



Chicago ASPENews

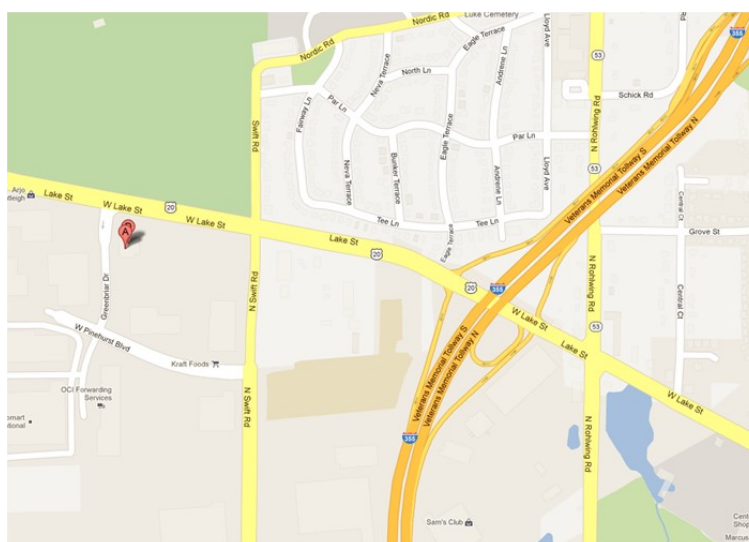


Chicago Regional Chapter of the American Society of Plumbing Engineers
Vol. 53, No. 2
October 2021

Chicago Chapter General Meeting Thursday, October 21, 2021

**Venuti's Ristorante
And Banquets**
2251 W. Lake Street
Addison, IL 60101

Plenty of free parking!



AGENDA

5:30pm Cocktail Hour Sponsored By:



6:30pm Dinner, (\$40 for ASPE Members \$45 Non-Members). **RSVPs must be received by 6:00 PM on Monday, October 18th**
(RSVPs received after this time will be charged a \$5 late fee).

7:15pm **Manufacturer Spotlight:** Centrotherm by Josh Stelter of Lyall, Thresher & Associates.

7:30pm **Main Presentation:** Flue Gas Vent Materials & Standards by Bill Summers with Centrotherm (0.1 CEUs Available!)

Please RSVP on the Chicago.aspe.org website in lieu of calling or emailing, thank you for your cooperation!

MENU

Starters:

Creamy Tomato Basil Soup
Caesar Salad

Main Course:

Grilled French Cut Pork Chop
w/ Green Bean Almondine & Potatoes Lyonnaise

Dessert:

Chocolate Mousse w/ Raspberry Sauce

Drinks:

Soft Drinks, Coffee and Tea



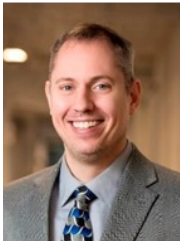
Chicago ASPENews



2021-2022 ASPE Chicago Meeting Schedule

Date	Technical Presentation & Manufacturer Spotlight	CEU	Location
Friday, September 10, 2021	Stephen Triphahn Memorial ASPE Chicago Golf Outing	N/A	Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates
Thursday, September 16, 2021	Presentation Topic: Hot Water Heat Pumps: An Emerging Technology for Today's Energy Trends Speaker: Chris Wisinski Mfr Spotlight: Bornquist - New Technologies Speaker: Chris Wisinski	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL
September 22-26, 2021	ASPE Technical Symposium San Diego, CA		San Diego, CA
Thursday, October 21, 2021	Presentation Topic: Flue Gas Vent Materials & Standards Speaker: Bill Summers Mfr Spotlight: Centrotherm Speaker: Josh Stelter of Lyall, Thresher & Assoc	0.1	Venuti's 2251 W. Lake Street Addison, IL
Thursday, November 18, 2021	Presentation: Chicago Plumbing Code Amendments Speaker: Grant Ullrich - Chicago Managing Deputy Commissioner Mfr Spotlight: Herkowski Stickler & Associates Speaker: Phil Traynor	0.1	The Berghoff 17 W. Adams Street Chicago, IL
Thursday, December 09, 2021	Booster Night Holiday Party & Casino Night	N/A	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
Thursday, January 20, 2022	Presentation: Hot Water Distribution Temperatures, Legionella Control & the Need for Enhanced Scald Prevention Tactics Speaker: James Dipping - ESD Mfr Spotlight: NIBCO Speaker: Aaron Kilburg	0.1	Noon Whistle Brewing Co (NEW VENUE!) 800 E Roosevelt Road Lombard, IL 60148
Thursday, February 17, 2022	Presentation: Everything Engineers Should Know about Hot Water Return Design (Part 1: Theory) Speaker: Christoph Lohr - IAPMO Mfr Spotlight: TBD Speaker: TBD	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL
Thursday, March 18, 2022	ASPE Chicago Product Show and Technical Seminars Co-located with ILPHCC Drury Lane Conference Center, Oakbrook Terrace, Illinois	0.4	Drury Lane Conference Center, Oakbrook Terrace, Illinois
Thursday, April 21, 2022	Presentation: Performance Roof Drain Design Speaker: Craig Froeter Mfr Spotlight: TBD Speaker: TBD	0.1	Church Street Brewing Co (NEW VENUE!) 1480 Industrial Drive, Unit C Itasca, IL 60143
Thursday, May 19, 2022	Presentation Topic: TBD Speaker: TBD Mfr Spotlight: TBD Speaker: TBD	0.1	Downtown Location TBD
Friday, June 17, 2022	Stephen Triphahn Memorial ASPE Chicago Golf Outing	N/A	Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates

If you would like to present any of these topics or become a meeting sponsor, please contact Chris Rohanat aspe.chicago.vptech@gmail.com.



PRESIDENT'S MESSAGE

Greetings ASPE Chicago Chapter Members: I want to thank everyone who made it out to our first in-person meeting in September at Westwood Tavern & Tap. A huge thanks to Chris Wisinski, from Bornquist, for his presentation on Heat Pumps for domestic water systems. This is a new growing technology that was also just presented at the Symposium. T.J. Higgins and Charlotte Pipe sponsored the Cocktail Hour. Our next chapter meeting is Oct 21 at Venuti's. Be sure to RSVP for the meeting early as our dinner numbers are dependent on your early registrations. I hope to see you there.

