

EIEC Newsletter

November 6, 2012

Eastern Idaho Engineering Council



Sigma Xi "Science Café"

On Wednesday November 7, Sigma Xi, the Scientific Research Society, is hosting its monthly "Science Café." The November topic is "Understanding the Science behind Meditation and Mindfulness."

Science Cafe is a public forum for the dissemination and discussion of science-related information. The purpose is to promote science education and provide an opportunity for researchers and community members to discuss science-related issues.

When: Wednesday November 7th, 5-6:30 pm.
Where: Portneuf Valley Brewing, 615 South 1st Ave, Pocatello (upstairs)

Everyone is invited to participate in the panel discussion.

This Cafe is sponsored by the ISU Department of Psychology and the ISU Division of Health Sciences. Light refreshments will be served.



2012 All Engineers Holiday Social

Brief Program: The Future of the EIEC

Date: Thursday, December 06, 2012

Time: 6:30 p.m.

Place: Shilo Inn Convention Center, 780 Lindsay Blvd., Idaho Falls

Menu: Hors D'oeuvres

Cost: FREE!!



RSVP: By 5:00 PM, Tuesday, December 04, 2010, Dave Koelsch: 524-4293, dckoelsch@hotmail.com

Join colleagues from local engineering societies for a holiday social event to mingle with peers, network with other professionals, and hear a brief, entertaining talk on the mission and future of the EIEC.

Enjoy a creative Hors D'oeuvres table comprised of turkey, ham, smoked sausage, pastrami, sliced cheeses, rolls, condiments, chicken and beef skewers, petite meatballs, chilled shrimp, and Buffalo wings while serenaded by Christmas music.

This event is being sponsored by local chapters of ANS, ASCE, ASME, AICHe, IEEE, INCOSE, IAS, IWIN, AWS, ISA, ISPE, ACS, and TBP. Corporate sponsors include Basic American Foods, Idaho National Laboratory, Premier Technology, Inc., and Walker Engineering, P.C.



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SEMI High Tech U

Last week, the Fab 7 conference room at ON Semiconductor was abuzz with youth and vitality as 31 high school students participated in a program called High Tech U sponsored by the SEMI Foundation.

The SEMI Foundation's mission is to support education and career awareness in the fields of high technology. High Tech U provides students with an intensive, three-day, industry-led introduction to the high tech industry, potential career paths, and educational requirements.

Students participated in several hands-on activities focusing on statistics, binary logic, nanotechnology, solar and alternative energy, mathematics, and problem solving. Students traveled to the Center for Advanced Energy Studies (CAES) in Idaho Falls where they were introduced to the Computer Assisted Virtual Environment (CAVE), a 3-D research and modeling tool that kept them talking the entire bus ride home.

Students also participated in mock interviews on the Idaho State University campus and learned the latest tips for building a resume. The program culminated with a graduation ceremony and left the students with industry connections and a foundation of real-world applications.

You can view a video Semi High Tech U promotional video and read more about the SEMI foundation at

<http://www.semi.org/en/About/SEMIFoundation/index.htm>



Above: Students from Pocatello, Highland and Century High Schools participate in the 3-day event hosted by ON Semiconductor, INL and Idaho State University.

Below: Students participate in an electronics lab while the "Cow-culator" and Chubbuck's Mayor England and Pocatello's Mayor Blad look on.



Upcoming Meetings and Events

November:

7—[Sigma Xi Science, Portneuf Valley Brewing, Pocatello, 5—6:30pm](#)

9—[ISU EE Seminar, LIBR B-07 Pocatello and CHE 311 Idaho Falls, Noon](#)

14— IEEE ExCom, Blackfoot Tommy Vaughn's, 5:30pm

EIEC Board of Directors, Blackfoot Tommy Vaughn's, 7:00pm

15—Brew with the Crew, buffalo Wild Wings, Idaho Falls, 4:30pm "Targeted Energy Management"

December:

6—All Engineers Holiday Social, Shilo Inn Convention Center, 780 Lindsay Blvd, Idaho Falls, 6:30pm



From www.setgame.com/set/index.html :

Because the SET® Puzzle involves learning a rule of logic, players must invoke their "left brain" thinking skills. Left brain thinking skills, such as logical thinking, are the ones predominantly taught in modern western society. However, to find the 'SETs' players must examine the spatial array of cards and locate, in the overall pattern, the cards that satisfy the rule. To do this "right brain" thinking skills must be used.

Right brain thinking skills are usually associated with spatial, intuitive thinking. These skills are usually underdeveloped. To effectively employ creative thinking requires use of both left and right sides of your brain. Both right brain thinking skills, and whole brain thinking receive little attention in school. They remain underdeveloped as we go through life because only a few occupations such as a football quarterback, pilot, or artist require them. However, everyone will gain by developing them. Every time you find a 'SET' you are using your whole brain and increasing your potential to be creative.

MATHCOUNTS®

Middle school students across southeast Idaho are gearing up to kick some math! Schools have begun their 2012-2013 MATHCOUNTS® seasons. MATHCOUNTS is a nationwide enrichment, club and competition program that promotes middle school mathematics.

Currently in its 30th year, MATHCOUNTS is one of the country's largest and most successful education partnerships involving volunteers, educators, industry sponsors and students.

Local organizers are seeking both individual and corporate donations which are tax-deductible, and volunteers are needed to help with the regional competition in February on the ISU campus. Contact Richard Feuerborn at Feuerborn Associates Engineering, 208-904-3170 for more information.

Additional information is also available at www.mathcounts.org.



Students at the Pocatello Community Charter School warm up before practice with the card game SET®.

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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