



Chicago ASPENEWS



Chicago Chapter of the American Society of Plumbing Engineers
Vol. 41, No. 5 December 2009

Booster Night! *Thursday December 17, 2009*

La Villa Restaurant and Banquets
3632 N Pulaski Rd
Chicago, IL 60641-3019
<http://www.lavillabanquets.com/>
FREE Parking!



AGENDA

5:00pm-9:00pm **Open Bar** — Well drinks, wine and beer compliments of ASPE Chicago chapter and our Affiliate Boosters!

6:30pm Dinner: Cost—\$30.00 for everyone!

Menu:

Appetizers:
Pyramid of Shrimp
Brushetta
Baby Meatballs

Entrees:
Beef Barley Soup
Salad (Balsamic, Ranch and Garlic)
Bow tie pasta with Pomodoro Sauce
Prime Filet Mignon
Chicken Francese (light batter with butter and

wine)
Green Beans Almondine
Oven Baked Potato

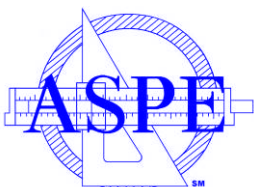
Dessert:
Vanilla ice cream with chocolate, strawberries and whipped cream

Coffee/Tea/Soda

8:00pm **Special Entertainment — Comedienne Patti Vasquez**

RSVP as soon as possible to Frank Sanchez, VP Technical!

- *Return the enclosed card for those of you getting this via US Mail*
- **Phone** 847.316.9251
- **Fax:** 847.328.4550
- **Email** Chicago.ASPE.RSVP@gmail.com



Local Chapters are not authorized to speak for the Society

PRESIDENT'S MESSAGE

Happy Holidays everyone! Yes, it's that time of year again. Time to think about what diet to try next!!! It's also the season of giving. I would like to thank everyone who came out to our November meeting and who donated toys to **Toys for Tots**



(www.toysfortots.org). Also, big thanks to those who participated in the October and November 50/50 raffles that benefitted Toys for Tots. I am happy to say that we FILLED the van brought by the Marines. What a great feeling!

Our December meeting is coming up and that is our annual holiday party called **Booster Night**. The reason it is called "booster" night is because many of our affiliates (manufacturers, representatives and others) make donations to help keep YOUR costs down. The dinner charge is MUCH less than the actual cost. And often, the money collected from our boosters also covers part of the entertainment for the evening. The cost, menu and entertainment information is elsewhere in this newsletter; so, you need to read it!! And the theme of the evening will be (and *continues* to be) "support those who support you."

Many of you have probably received a letter from ASPE saying that your **CPD Recertification** date is approaching. For me, it's April 30, 2010. By that date, I need to send in the recertification application (<http://aspe.org/sites/default/files/webfm/pdfs/CPD/CPDReCertificationPackage.pdf>) and a check for \$50. For those of you who need the ASPE CEU's, RU's, PDH's or whatever you want to call them, what you do is print the meeting attendance pages from the newsletters and locate your name. For each ASPE technical meeting (December does not count), we offer 0.75 CEU's. We also offer CEU earning seminars at the April Product Show. So, just by attending regular ASPE Chicago events, you can earn MOST of your required CEU's!! Not too shabby, huh?!??!

Speaking of Society things, ASPE has redone it's **website** and it looks GREAT!! Please take a look when you get a chance – www.aspe.org. Also, if you haven't checked out the Chicago Chapter website in a while, please do as there is lots of good info included – www.aspe.org/Chicago. Our webmaster Jim Moynihan does an excellent job keeping it up to date.

One last thing is that ASPE is having an **Open House** at the new Society headquarters, 2980 S. River Road in Des Plaines, on January 23, 2010. More information will follow.

Thanks to all of you for your continued support of the Chicago Chapter. Without the efforts and interest of our members and the added financial and technical support of our Affiliate members, this Chapter (and any other ASPE chapter) would cease to exist. With that in mind, if you have ideas for presentations, meeting locations or anything else that might benefit our membership, please share with me or any other Board member. Thanks!

