IGSHPA News

Keeping you in the Loop

Events At A Glance

June 19, 2024: Juneteenth Observation- IGSHPA offices closed
June 28, 2024: IGSHPA June Dig Deeper
July 24-26, 2024: AI Training with Jacquie Scherer- Troy NY

STAY UP TO DATE ON OUR UPCOMING EVENTS WITH OUR EVENTS PAGE ON OUR WEBSITE: https://igshpa.org/calendar/

Message from the Executive Director

As I mentioned in the April and May newsletters, I will be working on member reports over the summer for providing status updates on the many projects that are in the works that will promote the industry and add value to IGSHPA membership. Check out the new member portal. Once logged in, click on the Member Portal Resources button and click on the IGSHPA Member Reports link to view the latest reports. This month’s reports include an overview of IGSHPA training efforts as we move to a more modular program and an update on the next edition of the ANSI/CSA/IGSHPA C448 Design and Installation Standard for Ground Source Heat Pumps.

IGSHPA continues to look at ways to make IGSHPA membership more
valuable. Awareness is always a challenge in our industry. It continues to amaze me after 38 years that I still have some pretty basic conversations about ground source heat pumps. The good news is that IGSHPA members are really making a difference by spreading the word. To help members raise awareness about their products and services, we have made special arrangements with our marketing and social media company, MediaMark Spotlight to provide a discount to IGSHPA members of 15%! Plus, IGSHPA’s and GeoExchange’s graphic designer is available at a special IGSHPA member rate. Check out some of the latest brochures she has created for GeoExchange. For more information on both programs, check out the new member portal. Once logged in, click on the Member Portal Resources button and click on the Member Marketing Resources.

Finally, I want to thank IGSHPA members for your generous support so far this year. We had a record month for new and renewal business memberships in May and we already have quite a number of sponsors and exhibitors for the 2025 conference. Thank You! We could not continue our work or hold a successful conference without this support.

Stay cool this summer with the mild temperatures of the heat beneath our feet!

Sincerely,

Jeff Hammond
Executive Director
International Ground Source Heat Pump Association
jeff@igshpa.org

IGSHPA/GAOI Annual Conference 2025
Get Registered for our 2025 Conference!

Join us in Champaign, IL next March for our 2025 Annual Conference in collaboration with the Geothermal Alliance Of Illinois! Don't miss out on early bird pricing, and as always, if you are a GAOI or IGSHA member you get to register at a discount! Go here to get registered! Exhibitor information will be available soon.

We are now accepting abstracts!

Come share your knowledge and passion for the industry by presenting at one of our workshops. The conference committee will be reviewing abstracts to determine the number of tracks and topics and selecting speakers for the workshops. Submission deadline is November 27, 2024. IGSHPA will be contacting all speakers by January 17, 2025, with a response to submissions. Although we would like to be able to accept all submissions, we are limited by the amount of time slots and the complimentary nature of the topics with other speaker submissions. Therefore, not all submissions will be accepted as a workshop for the conference. We will keep your submission on file in case there may be another option for this topic (e.g., Town Halls, Dig Deeper webinars, etc.) with your permission.

Submit your abstract using this form.

2025 Sponsorship Opportunities NOW AVAILABLE!

Become a sponsor of our 2025 Conference in Champaign, Illinois! As an industry leader, you are actively shaping and influencing this industry. So, let’s work together on promoting geothermal and beneficial electrification. You and your brand will be seen by hundreds of attendees in varying industries with
opportunity to get feedback from top industry experts, get relationships started, generate leads, and create awareness for how great geothermal is. You can go here to see the various sponsorship opportunities available. To claim your sponsorship please email info@igshpa.org.

We would like to thank our conference sponsors, Carbon Solutions Group, Centennial Plastics, Climate Control Group, CoreChem, Enertech Global, Geo-Hydro Supply and WaterFurnace!

Thank You Conference Sponsors!

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Conference Hotel Room Block IS OPEN!

IGSHPA has contracted with the I Hotel, a LEED building, reserving the entire conference center. We have reserved a block of 90 rooms, which will sell out quickly so get your reservation in now! Once the block is full, additional hotel choices and room blocks near the conference center will be made available on our website. You can go to the 2025 conference page for more details about the hotel & conference center and to book your room.

Use group code IGSHPA25 and password auc4@ to access the special IGSHPA room block at $149 per night (plus taxes).

Nearby airports to fly into: Champaign Willard Airport, Springfield Airport, Decatur Airport, Bloomington Central Illinois Regional Airport, Peoria
International Airport, St. Louis Lambert International. Or, fly into one of the Chicago airports (O'Hare International, Midway) and take the "L" downtown to take an Amtrak train to Champaign.