This was a very busy month for ASPE events. I want to thank everyone who was able to make it out to the ASPE Chicago Golf outing. Attendance was a little down this year, but all those in attendance had a great time. The weather was simply perfect. A big congratulations to Chris Sbarbaro for winning the first putting contest challenge, hosted by Bob Taylor from McWane. Chris walked off with a nice new putter.

ASPE Technical Symposium:

As always, the Chicago Chapter really makes their presence known at the conventions and symposiums. This year was no different as we had 11 Chicago chapter members in attendance in one form or another. Read on through the newsletter for articles from the members who did attend for their Symposium perspectives. Next year's Convention and Expo will be in Indianapolis. I hope the close location will allow more Chicagoans to attend.

ASPE Annual Golf Outing:

The Golf outing was a wonderful event. We started the day to the surprise of the members with an unveiling of the Stephen Triphahn bench located on hole #8. If you missed the outing this year, be sure to check it out next year. The Triphahn family was



honored and joined us golfing as well.

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Manufacturer Spotlight



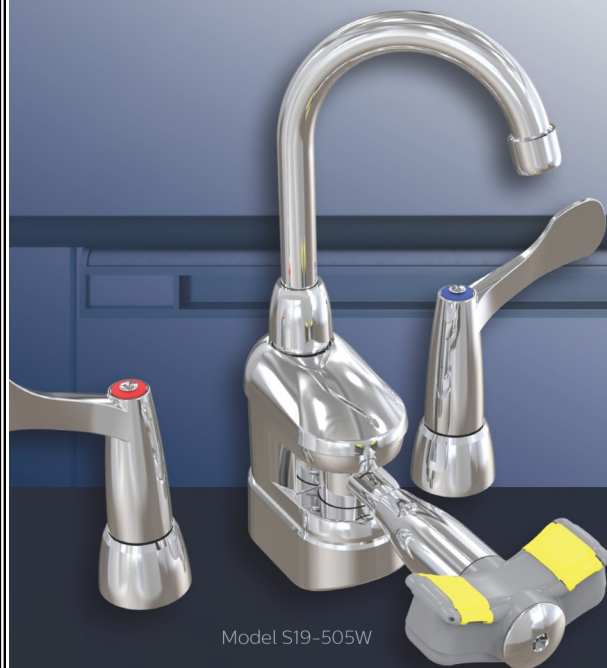
***This month we would
like to thank:***



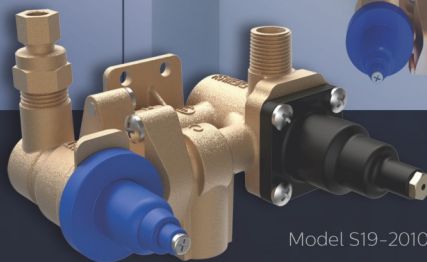
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PRESIDENT'S MESSAGE, CONTINUED...

ASPE Chicago is getting Social:

Did you know that ASPE Chicago Chapter has social media accounts?

Our chapter corresponding secretary, Eric Cottrell, is now also the Chapter's First Director of Social Media.

Please look at Eric's Newsletter article for links to all our social media accounts and please follow them with your personal accounts. If you have any events you want the chapter to promote, pictures you want to post or any other item for the chapter to advertise send an email to aspe.chicago.social@gmail.com

Let's show off how awesome our work is and prove that Chicago designs are the best designs.

Compassion Waiver:

Did you know that if you are struggling and lose your job, you can get help from ASPE to maintain your ASPE Membership? ASPE offers members the ability to request a compassion waiver to keep your membership active while you are unable to pay. Go to this link and send me an email to request a letter. The waiver is good for 3 months with a maximum of 4 renewals. <https://www.aspe.org/membership-global-community/membership/members-only/application-for-compassion-waiver-of-society-dues/> Please note that ASPE is also extending expiration of memberships to 90 days.

Thanks!

Scott Jagodzinski, GPD, CPD

Chicago Chapter President

aspe.chicago.president@gmail.com



VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING

Greetings ASPE Chicago Chapter Members! It was great to see some familiar and new faces last month at Westwood Tavern and at the golf outing! Although the turnout was lower than usual for that venue, it was nice to finally get out! I promise that the next time we go to Westwood Tavern, I will stay away from the Amaretto Chicken entrée, which seemed to garner some decisive opinions. The food is almost always great at that venue, so we'll count that as just being an off night.

A big thank you to Chris Wisinski of Bornquist for stepping up to be our first Manufacturer Spotlight participant and technical presenter of the season with a very informative presentation on Domestic Hot Water Heat Pumps. There was a lot of discussion on how far we have come in available technologies over the years (including plenty of jokes at Rick Butler's expense!) and the environmental impact of systems we have become accustomed to. The discussion also included the downsides to some of the other green energy sources that are available, piping configurations, and sizing strategies.

I would also like to give a big thank you to T.J. Higgins Co and Charlotte Pipe for co-sponsoring our cocktail hour last month! Your support is greatly appreciated!

I hope to see you all next month at Venuti's! Please be sure to get your RSVP's in as early as you can so we can assist our venues with the staffing issues we know many places are having. Although we ask to have RSVP's in by 6pm the Monday prior to our meeting, many of our venues are asking for best estimates much further in advance so they can start making staffing arrangements. If you need to cancel a RSVP, please let us know as soon as possible.

October Chapter Meeting Presentation Info:

Cocktail Hour Sponsor: **Grundfos**

Manufacturer's Spotlight: **Centrotherm– Josh Stelter - Lyll, Thresher & Associates, Inc**

Title of presentation: **Flue Gas Vent Materials & Standards: Why Use the Materials We Do and the Changing Code Landscape by William Summers from Centrotherm.**

Presentation Summary:

Products like PVC and stainless steel have been used for power vented equipment for many years. Polypropylene, while not a new material, is rapidly growing in this segment. Find out how polypropylene can save cost, labor, and is a safer alternative for your projects. And why code changes across the US are looking to flue gas vent material that is engineered to the UL-1738 standard for gas fired equipment.

