

## THE BRINE

[ISPE-SALTCREEK.ORG](http://ISPE-SALTCREEK.ORG)

SALT CREEK CHAPTER  
NOVEMBER 2016  
VOLUME 43 ISSUE 3

### SAVE THE DATES

- ✓ November 4, 2016 ~ 1st  
Friday Webinar - Topic TBA
- ✓ November 15, 2016 ~ Salt  
Creek Chapter Meeting
- ✓ December 10, 2016 ~ ISPE  
Salt Creek Christmas Party

#### SALT CREEK CHAPTER MEETING

Tuesday, November 15 at 6:30 pm  
NOTE increased cost: \$35/person

Topic: Engineer Ethics  
Speaker: Brian Zeeck of Hinshaw &  
Culbertson LLP  
Restaurant: Francesca's Bellezza  
Location: [75 South La Grange Rd.](#)  
[La Grange, IL 60525](#)  
telephone [708.579.3500](#)

Note: Dietary requirements need to  
be provided one week in advance!

Speaker: Brian Zeeck, a Chicago-  
based Partner at Hinshaw &  
Culbertson LLP and a member of  
the firm's Government Practice  
Group

RSVP: [DGreccoD@aim.com](mailto:DGreccoD@aim.com)  
630.745.0524

#### SALT CREEK CHRISTMAS PARTY

*Who:* KING & KASH

Elvis Presley and Johnny Cash  
together again, one night only!

*What:* Dinner and holiday show

*When:* Saturday, December 10  
3pm to 6pm

*Where:*

Porterhouse Steaks & Seafood  
15W776 N Frontage Road  
Burr Ridge, IL 60527  
(NE corner Joliet & Frontage)

RSVP: [DGreccoD@aim.com](mailto:DGreccoD@aim.com)  
630.745.0524  
\$50/person

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Secretary: VACANT

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Brandon Gorte, [BGorte@comcast.net](mailto:BGorte@comcast.net)

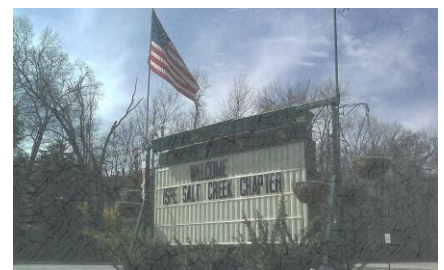
MATHCOUNTS Chairs:  
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Dan Grecco, [DGreccoD@netscape.net](mailto:DGreccoD@netscape.net)

Engineers Week Chair: Dirk Krueger  
[dirkrueger@comcast.net](mailto:dirkrueger@comcast.net)

Scholarship Chair: Rich Pocius  
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### IN THIS ISSUE...

- 2 PRESIDENT'S MEMO
- 2 MEETING MINUTES
- 3 ABOUT THE SPEAKERS



## PRESIDENT'S MEMO

At the upcoming November chapter meeting, the topic will be Engineering Ethics. I know that it sounds dry but ethics is extremely important and comes into our professional lives each day. A PDH in ethics is not yet a mandatory requirement to be included for our PE registration. Other States do have the requirement, and I can see that Illinois will probably not be far behind. I encourage all the Salt Creek chapter members to make time to attend this chapter meeting. Technical competence is a requirement of engineering but professional ethics must also be included to insure public safety with our projects. Thanks, John Eisele, P.E.

## MEETING MINUTES

ISPE Salt Creek Chapter Meeting, October 26, 2016. Meeting was held at Bohemian Crystal in Westmont. Meeting was called to order at 7:30 pm. Sixteen (16) PE members attended plus our guest speaker Eric Kara.

John Eisele asked for a motion approving the September minutes that were published in the October Brine. Cindy Gustafson made the motion, Dirk Krueger seconded and the motion passed unanimously.

Cindy Gustafson presented a Treasurers report stating that the checking account was approximately \$7,000 and the CDs total approximately \$15,000. At the present time, the Chapter cannot sustain the yearly scholarships in the amount of \$2,000 per year without a revenue source to provide for this annual amount. Additional membership for the Chapter would help with the scholarships in addition to a separate fund raising event.

John Eisele read the highlights of Dawn Brook's report for attending the October 15<sup>th</sup> ISPE Board Meeting. The main points for the Task Force Committee Priorities are:

1. Sustaining Partner Task Force
2. Content Development Task Force – This has the biggest need for participation
3. Outreach to neighboring SPE societies

The Government Affairs priority is the passage of the Safe Roads Lockbox amendment that is on the ballot for Nov. 8<sup>th</sup>. ISPE recommends voting "yes".

Bud Hurley reported that there is an ISPE-STEM event at Joliet Junior College on November 14<sup>th</sup>. He encouraged participation in the event and motioned for the Chapter to donate \$50 to the event to help with the refreshments. Dirk Krueger seconded and the motion passed unanimously.

### Old Business:

John Eisele requested that any award nominations be submitted to any member of the EC by the end of November.

### New Business:

Dan Grecco reported that the Chapter meeting for November would be on Nov. 17<sup>th</sup> (It has been changed to Nov. 15<sup>th</sup>) with the speaker discussing Engineering Ethics.

A vote was taken for the date of the December meeting and the majority voted for December 10, 2016.

