, Blackfoot Tommy Vaughn's, 5:30PM
- EIEC Board of Directors, Blackfoot Tommy Vaughn's, 7:00PM
- 20—IEEE "Brew with the Crew", Buffalo Wild Wings, Idaho Falls, "What's Happening with Electric Cars," Jonathon Smith.

October

- 18—IEEE "Brew with the Crew", Buffalo Wild Wings, Idaho Falls, "Robotics or Other IEEE topic"



The Instrumentation, Control and Intelligent Systems (ICIS) distinctive signature, in collaboration with the Institute of Electrical & Electronics Engineers (IEEE) and the International Society of Automation (ISA), would like to invite anyone interested to "Brew with the Crew." These are an after-work event that will take place every third Thursday of the month at Buffalo Wild Wings in Idaho Falls (1430 Milligan Road – Snake River Landing).

The purpose of the meetings is to allow opportunity for instrumentation, control and intelligent systems researchers and practitioners to interact with others in their community, both inside and outside of INL. In this informal forum, people are not required to provide a documented presentation, but instead to share the nature of their research and interests and to possibly include some interesting stories along the way.

Meeting topics are scheduled as shown below. The brewing will begin at 4:30 p.m. with the topical discussion starting at 5 p.m. and adjourning around 6:00 p.m. Finger food will be provided to keep the stomachs from growling.

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Eastern Idaho Engineering Council

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Female scientists, engineers open students' eyes to career options

By Kortny Rolston, INL Communications & Governmental Affairs

Eight hours was enough to change Amber Romriell's mind about her future.

When the eighth-grader arrived at the March 2 "My Amazing Future" event, she wanted to be a dental hygienist. By the end of the daylong, hands-on science workshop hosted by Idaho National Laboratory, Romriell was enthralled with engineering.

She had visited a robotics lab, learned how 3-D technology is changing research and even used nuclear forensics to find clues at a mock crime scene.

"All of this engineering stuff is really cool," the Eagle Rock Junior High School student said. "It's really changing my mind about what I want to do. I like doing things with my hands and I've learned a lot about what kind of careers are out there."

Romriell was one of 76 female students from Idaho Falls and Twin Falls who attended the annual event, which is organized by [Idaho Women in Nuclear \(IWIN\)](#), [Portage, Inc.](#), the [American Society of Mechanical Engineers](#) and several other groups support the event.

Experiences like Romriell's are why IWIN members say they launched "My Amazing Future" six years ago. The members, many of whom work at INL, wanted female students with an aptitude for science and/or math to be exposed to the wide array of career options available and to encourage them to continue studying math and science.

"At the junior high age, studies show only 4.5 percent of girls consider careers in science, technology, engineering and math ([STEM](#))," said Reva Nickelson, an INL manager and an event organizer. "There are a number of women who are engineers and scientists and we want these girls to understand that they can do it. They can pursue careers in STEM areas."



Students are introduced to the Computer Assisted Virtual Environment (CAVE), a 3-D research tool that INL and CAES researchers use to view data and build models.

My Amazing Future gives female students from Idaho Falls School District 91, Bonneville Joint School District 93, and Twin Falls the opportunity to participate in a full day of hands-on science workshops, discussions and demonstrations and learn about careers that are available. More than 400 students have participated in My Amazing Future since Idaho Women In Nuclear (IWIN) launched the program six years ago.

-Ann Marie Phillips, INL

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Eastern Idaho Engineering Council

This council was established in September 2001 to perform educational and charitable activities in the areas of engineering, science and technology; to provide a coordination role for inter-society events; to provide a resource upon which the member societies can draw for help in planning and executing various functions and events; to provide a forum for dialog and debate among the actively participating eastern Idaho sections of professional engineering societies; and to provide a single point of contact for outside entities that would like to obtain assistance or support from the engineering community.

Our many activities include coordinating the planning and completion of Engineers Week Banquets, MATHCOUNTS competition, maintaining an active calendar of all section activities and providing an Engineering Christmas Party. Our council has successfully increased the number of students participating in MATHCOUNTS, provided engineering exhibits at the Science and Engineering Expo, and sponsored annual picnics for members of all associated engineering societies.

EIEC, through utilization of active leaders from the various member societies, provides numerous opportunities to engineers throughout eastern Idaho for excellent leadership training and ways to support their communities.

EIEC is a non-profit organization incorporated under the laws of the State of Idaho.

EIEC is an Affiliate Member of the NASA Idaho Space Grant Consortium.

Eastern Idaho Engineering Council

www.eiecouncil.org

Professional Sustaining Members:



Academic Sustaining Members:



EIEC is an Affiliate Member of:



Member Societies:



Idaho Section of the American Chemical Society



Idaho Society of Professional Engineers



Idaho Section of the American Institute of Chemical Engineers



Eastern Idaho Section of the Institute of Electrical and Electronics Engineers



Idaho Section of the American Nuclear Society



Snake River Chapter of the International Council on Systems Engineering



Southern Idaho Section of the American Society of Civil Engineers



International Society of Automation



Idaho Section of the American Society of Mechanical Engineers



Idaho Women in Nuclear



Idaho-Montana Section of the American Welding Society



Chapter 152 of Sigma Xi



Idaho Academy of Science



Idaho Beta Chapter of Tau Beta Pi