Continued on Page 8



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VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING, CONTINUED...

Presenter Bio: William Summers, a longtime veteran of the HVAC industry, joins Centrotherm as Regional Sales Manager covering the Central Territory of the United States for Centrotherm Eco Systems - spanning Central Pennsylvania through the Great Plains states, and southward through to the southern border of the country.

Venuti's COVID Rules and Requirements:

The venue has indicated that per current state mandates, masks **are required** to be worn **in all indoor public areas** of the restaurant, including the bar that many frequent pre and post meeting. Masks **are not required** to be worn **in the private meeting space**. Although masks are optional in our private meeting space, we do encourage them to be worn when not eating and drinking. Any additional precautions will be the responsibility of each individual. Please note that ALL venue staff will be wearing masks.

Dietary Restrictions:

If someone has allergies or a diet restriction and would like something alternative to the listed dinner offering, please reach out to me directly with as much advance notice as possible and we will try to accommodate you. However, due to the challenges of such requests, members will be required to prepay online prior to the meeting and cancellations will not be refunded as that alternative meal will not be served if you are not in attendance.

Chapter Meeting Survey Results

Thank you to everyone that participated in the Meeting Location Survey! This information will help us better target meeting locations and topics. I would also like to thank everyone who submitted ideas for venue locations. I have been chasing down some of those locations over the last couple of months to check out their viability with some varying degrees of success. We had a total of 58 responses, below is generalized breakdown of what was revealed:

- Approximately 72% of the respondents live in the NW, SW, W and Near W suburbs
- Approximately 25% of the respondents work (at least some of the time) around the downtown area
- Highest meeting topic interest level included Code Changes, New Technology & Methodology, Legionella, Hot Water Recirculation, Water Heating, Pipe Materials, Specialty Piping Materials, and Water Design Methods.
- Lowest meeting topic interest level included Booster Pumps, Medical Gas, Natural Gas, Firestopping, and Sump & Sewage Pumps.
- For opinions on Sit Down Dinners vs dinners that would be heavy on hor d'oeuvres to allow for more social interaction, that was a 50/50 split.
- Westwood Tavern was by far the most popular venue we attend with Venuti's being the next most popular.
- LaVilla was the least popular venue followed by The Berghoff, but most respondents selected that they did not dislike any of the venues
- Out of the 58 responses, 60% classified themselves as an Engineer/Designer.

2021-2022 Chapter Meetings

As noted last month, and as many of us have probably felt when going out and about the last few months, our Chapter is facing increased meeting costs. We were trying to avoid increasing meeting costs, but we continue to see increasing costs in this volatile market. Starting with November's meeting, the meeting fees will increase by \$5 for members to \$45, and \$50 for non-members with a \$5 late fee for late RSVP's.

Last month we had 10 total no-shows from the initial RSVP list for 33 attendees, 2 of which notified us in advance that they needed to rescind their RSVP. If you cannot make a meeting, please let us know as soon as possible so we can adjust our counts with the venue and avoid paying for meals that did not get used.

I am close to finalizing the rest of the meeting schedule from Feb-May. Once the dust settles, I am certain that we will have a couple of exciting new venue locations to look forward to in the new year, starting with Noon Whistle Brewing Co in Lombard in January.

The schedule through April is pretty much set, but I am still working on the month of May. I am still looking to fill a few of the remaining Manufacturer Spotlights segments in addition to a few cocktail hour sponsorships. As you may have noticed on the calendar, we have a couple new venue locations to look forward to in the new year, starting with Noon Whistle Brewing Co in Lombard in January!

Continued on Page 10

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 - Ion sensors allow for out of sequence detection in both up and down directions. In addition, Ion sensors use strain gauge technology to overcome reliability and operation issues typical of mechanical floats



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VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING, CONTINUED...

I am still looking to fill Manufacturer Spotlight segments and Cocktail Hour sponsorships for most of the meetings in the new year. Please let me know if you are interested.

In an effort to reduce paper waste, we are going to attempt to use smart phone technology for the purposes of submitting Technical Presentation Evaluations at our meetings. This will require attendees to scan a QR code (you may test scan adjacent QR code) which will take you to a Google Form to fill out an evaluation. A small display sign will be located at each table for attendees to scan. Since we know that technology does not always work out as planned, and internet access can be iffy at some of the venues, we will have paper forms available for those who need them. We had a total of 6 attendees use this method at our last meeting who were lucky enough to be able to obtain a signal on their phones.



Virtual ASPE Chapter Meetings – CEU Opportunities

If you need CEU's or are just looking for some topics of interest, there are still several Chapters hosting virtual meetings that ASPE members are welcome to attend for free. Please follow this link to browse upcoming opportunities <https://education.aspe.org/upcoming>

If you have an idea for a technical presentation you want to see, or you have a great technical session you want to present, please reach out to me and we can look to get you or your topic on the list for next season. Slots will fill up quickly. We are also looking to lock in Manufacturer Spotlights and Cocktail Hour sponsors as well.

Thanks,

Chris Rohan, CPD

Chicago Chapter Vice President, Technical
aspe.chicago.vptech@gmail.com



VICE PRESIDENT, LEGISLATIVE

Hello Chicago Chapter Members!

There have been some exciting updates with the Chicago code this month and currently Grant Ullrich, DoB Deputy Commissioner, will be our speaker at the November meeting to discuss these changes. Additionally, after attending the ASPE Symposium and seeing a couple manufacturers surprisingly add hot water return balancing valves to their product offering, I want to share and to expand your hot water return design considerations.

International Code Council – 2024 Codes

The process of updating the International Building Codes for the 2024 edition, is still underway. There have not been any recent updates from the Committee Action Hearings in Spring, I will be continually monitoring this.

City of Chicago Updates

The Chicago DoB has introduced Plumbing Code changes to the City Council this month. As of this writing, they were passed out of committee and are now awaiting for a vote from City Council on 10/14. These changes would allow PVC to be used in buildings without a variance. The proposed would allow PVC in residential and mixed use buildings under 60'-0" in height and underground for drainage and vent. Non-residential areas in the building would still be required to be non-combustible.

