



## THE BRINE

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

### TOPICS AND TOURS

If you have suggestions for chapter meeting topics or tours during the 2019-2020 regular season, please email Dan Grecco at this address:

[DGreccoD@netscape.net](mailto:DGreccoD@netscape.net)

The next three 2019 chapter meetings are tentatively scheduled as per the center column on this page.

Click on the speakers' names to view and connect with their respective LinkedIn profiles.

Click on the restaurant name for the address and directions.

### MARCH – APRIL - MAY MEETINGS

April 4, 2019 (*March meeting*)

History of Huff & Huff

[Jim Huff](#), P.E.

[Bohemian Crystal \(Westmont\)](#)

April 24, 2019 (*April meeting*)

Com-Ed Smart Grid Update

[David Alvarez](#)

[Sawa's Old Warsaw \(Broadview\)](#)

May 15, 2019 (*May meeting*)

Chapter Installation

ISPE Pres. [Kristin Timmons](#)

[White Fence Farm \(Romeoville\)](#)

### TIME AND COST:

6:30pm to 8:30pm, \$35

### RSVP:

[DGreccoD@netscape.net](mailto:DGreccoD@netscape.net)

SALT CREEK CHAPTER

WINTER 2019

VOLUME 44 ISSUE 9

### SAVE THE DATES

APRIL 4, 2019

[BOHEMIAN CRYSTAL](#)

APRIL 24, 2019

[SAWA'S OLD WARSAW](#)

MAY 15, 2019

[WHITE FENCE FARM](#)

President: Gilbert Goodman  
[GGoodman717@yahoo.com](mailto:GGoodman717@yahoo.com)

President-elect: **VACANT**

VP Professional: **VACANT**

VP Public Relations: Damir Stasic  
[PESparky@aol.com](mailto:PESparky@aol.com)

VP Operations: Dan Grecco  
[DGreccoD@aim.com](mailto:DGreccoD@aim.com)

Treasurer: Cindy Gustafson  
[c.gustafson@sbcglobal.net](mailto:c.gustafson@sbcglobal.net)

Secretary: John Eisele

ISPE Chapter Representatives:  
Dawn Brook, [DawnCBrook@gmail.com](mailto:DawnCBrook@gmail.com)  
John Eisele, [John.Eisele@qza.com](mailto:John.Eisele@qza.com)

MATHCOUNTS Chairs:  
Dawn Brook, [DawnCBrook@gmail.com](mailto:DawnCBrook@gmail.com)  
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  
[RichJPo@aol.com](mailto:RichJPo@aol.com)

### IN THIS ISSUE...

- 2 ADVERTISEMENTS
- 3 MEETING MINUTES
- 4 STEM EXPO 2019 WRAP-UP



AND NOW, A WORD ABOUT OUR SPONSOR...

*Bud Hurley received the Illinois Award, the highest award conferred by I.S.P.E., for his many years of service to the profession and to the society at the national, state, and chapter levels.*

## **CLAUDE H. HURLEY COMPANY**

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The meeting of ISPE Salt Creek Chapter was held on November 20, 2018, at White Fence Farm Restaurant in Romeoville. Gilbert Goodman called the meeting to order at 7:10 pm. In attendance were 6 PE members.

#### Treasurer's Report –No report

Operations – Dan Grecco reported that the Chapter Christmas party will be held on December 11, 2018 at White Fence Farm at 11:30. Members and guests can arrive at about 11:00 at the earliest.

Engineers Week- Dirk Krueger reminded everyone that 2019 is the year for our PE renewal. Make sure that the continuing education credits are obtained before the end of next November.

State Representatives - John Eisele reported that at the October 10, 2018 Board meeting the following items were discussed:

1. There will be a Foundation update by Jan. 1, 2019. The Foundation information will be sent to Cindy.
2. There is to be an Education focus and one University professor has agreed to help.
3. With the state administration being changes, the PE Act will probably be up for review.
4. The annual conference has not been booked yet. There has been a downward trend in participation over the past few years. We will be kept informed of the progress of this year's event.
5. The salary survey will be published early next year.
6. There is a template available for the Chapter by-laws changes due to the adoption of NSPE. We need to adopt these changes.

Old Business: None / New Business: The speaker for this evening was Jack Pizzo of The Pizzo Group who spoke about Creating Success in the Green Side of Green Infrastructure. The main items presented are as follows:

1. The group has four companies which function for Design, Supply, Construction and Management.
2. The High Efficiency Landscape system requires planning and if possible large areas for degradation of discharged pollutants.
3. Buffers are needed as transition areas between paths and the wetland areas. The desired minimum slope for embankments is 5 to 1.
4. Make sure that soil testing is performed prior to any planting. Some toxic chemicals can still be in the soil after 20 years.
5. Use native plants wherever possible. They use less water and usually have deeper root systems. The longer roots help hold stream banks from erosion.
6. For area management, don't let weeds reproduce. This can be done using controlled burns. Since the burn is fast moving, the soil temperature does not increase very much and therefore, the trees are not damaged.
7. Native plants attract native insects for pollination. Invasive plants attract invasive insect for pollination. For the most part, native plants are preferred in any application.
8. Review past projects to make sure that any mistakes are not repeated.
9. In general, good ecology for the landscape looks beautiful and is cost effective.
10. Meeting adjourned at 9:15 pm. – John Eisele, P.E.



## 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.*

### STEM EXPO 2019 WRAP-UP

Another successful and well-attended EXPO at Illinois Tech in Wheaton was held on Saturday, February 23. The guests, including children and adults, were surprised, educated and busy with the many interactive displays of the participating technical associations, businesses, educational institutions, and community organizations. This was the 35<sup>th</sup> year of the event and the Salt Creek Chapter has displayed at them all.

Check out [www.facebook.com/IITSoAT](http://www.facebook.com/IITSoAT) for hundreds of photos of the event and the alumni breakfast, which preceded the official opening. A view of the photos demonstrates what an outstanding event this EXPO is, and the work that goes into it. Downloading the program on the site would provide the names of all the participating organizations.

The **Salt Creek Chapter** exhibit included GZA GeoEnvironmental, Inc. (formerly Huff and Huff, Inc.) interactive environmental engineering display with the prospect of a mini-chocolate bar reward for the eager youngsters! The students learned about topics including ground water, biology, invasive species, and hazardous waste. Our exhibit also had demonstrations of the application of engineering principals to everyday utensils, tools and household objects, as well as the use of gears for rotary to linear conversion, levers, fulcrums, and springs. Series and parallel electrical circuits were demonstrated, in addition to gear motors, electromagnets and permanent magnets. For fun, a Van De Graaff static electricity generator provided shocking amusement for young and old alike!

The **Salt Creek Chapter** display was staffed by **John Eisele, Jim Huff, and Adam Kittler from GZA, along with Norm Gutauckas, Bud Hurley, Rich Symns, and Dirk Krueger**. As in past years, Norm demonstrated his divining rod and his vast knowledge of practical ways of solving problems. He engaged the kids in an engineering activity with the reward of an EWeek button. **Thanks** to all those folks for their participation. We were also pleased to see Salt Creek Chapter president Gil Goodman visiting the Salt Creek display.

The goal of the EXPO is to create interest in engineering and science education, and future careers. The contribution of the staff at IIT West and the many volunteers went a long way to achieving this goal.

Dirk Krueger, P.E., Salt Creek Chapter EWeek Chairman