Jason McDonald, President
jm@grummanbutkus.com; 847 316.9204



CHAPTER OFFICERS

PRESIDENT

Jason McDonald, CPD
Grumman/Butkus Associates
847 316.9204
jm@grummanbutkus.com

VICE PRESIDENT TECHNICAL

Frank Sanchez, CPD
Grumman/Butkus Associates
847 316.9251
fxs@grummanbutkus.com

VICE PRESIDENT LEGISLATIVE

Rick Butler
Lochinvar
815 477.9983
rbutler@lochinvar.com

VICE PRESIDENT MEMBERSHIP

Mark Mannarelli
Environmental Systems Design
312 456.2354
mmannarelli@esdesign.com

TREASURER

Sean Allard, CPD
Environmental Systems Design
312 580.0533
sallard@esdesign.com

ADMINISTRATIVE SECRETARY

Natalia Dankanich
Grumman/Butkus Associates
847 316.9208
nkd@grummanbutkus.com

CORRESPONDING SECRETARY

Peter Wu
peterwu83@gmail.com

AFFILIATE LIAISON

Mick Bradford
Miller Sales
630 458.8816
mick@miller-sales.com

EDUCATION CHAIRMAN

Dan Fagan, PE, CPD
OWP/P
312 960.8301
dfagan@owpp.com

NEWSLETTER EDITOR

Ben Rubach, PE, CPD, LEED AP
dbHMS
brubach@dbhms.com
312 915.0557 x222

WEBMASTER

Jim Moynihan
Chicago Technical Sales
630 889.7121
CTSalesInc@aol.com

GOLF OUTING CHAIRMAN

Steve Triphahn
W-T Engineering, Inc.
847 895.3640
steve.triphahn@wtengineering.com

HISTORIAN

Donald Johnson

WEBSITE

<http://www.aspe.org/Chicago>
("C" is required)

TECHNICAL REPORT



NOVEMBER MEETING RECAP

November Primer: Seismic Restraints by Tolco/Nibco.

Rick Mayersky brought us a lot of samples, seismic bracing checklist and catalogs. As previously indicated, if a building is still standing after an earthquake, systems or components within that building labeled EMERGENCY, such as an emergency generator system, must continue to function. Refer to seismic use groups III (IBC-2000) and IV (IBC-2003/2006). This applies to buildings and other structures designated as essential facilities such as hospitals, fire/rescue/police stations, shelters, etc.

November Technical Presentation: Commissioning of Plumbing Systems by John D. Villani, PE, LEED AP, QCxP, CEM, GBE and much more to include here! He works at Grumman/Butkus Associates.

Commissioning is a process of ensuring that building systems are designed, installed and tested to perform according to the engineer's intent and the owner's needs. This process enhances the quality of the project and improves communication between team members while reducing the dreaded RFIs.

Mr. Villani defined the commissioning process and provided an array of samples. We all enjoyed seeing pictures that belong to the "Plumbing Wall of Fame". It is impressive how creative some of the contractors can be. Fortunately we have people like John to set things straight.

ALTERNATIVE LOCATIONS NEEDED!

I would like to reach out to the folks who work and live in the suburbs. So please email me with your suggestions and comments. During our last meeting I was referred to places like:

Itasca Country Club, Itasca

Avalon Banquets, Elk Grove

Champps' Restaurant & Bar, Schaumburg or Lombard

If you know of any other places, please let me know

BOOSTER NIGHT IS FINALLY HERE!



Happy Holidays Chicago!

Celebrate early and celebrate often!

During Booster Night you can relax, loosen up your tie and jump start the holidays. In a gesture of appreciation, ASPE Chicago gives back to our loyal membership with the support from our affiliates and manufacturer representatives. We will have fliers with their names, make sure you stop by their table and thank them for their support.

The menu includes amazing food, great appetizers and a lot of refreshing beverages! Come and have a great time with us.

Unfortunately, we will not have a technical presentation. I know you are very disappointed but hang in there; we will come back "Citius, Altius, Fortius" next year.



RSVPs ARE VERY, VERY IMPORTANT

ASPE Chicago sponsors a big portion of the dinner and entertainment costs. So please make your reservations! We usually have around 100 people and I want to make sure we all have plenty of food, drinks and laughter!