Dan Grecco introduced our evening speaker Eric Kara presenting the "Latest Advances in Laser Measuring Tools". The major points are as follows:

1. The point cloud allows for a collection of laser generated data points that relate to the x ,y and z coordinates
2. A laser scanner can scan about 1 million points per second with limits of line of sight for a distance of about 300 feet. Adjacent scanned areas can be merged together.
3. A Total Station with a laser can record about 1,000 points per second for a distance of about 200 feet.
4. A laser with a back-pac or a hand held laser is useful in commercial plants and for manhole surveys.
5. One of the biggest problems for users is to remove the data that is not needed for the project. It has worked out that for about every 1 hour of work in the field, there are about 2 hours of work in the office to get the desired results for a project.
6. In the field, magnetic fields do influence to accuracy of the scanners.
7. Photographs can be an overlay to the data that is scanned and contour maps can be created with the scans.
8. There is software for many different applications for the specific project use of the laser scans.
9. The scanned files can easily be converted to Auto Cad.

Meeting adjourned at 8:45. ~ *John Eisele, P.E.*

## ABOUT THE SPEAKERS

This presentation will cover the rules of ethics and their practical application to both Professional Engineers and Structural Engineers, the differences in the rules for both, and the key provisions and pitfalls of the ethical regulatory framework that governs Engineers in their everyday practice. This presentation will also identify best practices for complying with these governing standards.

Brian Zeeck, a Chicago-based Partner at Hinshaw & Culbertson LLP and a member of the firm's Government Practice Group, has represented individuals from various professions, including architects, engineers, land surveyors, developers, contractors and appraisers, in all aspects of litigation, including state and federal investigations, civil lawsuits, criminal prosecutions, and before various regulatory bodies, including the IDFPR. Mr. Zeeck earned his B.A. from the University of Illinois at Springfield, and his J.D. from Loyola University of Chicago.

Thank you,  
Dan

*Dan Grecco, P.E.  
Licensed Civil Engineer*

*(630) 745-0524*

## BIG THANKS TO THIS SEASON'S PAST SPEAKERS...

Steve Schultz, Ph.D., President of Writing at Work, Inc.

Eric Kara of Kara Company in Countryside, Illinois



## ENGINEERS CREED

*As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare.*

*I pledge to:*

*Give the utmost of performance.*

*Participate in none but honest enterprise.*

*Live and work according to the laws of man and the highest standards of professional conduct.*

*Place service before profit, the honor and standing of the profession before personal advantage and the public welfare above all other considerations.*

*In humility and with need of Divine Guidance, I make this pledge.*

## E-WEEK 2017

## 2017 NATIONAL ENGINEERS WEEK

The theme for the 2017 Engineers Week is “Engineers Dream Big.” The sponsoring co-chairs for 2017 are The American Society of Civil Engineers (ASCE) and the DiscoverE Leadership Council.

This will be the 66<sup>th</sup> year of National Engineers Week, the first of which was started by the National Society of Professional Engineers in 1951. Engineers Week has always been scheduled in the week of George Washington’s birthday, since he was considered one of the early engineers. The National Engineers Week Foundation, renamed DiscoverE, has been the sponsoring organization for many years.

The national engineering website - <http://www.discovere.org> - has a lot of interesting information related to National Engineers Week, and getting youngsters, especially girls, interested in technical pursuits.

Engineers Week is February 19 through 25, 2017. The annual Engineers Week EXPO at the Rice Campus of IIT in Wheaton will be Saturday, February 25, from 10:30 AM to 3:30 PM. This will be the 33rd year that the Rice Campus has hosted the EXPO. Mark your calendars and plan to bring your children and grandchildren.

As in the past, the Salt Creek Chapter plans to participate at the EXPO at IIT. We can use all the help we can get, especially new volunteers with new ideas for grabbing the attention and interest of the youngsters we want to see enter STEM studies and careers. Let me know if you have some ideas for Engineers Week and want to participate with the chapter.

DIRK KRUEGER, P.E., 2017 SCC EWEEK CHAIRMAN, [DIRKKRUEGER@COMCAST.NET](mailto:DIRKKRUEGER@COMCAST.NET)

## SALT CREEK CHAPTER PAST PRESIDENTS

1959-60	Dale V. Hammond	1960-61	Wayne M. Reed	1961-62	Clifford Kreelman
1962-63	Merl Mouser	1963-64	Richard V. Doherty	1964-65	Fred H. Sanneman
1965-66	Paul E. Flood	1966-67	Howard M. Rayner	1967-68	Richard O. Mitter
1968-69	John D. Eyestone	1969-70	Orville L. Meyer	1970-71	William Lazzari
1971-72	William Macarus	1972-73	William Cumming	1973-74	Alden T. Wulff
1974-75	Roy W. Morling	1975-76	Edward Stec	1976-77	David A. Dunn
1977-78	Larry VandeWalle	1978-79	James Valancius	1979-80	Edward Slindee
1980-81	Jack Stansbeary	1981-82	Thomas R. Kaar	1982-83	Dan Nelson
1983-84	Robert W. Cutter	1984-85	Randall W. Bus	1985-86	Joseph H. Rush
1986-87	Claude H. Hurley	1987-88	Carl F. Roth	1988-89	Gilbert Goodman
1989-90	Linda Huff	1990-91	Thomas Palansky	1991-93	Thomas Miller
1993-94	Arthur K. Banks II	1994-95	Richard Kipp	1995-97	William Lindley
1997-98	Craig Knoche	1998-00	Ronald Kuhlmann	2000-01	Douglas Criner
2001-02	Phillip Wolf	2002-03	Richard Pocius	2003-04	Anthony Banasiak
2004-05	Norman Gutauckas	2005-06	Claude H. Hurley	2006-07	Dale Durfey, Jr.
2007-08	Glenn Clayton	2008-10	Dan Grecco	2010-11	Gary Emore
2011-12	Frank Lech	2012-13	Richard Symns	2013-14	Leo Moritz
2014-15	Brandon Gorte	2015-16	Dawn Brook		

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