There is also language proposed that would:

- Adjust the drainage fixture units (DFUs), reducing pipe sizes
- Indicate locations grease traps are required
- Require additional toilet facilities for Public pools

A link to the proposed amendments can be found here: <https://chicago.legistar.com/View.ashx?M=F&ID=9808280&GUID=2A873936-7A6F-45DC-9381-5F004F9DAB27>

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Upcoming AYP Event!



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Event will include...

45 minute brewery tour and a happy hour

1 12 oz can of beer at the start of the tour

2 samples of beer and 1 Revolution glass

Where: Revolution Brewery - 2240 N Kedzie Ave

When: November 11th at 5:30 PM

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VICE PRESIDENT, LEGISLATIVE, CONTINUED...

To stay up to date on the happenings of the City Council and Committees, you can find the regularly updated calendar here <https://chicago.legistar.com/Calendar.aspx>

State of Illinois Updates

There has been no action related to the State of Illinois Plumbing Code. Additionally, there are no scheduled Illinois Plumbing Code Advisory Council Meetings. If that changes, I will let you know. To keep up on scheduled IDPH Events, the regularly updated calendar can be found here: <http://www.dph.illinois.gov/event>

Selecting the hot water recirculation balancing valve(s) for your project:

Of the six standard (DWV, water, storm) plumbing systems in our buildings, hot water return design has become the most critical in recent years. Water-saving fixtures have proven to be effective at saving water, but it has been a part of the decreasing water quality in potable water systems. Stagnant and slow moving water is bad for your plumbing systems. As members of the plumbing community, we must be aware of this and do our part in maintaining water quality.

Hot water supply pipe sizing was discussed in the September issue, but now let's consider the hot water return system. For sake of clarity, a couple questions to ask: Where does the hot water supply system separate from the hot water return system? Where does the hot water supply system separate from the hot water recirculation system?

Would you agree that a balancing valve is the point in separation between hot water supply and return systems but that the hot water supply is ~half of the recirculation system?

My point?

We select balancing valves to serve the circulating hot water system. Its purpose is to direct/balance water flow to maintain a consistently elevated temperature throughout the hot water supply system. Maintaining the elevated temperature also means that water is evenly passed through the water heater. Increasing the number of daily passes through the entire circulation system will improve water quality.

Also included in the circulating system are: supply piping, return piping, water heater and the recirc pump. The sizes of pipe impact the velocity of water moving through the system while the size of the recirc pump impacts the flow rate of the circulation system. The water heater is sized to maintain a temperature in the system based on water usage and standby losses.

You may be asking, how many balancing valves are there? In my opinion there are four types:

- Ball/Multi-turn valves; pressure dependent
- Thermostatic Balancing Valves, fixed-cartridge or adjustable
- Venturi-type valves
- Electronically Actuated Balancing Valves

Ball/Multi-turn valves are the historically used balancing devices. These devices are well known, the multi-turn valves offer better control on the pressure drop as supply water is returned back to the recirc pump.

Thermostatic fixed-cartridge pressure independent balancing valves are fixed devices ordered from the manufacturer with no adjustment on-site possible. These valves have a pre-set temperature the flow is balanced around. If the designer wants a 120°F balancing valve rather than a 130°F valve, these would be specified and ordered per the designer request. If the wrong valve is received on site, the valve would need to be sent back to factory for a replacement. They operate by throttling the opening as temperature at the valve changes, as temperature increases the valve will close and as temperature drops, the valve will open.

Adjustable thermostatic balancing valves are devices that operate in the same manner as the fixed cartridge valves, but the field team is able to manually adjust the temperature the valves are set to. This then would not require shipping between the factory if a different temperature set point is required. It does however allow the users to adjust the temperature set point after building turnover.

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VICE PRESIDENT, LEGISLATIVE, CONTINUED...

Venturi valves are devices that are put into the hot water supply line in series. They divert some water to circulate through a room and then the diverted water is directed back to the supply line. There is added pressure drop to the system that the recirculation pump will need to compensate for and as such the manufacturers will give guidelines regarding how many venturi balancing valves you can design with in series. In the product data I've seen for these, the manufacturer had recommended the use of these valves as HW distributes across a floor, and to pair it with a thermostatic balancing valve at the HWR riser.

Electronically actuated balancing valves are the newest to me. Previously I had thought the only way to control balancing with solenoid valves and sensing probes would be to require a control point or two and tie it into the Building Management System (BMS). This would be costly. At the ASPE Symposium, a manufacturer has introduced a system where all of the balancing valves in a building are daisy-chained together with a control wire running through the building and back to a "brain". This brain has a display screen showing the water temperature at each valve and required only one control point to the BMS. The temperature readings can be trended and saved for your client's use should a lawsuit regarding legionella arise. It is the most expensive hot water balancing option, but if your client is sensitive to lawsuits originating from issues with the hot water allowing bacteria growth, the premium associated might be acceptable.

Which balancing valve strategy do you want to use?

If you have questions on how to size a water heater or the recirculation pump (not discussed here), feel free to reach out to me at aspe.chicago.vpl@gmail.com and I can give a few pointers in how I size the equipment.

Please reach out to me if you have any code questions, code updates, ideas for topics of discussion, or you are looking for any interpretations and I will try and include pertinent information in future newsletters.

Stay safe and healthy!

Chris Winnie

Chicago Chapter Vice President, Legislative

ASPE.Chicago.VPL@gmail.com

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VICE PRESIDENT, MEMBERSHIP / AMBASSADOR

Greeting Members,

It was great to see some of the membership attend the in-person meeting last month at Westwood Tavern. It appears that we are somewhat getting back to normal. Our current membership numbers are steady. We currently have 247 members in the Chicago chapter, which is a little lower than normal but we have been steady since the start of covid. If you know of a member that is currently struggling paying dues, ASPE does offer a compassion wavier which can help a member out. Please reach out to me if this is a program that you would like to utilize.

If you are a manufacturer rep that is starting to visit engineering firms again, please reach out to me if you know of firm that have engineers that are not signed up with ASPE so I can reach out to them.