PATTI VASQUEZ, COMEDIENNE



For our Booster Night we will have an amazing comedienne, Patti Vasquez. She is a Chicago native, got her start in comedy as an emcee at Zanies Comedy Club. While she disappointed her parents by never completing her PhD in history, she has gone on to write and star in three hit one-woman shows: Pregnant Party Girl: From Stolis to Stirrups, Mamacita: Tales of a Diaper Diva and Tequila and Shamrocks: Every Flower Has Her Roots.

She enjoys performing across the country as part of The Bob and Tom Comedy All-Stars. Her perspective on family and relationships, including stories about growing up in a multi-ethnic American family, balances the rest of her act, which examines the absurdities of modern life.

This will be an amazing event, make sure you don't miss it!

As always, feel free to contact me if you have any questions or comments,

Frank Sanchez, CPD; Vice President Technical

fxs@grummanbutkus.com; 847 316.9251

Reduce, reuse, recycle... Rethink.

GREETINGS FROM YOUR ADMINISTRATIVE SECRETARY!

Happy Holidays everyone! I hope all of you had a great and safe Thanksgiving. We had two winners at our last meeting. Ed Kedzie won a free dinner (it's his third this year already, is he the only one who RSVP's?) And the "jackpot" went to Jaimi Stroot of Environmental System Design. That was her first meeting at ASPE, good way to start, Jaimi! She even donated some of her winnings back to toys for tots! Congratulations to both of you. Thanks everyone for participating in 50/50 raffle that benefitted Toys for Tots. You won in your heart by putting a big smile on kids' faces this Holiday season.



Natalia Dankanich, Administrative Secretary

nkd@grummanbutkus.com; 847 316.9208



AFFILIATES—BOOSTER NIGHT

I know most of you have received the e-mail asking you to participate as a sponsor for the ASPE Chicago **BOOSTER NIGHT**. The deadline for participation is December 11, 2009. By sending in your sponsorship, this insures a successful event and recognition of your support. Remember, ASPE Chicago supports those who support the chapter?

Thanks to all those who have already sent in their checks. If you haven't received sponsorship information, please contact me via e-mail or a call and I will send the information to you.

Thank You

Mick Bradford, Affiliate Liaison

mick@millersales.com, 630 688.2635

HELLO AGAIN FROM YOUR FRIENDLY V.P. MEMBERSHIP!

Hello again from your friendly V.P Membership,

I would like to inform the chapter that we are still the largest Chapter with 375 active members! The closest chapter with the next highest members is Boston with 330 followed by Philadelphia with 229 and Atlanta with 217. Congratulations to the Chicago Chapter.



For all you air travelers: **The Aircraft Drinking Water Rule**

The primary purpose of the Aircraft Drinking Water Rule (ADWR) is to ensure that safe and reliable drinking water is provided to aircraft passengers and crew. This entails providing air carriers with a feasible way to comply with the Safe Drinking Water Act (SDWA) and the national primary drinking water regulations (NPDWRs). The existing regulations were designed primarily with traditional, stationary public water systems in mind. Some of these requirements have proven difficult to implement when applied to aircraft water systems, which are operationally very different. Therefore, using a collaborative rulemaking process, EPA developed the ADWR that is tailored to aircraft public water systems. The final rule combines coliform sampling, best management practices, corrective action, public notification, operator training, and reporting and recordkeeping to improve public health protection.

The ADWR was signed on October 5, 2009.

Again, if any one that you know needs help with their dues renewal ASPE National has a program "**compassion waiver**," program, which allows a member to maintain their membership over a three-month period and at the end of the third month they can renew at a discounted renewal rate.

Some of you are wondering, "I just lost my job. Can I continue my membership?" Yes, you can. In addition, if you are unable to afford the membership fee at this time, there is a special form I can send to you to request a dues waiver. Please call me at work 312-456-2354 and if I am not in please leave me a message! Please let us help you in these rough times...

This is what we (CHICAGO) are about—helping each other.

Mark Mannarelli, Vice President Membership

mmannarelli@esdesign.com; 312 456.2354



A STEP IN THE RIGHT DIRECTION!

Happy Holidays to all!