ANSI/CSA/IGSHPA C448 Standard -- Next Edition is out for Public Review!

Since 1994 the IGSHPA Standards committee has continued to update the design and installation standards to provide the GSHP industry with the best guidelines for successful installations. In 2019 The IGSHPA board of directors voted to sunset the 2017 IGSHPA Design and Installation Standards when the next edition of the ANSI/CSA/IGSHPA C448 Design and Installation Standard for Ground Source Heat Pumps was published. The 2016 edition of the ANSI/CSA/IGSHPA C448 standard was the first bi-national (Canada-U.S.) standard; this next edition includes many updates as well as recommendations for changes to the bi-national standard from the IGSHPA Standards committee. Following are some of the updates to the new C448 Standard:

- New piping materials added;
- Removal of PVC as an acceptable inside piping material;
- New heat transfer solutions added;
- New section: Planning, design, installation, and commissioning of district energy systems;
- New section: Design and installation of ground source heat pump systems connected to energy foundations;
- New annex: Wastewater energy transfer systems design and installation;
- Major updates to the design and installation of groundwater heat pump systems;
- Major updates to the installation of standing column well heat pump systems;
- Updates to all sections with the latest technology and applications;
- Updates to definitions and terminology for consistency.

Public Review will run through August 6, 2024. To participate in public
review, please go to the [CSA Public Review System](#) and set up an account to review the standard. Once public review is complete the standard will go to ballot with CSA technical committee members. An ANSI review will follow. Then, final editing and publishing will occur. Publication date is scheduled for December 2024.

Once the new bi-national standard is published, the 2017 IGSHPA Standards will be removed from the website and any references to standards will be redirected to ANSI/CSA/IGSHPA C448. All new training programs, guidelines, and technical documents will reference C448. As an IGSHPA member, special pricing will be available for the purchase of C448.

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**Congratulations to Plastic Pipe Annual Project of The Year Winner, 1 Java Street project by Versaprofiles!**

IRVING, TX – May 29, 2024 – The Plastics Pipe Institute, Inc. (PPI), the major North American trade association representing the plastic pipe industry, has announced the winners of its Projects and Members of the Year for 2023. The awards were presented during the group’s annual worldwide meeting held in Florida, May 13–16, 2024 with 348 members attending, which included a record number of new members. Projects that won ranged from the largest residential project in New York State to use a geothermal heat-pump system to constructing a fish habitat with HDPE conduit made from recycled content. “This year there were a very diverse group of projects submitted,” stated PPI President, David M. Fink. “It is amazing the vast variety of innovative undertakings that can be accomplished with our members’ products in addition to those helping to improve our nation’s infrastructure. “It was very gratifying to see that there were 70 first time attendees at this meeting. Our previous recorded was 15. We attribute this growth to the programs led by our staff and members that support many industries. And it’s simple to understand: people want to be part of a successful, viable and altruistic organization.” Each year the PPI membership reviews and votes on
The 1 Java Street project is the largest mixed-use development in New York State to incorporate a ground source geothermal system for heating and cooling. When completed in 2025, there will be more than 800 residential apartments plus retail spaces in the revitalized city block of Brooklyn waterfront property. The geothermal system included 321 vertical boreholes drilled 499 feet into the ground, spaced 15 feet apart with a 1 ¼ inch diameter high-density polyethylene (HDPE) PE4710 pipe inserted into each. A total of 326,000 feet was used in the boreholes with another 31,000 feet of HDPE pipe in various diameters used for lateral distribution. Manufacturer of the pipe, Versaprofiles, received the
Project of the Year Award from the Building and Construction Division of the Plastics Pipe Institute, Inc.

PPI President, David Fink (left) congratulates Jean-François Lavoie and Phillippe Côté of Versaprofiles on winning the Project of the Year for the Building & Construction Division of the association.

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**Member Benefit Update!**

**Special Rates on Marketing Services & Graphic Design Work for IGSHPA Members!**

We are excited to announce that IGSHPA members can receive special discounted pricing for marketing services from our marketing group, MediaMark Spotlight!
Let their Creative Pod team help get your brand out in front of new and potential customers. You will work directly with a dedicated team and have access to all of their specialized services such as: Brand Strategy, Business Development, Video Production, Content Writing, SEO Research, Graphic Design and Social Media. MediaMark is offering a 15% discount to IGSHPA members, reach out to Gina Ferraro for more information on working with their Creative Pod Marketing Program.

But Wait, There's More!