Starting next month, I will be reaching out to members to gather information for a member spotlight. I am looking to gather information on unique project that you have been a part of that you would like to showcase.

I am looking forward to seeing you all at Venuti's this month.

Stay Healthy,

Justin Wroblewski, CPDT

Chicago Chapter Vice President, Membership / Ambassador

ASPE.Chicago.VPM@gmail.com / aspe.chicago.ambassador@gmail.com / Jwroblewski@ams-pmt.com



VICE PRESIDENT, AFFILIATE

Happy Fall ASPE Members!

Thanks to everyone who came out to the Stephen Triphahn Memorial ASPE Chicago Golf Outing, the event was a fantastic event, weather was great, and fun was had by everyone!

Seems like summer is trying to hang on with warmer than average temperatures allowing us to enjoy summer like activities a bit longer, but cooler temperatures are on the horizon and fall will settle in. Fall Activities, Halloween (My favorite time of the year!) , and soon enough before we know it winter will be knocking on our door.

Once thing this time of year brings is planning for our Annual Booster Night! After not being able to have it last year, we are excited to bring it back this year and get everyone together for this fun, successful event! Details are coming very soon as we are looking for Sponsorships, Sponsorship opportunities will be sent out soon. Booster Night Will be Casino Night and at LaVilla once again. If you want to secure your sponsorship spot even before info goes out, please reach out to me.

In person meetings are back in full swing and I look forward to seeing everyone as well as hopefully some new faces soon.

Remember Affiliate Members, I am your voice to the ASPE Board, if you have questions, concerns, comments, anything.. Please reach out to me and I can bring your feedback to the ASPE Board.

See everyone soon!

Darren Rich

Chicago Chapter Vice President, Affiliate

P# 847.421.0053 aspe.chicago.vpaff@gmail.com



ADMINISTRATIVE SECRETARY

Greetings Members,

Happy October, I hope everyone is enjoying their Pumpkin spice and Apple desserts for the next couple of weeks. Thank you to everyone who was able to make it out to last months ASPE meeting, It was a great presentation by Chris W from Bornquist.

If you are an AYP Member, be on the look out for an email from Rob this month.

I will be MIA nearing the end of the month as I have a new little addition coming to my family. If you need anything at all please don't hesitate to reach out, it might just take a little longer than normal.

Stay warm and Enjoy the changing of the colors!

Sincerely,

Phil Traynor, HSA

Chicago Chapter Administrative Secretary

aspe.chicago.admsec@gmail.com



CHAPTER HISTORIAN

Greetings fellow ASPE Chicago folks. Every once in a while it is good to look back at our roots and get a new perspective.

Here is some of our history:

- ASPE Chicago was formed in 1969, there were 25 Charter members and 48 member within the first year.
 - The only remaining Charter member is Father Al who was with us for our 50 year celebration. (Yes, he is a Plumbing Engineer who found a higher calling).
- By the year 1979 the Chapter had more than doubled in size and was up to 118.
- Over the years our membership has fluctuated, following the good times and the "lean times". We maxed out just short of 400 members @ year 2002 and currently have 247, the 2nd largest in the Society.
- For many, many years all of our meetings were held at Zum Deutschen Eck Restaurant which was on Southport near Lincoln Ave. in Chicago. It wasn't a bad location since everyone worked downtown.
 - Many good times were had there. The food was awesome and the Owner Al Wirth always took care of his ASPE friends.
 - Al got older and Zum closed in 2000 to make way for condos. Zum is lost but not forgotten.
- We now have a floating meeting location. This allows us to bring meetings closer to our members that work out in the suburbs (and from home).

That is enough for now. Thanks for letting me do a little reminiscing.

Take Care!

Joe Ficek

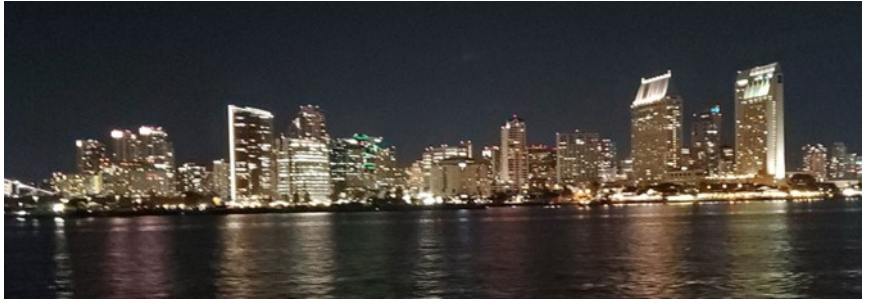
Chicago Chapter Historian

jficek@grummanbutkus.com

2021 ASPE TECH SYMPOSIUM EXPERIENCE

San Diego, CA – Hot and sunny September weather brought about the ASPE Symposium this year. I, as the current president of the Chicago Chapter, carry with me the weight of the mighty legends who have come before me as prior leaders of the Chicago contingent.

This was my second symposium experience. The first only two years ago in Pittsburgh. San Diego is a lovely city with palm trees aligning most streets. The airport is right near the center of downtown where you land right off the bay. The hotel ASPE chose this year was not as close to the busier parts of the city which made for some travel navigations and a heavy use of Uber or the public train system to get places. Oh, and the mountains are so close. I arrived on a Wednesday afternoon so I could take in the pre-symposium evening boat tour hosted by QuantumFlo.



After the hosted event, the following day was scheduled for the Society board meetings all day and in the afternoon, the first day of the product show. So to take advantage of the free time, Jeff Gallagher, Chris Rohan, Justin Wroblewski and I decided to hit the links. Justin found this hidden gem, Mt. Woodson, in the mountains just north of the city. When you play a course with some ominously posted signage, you tend to not want to stray off course. Fortunately, we all stayed mostly on the playable surface. The area had scenic views, required some skilled driving (in and out of the golf cart), and the departing sun when we finished was glorious. The following day we got down to business. The day started with the second day of the product show where there was a great selection of manufacturer booths to explore. ASPE has recently added a product show to the technical symposiums, and I feel that they are an added bonus to the educational portion. Next were 2 sessions to start on Friday, 4 more on Saturday and 2 more on Sunday. Each session offered 1.5 CEUs for a total opportunity of 12 CEUs. For those with a CPD that would cover half of what you need for your 2-year renewal cycle in just 3 days. Many people do schedule flights out early in the day and sometimes miss out on the final sessions. I stayed an extra day, and I am so glad that I did. James Dipping, Chicago local engineer at ESD, was in the unfortunate time slot of last presentation on Sunday. Those that left early missed out on what I felt was the best presentation of the weekend. But guess what, he is local, and we may be able to twist his arm to present for the chapter too. If he does present for the chapter, do whatever you can to make the date. It's a presentation that is pertinent to the times and relevant to your designs.