Toys, Toys, and More Toys! Thanks to all who contributed to the massive pile of toys the Marines came to pick up at our last dinner meeting. It was an honor to meet these Marines. I hope everyone had a chance to thank them for their service to our country.

ASPE Symposium; a review from the “other side”:

I thought the program was well put together. Being from the “other side” it was noted that the engineers made every effort to stop by all the booths, and spent time with the representatives.

The seminars were well distributed. I especially enjoyed the Engineer/Contractor “discussion”. If it was not for all the other people that get involved in our projects, you guys would get a long just fine! One comment I had is that the presenters need to keep their presentations objective, and not get into political views.

The other major part of the conference I liked was combining it with the PCA. Getting us together professionally and a little socially was a great idea. I trust this relationship will continue

Again, hope you all have a safe and pleasant holiday season. Cannot wait for the Booster Night Extravaganza.

Rick Butler, Vice President Legislative
rbutler@lochivar.com; 815 477.9983



GREEN TIPS FOR ENGINEERS



Polycarbonates and Bisphenol A (BPA)

On my last article, we reviewed that if you purchase one bottled water a day for \$2, it could end up costing you around \$730 per year while using 114 gallons of water, 37 megaloules and 9 gallons of oil to produce it. Here is an online calculator <http://www.newdream.org/water/calculator.php>. Let's keep in mind that this applies not only to bottled water, but also soda, juices and sport drinks.

All these plastic bottles are built from polycarbonate plastic, a lightweight, high-performance plastic. Unfortunately, these plastics can also be harmful to our health by releasing Bisphenol A (BPA). Several studies have shown that under typical conditions, the migration of BPA into our food and beverages is extremely low.

BPA is one of many man-made chemicals classified as endocrine disruptors, which alter the function of the endocrine system by mimicking the role of the body's natural hormones. Hormones are secreted through endocrine glands and serve different functions throughout the body.² This chemical, which is widely used in products such as reusable water bottles, baby bottles, food can linings, water pipes and dental sealants, has been shown to affect reproduction and brain development in animal studies.² Also, BPA exposure might harm the reproductive and nervous systems, and possibly promote prostate and breast cancers.³ However, I am not taking that risk, considering that research and public pressure has led the six largest baby bottle manufacturers (Avent, Disney First Years, Gerber, Dr. Brown, Playtex and Evenflow) to voluntarily ban its use.⁴

Some examples include studies conducted by the U.S. Food and Drug Administration (FDA) on baby bottles, water bottles and cut portions of baby bottles under "typical/normal use" conditions (Biles et al, 1997).¹ The Japanese National Institute of Health Sciences (NIHS) conducted a study on tableware and baby bottles under conditions representative of normal consumer use (Kawamura et al, 1998);¹ The Society of the Plastics Industry, Inc. (SPI) conducted a study on polycarbonate discs under the most rigorous conditions recommended by FDA (Howe and Borodinsky, 1998¹).

Don't panic and start throwing away all your plastic bottles, containers and Tupperware. However, be aware of the risk associated with their use, do some research and make a conscious decision. As always, feel free to contact me if you have any questions or comments,

Frank Sanchez, CPD
Vice President Technical, ASPE Chicago Chapter
Reduce, reuse, recycle... Rethink!

References:

¹ <http://www.bisphenol-a.org/human/polyplastics.html>

² <http://www.sciencedaily.com/releases/2008/01/080130092108.htm>

³ http://www.msnbc.msn.com/id/33836605/ns/health-mens_health

⁴ <http://blogs.consumerreports.org/safety/2009/03/baby-bottle-makers-agree-to-ban-bpa.html>

November 2009 MEETING ATTENDANCE

The following list of individuals attended the November 2009 meeting of the ASPE Chicago Chapter. In accordance with ASPE Society policy, these individuals are entitled to 0.75 RU's towards the required 24 RU's needed every two years to maintain CPD registration. Meeting attendance is also recognized by the Illinois Department of Professional Regulation to count as 1 PDH towards the required 30 PDH's needed every two years to renew Professional Engineering licenses.

This printing constitutes our record of who was in attendance. We apologize for any misspelling of names and ask that for future sign-ins, please print legibly. Thank You!