IGSHPA is also happy to announce that Angela Vories, GeoExchange's and IGSHPA's graphic artist, is accepting new clients and offering her services at a discounted rate for IGSHPA members!
Angela has collaborated with a wide range of clients, including B2B and B2C companies, entrepreneurs, non-profits, and artists. Her expertise extends beyond just layout; she knows how to capture the essence of a brand. One of her recent achievements was the design, layout of exhibitor and sponsor brochures for the 2025 IGSHPA/GAOI conference. Angela also created the layout and production of IGSHPA’s 2023 Conference and Expo Program Guide. It was a monumental task that required careful attention to detail and an understanding of the organization’s vision. She is currently working with GeoExchange on new marketing materials and brochures.

If you’re searching for a Graphic Designer who can bring your vision to life and elevate your brand to new heights, look no further. Angela is ready to take on new projects and create impactful designs. Contact Angela to find out more about how she can help elevate your brand through graphic design!

New Databases on IGSHPA.ORG

IGSHPA is excited to announce the launch of our new and extensive
**Licensing & CEU Requirements database** covering all U.S. States and Canada’s provinces. This database will detail the licensing and Continuing Education Unit (CEU) requirements for Drillers and HVAC professionals. Our goal is to create a comprehensive, one-stop resource for the geothermal heat pump industry.

We are so excited to offer this new resource for our members but, **WE NEED YOUR HELP** “filling in the blanks”. If we’re going to grow as an industry, we have a responsibility to provide new designers/engineers, HVAC contractors and excavators/drillers with a resource to learn how to become a reputable designer/installer of the technology. So, if you are familiar with your state or province’s requirements, please help us by filling out this form and submitting it to our IGSHPA team. Your input will be invaluable in ensuring the accuracy and completeness of our database.

We also recently announced the launch of our new **Commercial & Residential Geothermal Projects Database**, a valuable addition for our community and industry. This comprehensive resource offers detailed information on ground source heat pump installations and projects, supporting industry professionals with an extensive range of case studies and performance data. Explore the database to access detailed information on both commercial (hospitals, banks, office buildings, fire stations, etc.) and residential geothermal projects or submit your residential or commercial project. Visit the **Geothermal Project Database** on our website to explore this powerful tool and stay at the forefront of geothermal innovation!

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**June Dig Deeper**
Join us on June 28, 2024 at 10:30 CT for our Dig Deeper Webinar with Lance MacNevin, Director of Engineering for the Building & Construction Division at the Plastics Pipe Institute (PPI). In this webinar Lance will be speaking on **New PPI Model Specification for Piping Materials for Geothermal Systems.**

Register here.

In May 2023, The Plastics Pipe Institute (PPI) published a new Model Specification for "Plastic Piping Materials for Ground Source Geothermal Applications". PPI MS-7 applies to plastic piping materials for open- and closed-loop, horizontal and vertical, direct-buried, and submerged water-based ground-source geothermal heat exchange systems. It includes detailed specifications for four plastic piping materials which have been proven for use in ground source heat exchange systems: HDPE, PE-RT, PEX, and PP (PP-R & PP-RCT). The model specification provides language related to pipe and tubing materials, fittings, and joining procedures. Installation and pressure testing recommendations are also provided. This publication is intended for use as a guide to support designers and specifiers of ground source geothermal heat exchange systems, and this presentation will explain the contents of PPI MS-
7 and how it can be used to save time when specifying ground source piping systems, while ensuring the requirements are current and correct.

Lance is the Director of Engineering for the Building & Construction Division at the Plastics Pipe Institute (PPI). He has been in the plastic pipe industry since 1993, involved with applications such as hydronic heating and cooling, geothermal, plumbing, and fire protection systems.

Lance earned his IGSHPA accreditation in 2008 and has been closely involved with the geothermal industry ever since, with a focus on the piping materials used for ground loops. He serves on technical committees within ASHRAE, ASPE, ASTM, AWWA, CSA, IAPMO, ICC, IGSHPA, and RPA, with a focus on codes, standards, and training. He is Chair of the Piping Task Force for the next version of ANSI/CSA/IGSHPA C448.

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**Upcoming Events**

**July 24-26, 2024: Accredited Installer Training with Jacquie Scherer**

Get your Accredited Installer certification with one of IGSHPA's Certified Trainers!

This in person AI course will be held in Troy, NY at Energy Catalyst Technologies. Cost Varies depending on materials. Please note that class size is limited. Once the roster is full, registrants will be placed on waitlist. [Go here to register.](#)

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**Our mailing address is:**

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Springfield, IL 62701-1469