Technical Symposium years the Chicago Board hosts a dinner party on Saturday for any Chicago native. This year we had to compete with the AYP event and the Society dinner so our full Chapter representation could not meet up. However, the 6 of us who were able, enjoyed a wonderful dinner at one of the local hot spots, Café Coyote. Located in Old Town, nestled between a number of Mexican themed shops and stores. We enjoyed the local festivities, food, and flavored beverages (some with salt) to celebrate the night. We even got a taste of the local music scene. If anyone ever has the chance to attend a symposium or convention, be sure to reach out to the chapter president and get in on the hosted dinner. It is always an enticing time. As we ended the symposium for 2021, we want to thank ASPE Society, the Education Committee and San Diego for the amazing experiences, wonderful memories, rekindled friendships, and educational knowledge.

THE 2021 ASPE TECH SYMPOSIUM IS NOW CLOSED!

Scott Jagodzinski, GPD, CPD
Chicago Chapter President
aspe.chicago.president@gmail.com



2021 ASPE TECH SYMPOSIUM EXPERIENCE

Hello all! Writing an article for you for the first time as a national Board member. It's weird. I have a new font and a new outlook. Without seeing other Tech Symposium review articles in this newsletter, I will do my best to NOT duplicate what others said.

Have you ever served on an organization's Board of Directors? It changes a person! The experiences of enjoying yourself, learning, and meeting friends both old and new at events are still there. But the field of vision expands greatly. Let me share some of the things I thought or said at the Tech Symposium just to give you an idea.

- I am going to just do dinner here as this may be my last chance to get a good night's sleep. No, really - if I can get a good night's sleep going into this, I can start out at 100% tomorrow morning. I owe you!
- I got candy at the airport for the Membership Committee meeting. But.... no one knows I got it; so, I will run to my room at lunch so we have them this afternoon. Don't tell anybody!
- I'll be back in time for the Product Show. We have to be on the floor the *whole* time??
- Thanks so much for being here.
- Thank you for your support of ASPE.
- Sorry I can't go with the Chapter. I have somewhere I have to be.
- Said to ASPE Staff: Wow! I have a whole new level of appreciation of what you guys do. Thank you for all you are doing to make this Symposium amazing and for helping me not have to think!
- Where do I need to be and when?
- Hi, my name is Jason McDonald. I am Society VP Membership. Welcome to this seminar. If you have a PE license from New York or North Carolina, please let us know so we can get you the CEU form.
- I am exhausted.
- What? I have nowhere to be?!?! Awesome! I am going to my room to take a nap.
- See you later.
- See you in January.
- See you at Indy next September.
- Safe travels.
- I'm ready to go home.
-

I was truly exhausted EVERY day! But it was worth it. I received several affirmations at the Symposium including:

- ◇ I still love ASPE even after being a member for more than 25 years.
- ◇ Society VPM is exactly where I need to be and where I want to be.
- ◇ I do what I do out of service to all of Society - every Region, every Chapter, and every single unique member.

If you have never attended a national ASPE event (Symposium or Convention), I highly recommend it. You don't necessarily have to be a Chapter or Society leader as that is not for everybody. But just by attending, the network that you can build with people across the US and Canada is amazing. There is so much to learn from each other and so much to be gained from the education. For you folks in Chicagoland, please give serious thought to going to the Convention in Indianapolis in September 2022. It's drivable. You owe it to yourself to go.

If you are an ASPE member and need to explain to your employer why it is important to remain a member or if you want to let a colleague know so they want to join ASPE, check out this link ([ASPE Member Benefits](#)). You have to log on to the website to view it.

If you are NOT an ASPE member, click this link as soon as possible ([Join ASPE](#)) and then shortly after you join, you too, can view the above link!

Jason McDonald, CPD

ASPE Society Vice President, Membership

ASPE Chicago Past President

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2021 ASPE TECH SYMPOSIUM EXPERIENCE

I came about to present because ESD encourages its employees, especially their technical leaders, to share their knowledge and be industry thought leaders. I presented at the ASPE Technical Symposium in 2013 and found it to be a rewarding experience. So, I decided to give it a try again.

ASPE had a call for presenters process that started in February of 2021. You were required to apply to be a speaker, by submitting a topic and short description of your learning objectives. Overall the selection process went well, and I was on my way to developing the finer points of my topic and ultimately developing my presentation.

A few weeks before the Symposium I was notified of my time slot, which happened to be the late time slot on Sunday morning. Because of this, the attendance at my session was about half of what I saw over the course of the weekend in the same room. The audience was great, a lot of familiar faces and good conversation, however I would have liked to have seen a better attendance as I felt I had a good topic to discuss. Overall, I would encourage ASPE to reconsider their schedule to avoid having attendees feel obligated to travel home the same day as presentations are scheduled.

For anyone looking to become a presenter, I would encourage you to think of topics that the industry needs more awareness on. Or think of side effects of common design practices that could create issues if not addressed correctly. For anyone who might have stage fright, remember the ASPE community is a very welcoming group that wants to see all of us succeed, not fail. So go for it!