Sean	Allard
Tom	Babcock
Julius	Ballanco
Judie	Ballanco
Jeremy	Blackhurst
Damon	Cameron
Jeff	Cochran
Dan	Courtney
Ken	Cutler
Mike	Cwanek
Bob	Dahlmann
Natalia	Dankanich
Ralph	Dantino
Michael	Daugherty
David	DeBord
Dan	Fagan
Jim	Feeney
Joe	Ficek
Otto	Finiewicz
Bryan	Fonseca
Brian	Hank
Tom	Higgins
Herb	Hymen
Mike	Imaoka
Bob	Jackson
Jim	Majerowicz
Paul	Jarosz

Michael	Karagianis	Val	Petersons
Mark	Kaulas	Bob	Pikula
E J	Kedzie	Val	Podiski
Phill	Kroll	Dennis	Richards
Paul	Krujewski	Paul	Riedinged
Jonathan	Kulpit	Ben	Rubach
Val	Kurdaliev	Frank	Sanchez
Trace	Laux	Chris	Sbarbaro
Apple	Lau	Danielle	schenkoske
David	Lehman	Keith	Seier
Ed	Lichner	Craig	Shannon
Mark	Luczak	Barry	Smith
Larry	Luczak	George	Sobyra
Mark	Mannarelli	Jeff	Steck
Nevo	Martelli	Jaimi	Stroot
Rick	Mayersky	Mike	VandenBergh
Brian	Mazzocchi	Henry	Vickerg
Joe	McCleery	Harold	Weil
Jason	McDonald	Dave	Wick
Jonathan	Mesik	Chris	Wisinski
Greg	Nagrant	Mel	Withrow
Zoya	Oberfeld	Peter	Wu
George	Pagach	Era	Yee

This printing constitutes our record of who was in attendance. We apologize for any misspelling of names and ask that for future sign-ins, please print legibly. Thank You!

2009-2010 ASPE Chicago Meeting Schedule

Date	Primer	Technical	Location
September 17, 2009	<i>ASPE Society Update : Tim Smith, Metro Design.</i>	<i>CSI MasterFormat: Presented by Randall Chappel, Associate Principal at Goettsch Partners</i>	<i>Costa's 340 South Halsted Street Free Valet Parking</i>
October 15, 2009	<i>BIM Overview - 3D Coordi- nation Walkthrough - CAD- WORKS</i>	<i>New LEED Green Building Rating System - David E. Debord, Envi- ronmental Systems Design</i>	<i>La Villa 3638 North Pu- laski Free Parking</i>
October 23-25, 2009	<i>ASPE Technical Symposium</i>		<i>Dearborn, MI</i>
November 19, 2009	<i>Seismic Restraints, Hangers and Supports by Tolco</i>	<i>Commissioning for Plumbing Systems - John Villani, Grum- man/Butkus Associates</i>	<i>The Parthenon 314 S. Hal- sted - Free Valet Parking</i>
December 17, 2009	<i>Booster Night Special Entertainment</i>		<i>La Villa Restaurant & Piz- zeria</i>
January 21, 2010	<i>Joint Meeting - City of Chicago Inspectors Open Forum</i>		<i>Suburbs Location</i>
February 18, 2010	<i>Piping Identification</i>	<i>Legionella Prevention Systems</i>	<i>Alternate Venue or Parthe- non</i>
March 18, 2010	<i>Piping for High-Purity Water Systems</i>	<i>RO and DI Water Systems Ap- plications</i>	<i>La Villa 3638 North Pu- laski Free Parking</i>
April 15, 2010	<i>39th Annual ASPE Chicago Product Show and Seminars</i>		<i>White Eagle - 6839 N Mil- waukee Ave, Niles, IL 60714</i>
May 20, 2010	<i>Fire Wall Ratings and Firestopping</i>	<i>Fire Protection Basics: Occu- pancies, Definitions and Basic Layout</i>	<i>Alternate Venue or La Villa</i>
June 18, 2010	<i>Annual Golf Outing</i>		<i>Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates</i>
July 17, 2010	<i>5th Annual Kenneth G. Wentink Memorial Ride to the Rock</i>		<i>Glen Ellyn, IL to Starved Rock State Park</i>