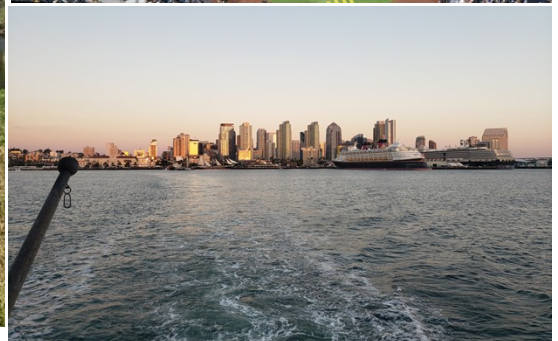
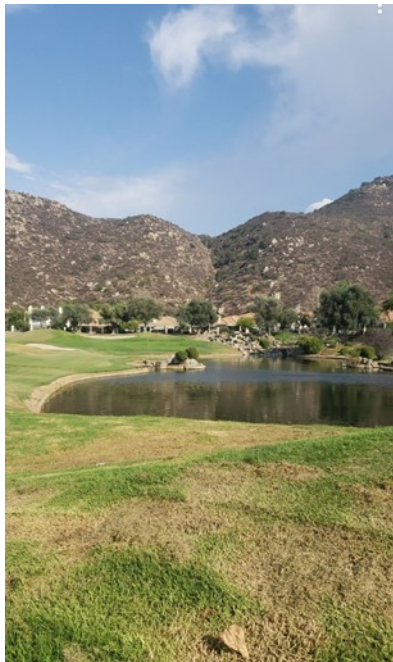
James Dipping

Environmental Systems Design, Inc.

JDipping@esdglobal.com

The technical symposium this year was overall a good experience and the reason that I say that was the location of the hotel relative to the downtown area was subpar. The upside to this was we were able to ride the train to get to the night life locations. There were some very good seminars this year that the product show was well attended. I think my favorite class that I attended Extending the Water Demand Calculator to Commercial & Institutional Building, during this class they brought up example of the calculator being used and the actual flow that is designed for using flow metering. This showed our sizing a whopping 40% oversized on most applications in single family homes. I am excited to see this calculator to be extended to more building applications and modifying the hunter's curve to today's applications.

Wednesday night QuantumFlo had an event on a Yacht that toured the bay where we got to eat and drink and mingle with other ASPE members which was a great time. During my free time I was able to squeeze in a round of golf and go see a Padres game with some of the Chicago members. For those of you that have not been to a convention or technical symposium I encourage you to attend and get to know some members from other chapters and develop stronger bonds with manufacturers as well as our Chicago board. I've attached some pictures that I took that I think you all would appreciate.



Justin Wroblewski, CPDT

Chicago Chapter Vice President, Membership / Ambassador

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aspe.chicago.ambassador@gmail.com / Jwroblewski@ams-

2021 ASPE TECH SYMPOSIUM EXPERIENCE

I was lucky enough to be selected to represent the Chicago ASPE Chapter at the 2021 ASPE Tech Symposium, and I was not disappointed! As a relatively recent member of ASPE, I was excited to get the chance to meet plumbing industry colleagues from other regions of the country and to absorb the knowledge from the many different industry sectors. The symposium first started with a product show and I was able to explore and learn about the many products offered in this industry. I was even able to try my hand at assembling PEX tubing fittings. After that there was a very pleasant outdoor space to enjoy lunch before the first symposium sessions began.

There was a great selection of symposium topics to choose from, and there were courses offered for plumbing engineers of all experience levels. This included topics like hydronic tank selection, fire stop installation methods, and fuel oil system design. We wrapped things up by having a Chicago ASPE Chapter dinner at a Mexican restaurant that was especially delicious. I want to thank the Chicago ASPE Chapter for providing me this great opportunity and I look forward to attending the 2022 Convention and Expo in Indianapolis next year!

John Pacholski, CPD

Environmental Systems Design, Inc.

JPacholski@esdglobal.com

My name is Emmanuel "Manny" Aguilar, and I was fortunate enough to attend the 2021 ASPE Tech Symposium. This is my first time attending an ASPE major event and I can say it won't be my last. I was able to network with passed coworkers/mentors and made new colleagues in the Plumbing/Fire Protection field.

Kicking off the week, I was able to attend the ASPE Young Professionals Leadership Academy which really provided insight on how to approach difficult situations and growth within a company from the trenches. I was also able to understand that there are different ways other colleagues can think to speak or speak to think. This is a vital communication port which can make or break a relationship with other engineers within a company. Overall, the ASPE Young Professionals Leadership Academy was a very interactive training class and would highly recommend to any young/new aspiring members!

The Tech symposium kicked into gear and shifted into a small product show (compared to convention product show) and very informative educational presentations. The product show was a great way to interact with reps from home and see new products that we normally do not see/use. I was also able to select sessions from a range of; copper being integral for us and is renewable, roof drain flow rate and how the data is being tested for a more efficient sized drain, water demand calculator is currently being tested in residential and I am curious as to how it can take on commercial buildings water supply/demand, designing booster pumps should be practiced more diligently and not be oversized "just in case", and the importance of new product for cast iron coatings with the harshness of acidic waste. This ASPE event had a family friendly feeling, and I received a nice San Diego themed shirt to go along with it. I also felt it placed me in a direction of one day assisting in our Chicago Chapter as a liaison whenever an opportunity presents itself.

Training/Classes Attended:

- ASPE Young Professionals Leadership Academy
- Copper A Key Element in Sustainable & Resilient Design
- Water Treatment for Commercial Humidification
- Applying Roof Drain Flow Rates in System Design
- Extending Water Demand Calculator to Commercial & Institutional Buildings
- Designing Booster Systems-ASPE Chapter 5 Method
- Cast Iron Coatings for Aggressive DWV Applications

Didn't get many pictures, as I chose to soak it all in and be in the moment. However, I did get to meet Francisco DeHoyos who used to be the senior plumbing engineer at my current employer (Wight & Co). Justin Wroblewski (whom isn't pictured) introduced me to plumbing and it was pretty cool to learn that Francisco was Justin's mentor when they were both at Wight & Co.

Emmanuel Aguilar

Wight & Co

eaquilar@wightco.com, 630.739.7271



2021 ASPE TECH SYMPOSIUM EXPERIENCE

After the ASPE Convention & Expo in New Orleans was cancelled last year due to COVID, I was really looking forward to getting out to San Diego for the 2021 ASPE Tech Symposium, which ended up being the best attended symposium yet! That is incredible considering the circumstances and the number of people I knew that were not going to attend this year.

First off, thank you very much to our membership, especially our affiliates, who make these trips possible! I have never attended a convention, but after attending three symposiums, I would have to believe that these events are a bit more laid back than a typical convention environment. That's not to say we did not stay busy, as I know I did, but at a comfortable pace. The symposium is a great event for both education and networking with fellow engineers and vendors, as there was an 8-hour long product show that stretched across 2-days.

I attended the Legislative Committee and Building Standards Committee Meetings. The Legislative Committee meeting was held outside under the palm trees thanks to a brilliant decision by the Society VP Legislative, Brianne Hall. Prior to the meeting, I was asked by Ramiro Mata, the ASPE Director of Technical & Regulatory Affairs, to briefly discuss the code efforts in the City of Chicago and how ASPE has assisted our Chapter and the Building Department with those efforts to help encourage other chapters to do the same. This was a nervous, yet proud moment, seeing the Chicago Chapter be used as an example of how to build relationships with the local authorities and allow ASPE to have an influence on developing the local codes. Thank you to everyone that has assisted in this effort!

There were many great technical sessions to choose from, making it hard to choose when some sessions overlap. Some of my favorites involved a 2-part firestopping session and roof drain flow rates and design. Unfortunately, I had to miss the late morning session on Sunday due to a flight conflict, but I heard that our own James Dipping had a great presentation on hot water system design that I cannot wait to see in January. I think it is great that all the slideshow presentations are available for download by attendees even if you were unable to attend a session, allowing attendees to at least get some benefit from other presentations.

When I was not attending committee meetings or technical sessions, I know I enjoyed socializing with other attendees and being treated to some great meals. I was fortunate to be able to attend a sponsored 3-hour boat cruise out in the San Diego harbor at dusk, which provided great views of the city. Some of us managed to squeeze in a round of golf at a very scenic course (that ate a lot of balls), and witnessed a complete game shut-out against the Padres by the Braves while attending a game at Petco Park. We had a great Chicago Chapter dinner at a local Mexican restaurant that had plenty of laughs and included being serenaded by a mariachi band. Special thanks to Jeff Gallagher, our personal "Uber" driver when we weren't using the train to get around. Let's just say that whoever called shotgun, was a lucky person!

Thank you again for the opportunity to attend the 2021 Technical Symposium! Please consider joining us in Seattle for the next symposium in 2023!



Chris Rohan, CPD
Chicago Chapter Vice President, Technical
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2021 ASPE TECH SYMPOSIUM EXPERIENCE





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ORDER YOUR ASPE CHICAGO BADGE!

Are you tired of being the only one at the meeting without a fancy ASPE Chicago name badge? Do you want to update your badge so it has your new name or company?

The Chicago Chapter is proud to offer once again our badge promotion!



Costs:

Badges: \$15
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Make checks payable to "ASPE Chicago Chapter" and either drop off your check at one of the Chapter Meetings or mail it to:

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This promotion is for ASPE Chicago members only!

CORRESPONDING SECRETARY: INDUSTRY NEWS

Welcome OCTOBER! Time to roll out the Pumpkin Spice if that's what you're into. It was AWESOME seeing those of you that could make it to the Golf Outing...good times! Westwood for dinner was a good time as always too...looking forward to seeing you all this coming meeting at Venuti's

I would also like to mention that ASPE CHICAGO has now joined Social Media!! please feel free to send over pictures you have of some jobs you are working on, and pictures from the golf outing or other ASPE events you may have at ASPE.chicago.social@gmail.com

Follow us on:   

Please see below a number of different opportunities around our community that would benefit those of you who chose to invest your time.

American Society of Sanitary Engineering (ASSE)

<https://www.asse-plumbing.org/asse/membership/illinois>

Local Union 130 U.A. and American Society of Sanitary Engineering will hold a Product Show this year.
Nov. 9th, 2021 at the Chicago Campus 1400 W. Washington Blvd, Chicago, IL 60607

American Institute of Architects (AIA)

Eastern Illinois Chapter

Casino Night

Date: October 21st

Time: 5:30pm-9pm

INFO: <https://aiaaic.org/meetinginfo.php?id=70>

Illinois Chapter of ASHRAE

<https://illinoisashrae.org/>

Chapter Meeting

Currently only Chapter membership meetings

Illinois Association of Plumbing-Heating-Cooling Contractors (ILPHCC)

Contractors can register for CEUs here

<https://www.ilphcc.com/>

National Fire Protection Association (NFPA)

Event List: <https://www.nfpa.org/Training-and-Events/Resources/Events-calendar>

Society of Fire Protection Engineers (SFPE)

Upcoming October Event <http://www.chicagosfpe.org/events/>

Illinois Rural Water Association (IRWA)

16th Annual Northern Conference

October 12 & 13th 2021

Radisson Hotel & Conference Center Rockford, IL

200 South Bell School Road. Rockford, IL 61108

<http://www.ilrwa.org/N%20Conf.html>

National Rural Water Association (NRWA)

No Events in Chicagoland Area

https://nrwa.org/annual_events/

American Water Works Association (AWWA)

No Events in Chicagoland Area

<https://www.awwa.org/>

Water Environment Federation (WEF) Illinois Chapter

Upcoming October Events

https://www.memberleap.com/members/calendar6.php?org_id=IWEA&td=1633060800

Illinois Fire Prevention Association (IFPA)

1st Annual Fire Prevention Conference 2021

November 15th, 16th

Great Wolf Lodge Gurnee, IL

<https://ifpanet.org/wp-content/uploads/2021/07/NIFIA-Conference-flyer.pdf>

Healthcare Engineers Society of Northern Illinois (HESNI)

Calendar of Events

<https://ifpanet.org/product-show/>

USGBC - Illinois Chapter (LEED)

Calendar of Events

<https://illinoisgreenalliance.org/news-and-events/calendar/>

PCA (Plumbing Contractors Association of Chicago and Cook County)

<https://pcaofchicago.com/>

If there are any other organizations that you would like to stay current on, please send me an email and they will be added to the list for our next newsletter.

Eric Cottrell, Inland Sales Group

Chicago Chapter Corresponding Secretary

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