Message from the Executive Director

Welcome to the March edition of the IGSHPA News!

Spring is a great time to ensure that your IGSHPA membership and certifications are up to date. As we make progress on our new member portal and membership directories (more news coming soon!), the new CRM (Customer Relations Management) software is set up to only display current memberships. The IGSHPA directory is an important resource for companies and individuals looking for qualified installers and designers. You will soon be able to provide a listing of products and services that you offer that will be searchable in the new directory. Please contact us at info@igshpa.org with any membership/certification questions.
IGSHPA committees are “digging in”! At the end of February the advocacy committee met for the first time. Thanks to Bill Martin, President of CaliforniaGeo for transferring The Geoexchange to the IGSHPA advocacy committee. The first meeting was well attended and has resulted in members already working together, sharing information with other state and provincial organizations. If your state or province does not have a geothermal association, we would love to connect you to members who can provide guidance.

The IGSHPA training committee met in March to start the process of implementing the new training plan approved by the IGSHPA Board of Directors. One of the first tasks will be working with members to break up into subcommittees to start working on the first two modular training courses that will be targeted at specific skill sets (heat pump installers, service techs, loop installers, residential designers, etc.). Stay tuned for more updates!

The IGSHPA marketing committee has been one of the most active committees, also meeting in March. Lots of exciting topics are being discussed including IGSHPA membership levels and opportunities to help promote the technology by working with members on new content for social media, websites, and more!

Happy Spring!

Sincerely,
Jeff Hammond
Executive Director
jeff@igshpa.org
International Ground Source Heat Pump Association
Countdown to the Annual Conference!

Keep an eye on your Inbox for updates on the IGSHPA Annual Conference. December may seem like a long time away, but you'll want to start planning now to get the best pricing/location on hotel reservations and to block out your calendar for this event. The call for speakers e-mail went out last week. If you missed it, click on the purple button ("Submit a Speaker Abstract Here") at https://igshpa.org/conference2022/.

Here's a checklist to prepare for the conference ...

- Register for the conference at https://igshpa.org/conference2022/.
- Make your hotel reservations at https://igshpa.org/conference2022/.
  IGSHPA is partnering with NGWA (National Groundwater Association) again this year. NGWA has secured special pricing at the Westgate hotel, which has a walkway to the convention center. Plus, it has a Monorail station if you want to visit The Las Vegas Strip.
- Register as an exhibitor at https://igshpa.org/conference2022/. Booth space in the IGSHPA pavilion is limited. Check out the exhibitors that have already reserved booth space at https://ngwa.confex.com/ngwa/gw22/exhibitorboothmap.cgi?time=123456789. The IGSHPA Pavilion is right at the entrance to the exhibit hall.

See you in Las Vegas in December!
Renewals are happening now! **IGSHPA is no longer waving CEU’s for certification renewals.** Use our Square Site to submit your CEUs and get your membership & certifications renewed here: igshpa.square.site Please contact us at info@igshpa.org if you have any questions.

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**UPDATE from GeoExchange**

Russian President Vladimir Putin’s invasion of Ukraine has rightly provoked horror and outrage throughout the global community, but it has also galvanized a strong sense of purpose and a renewed focus on energy independence. Europeans are already taking steps to accelerate their push toward heat pumps and here in the U.S. we are seeing similar activity at the federal level.

The U.S. Department of Energy and the White House are taking an “all hands on deck” approach to decarbonization and energy resiliency and we are sure to witness initiatives coming forth in the near future that have the potential to greatly benefit the geothermal heat pump industry.

New Mexico Senator Martin Heinrich, a founding member of Congress’ Electrification Caucus, recently made an inspiring call to ramp up heat pump production and electrify both European and U.S. homes. You can read his full remarks [here](#).

As Sen. Heinrich and others in Congress are calling for widespread adoption of heat pumps, negotiations on a reconciliation package that will include long-term extensions of geothermal heat pump tax credits continue to take place behind the scenes on Capitol Hill. We continue to keep the pressure on lawmakers and joined this week with our ITC Coalition partners to finalize a letter to Congressional leadership with 100 clean energy manufacturing companies as


signatories. After Congress returns from its August recess, the hope is that they start moving the reconciliation bill in earnest. Stay tuned as things develop.

In other news, the Atlantic Council Global Energy Center released a report this week on the potential of geothermal technologies across the entire spectrum of technologies, from high-temperature energy production to low-temp geothermal heat pumps. GeoExchange was a contributor to this report and you can find it here and see the kick-off webinar unveiling it here. Kathy Hannun, co-founder of Dandelion Energy, gave some exceptional remarks on the role of geothermal heat pumps in our electrified future; the panel is well worth your time.

Finally, the preeminent technology publication, WIRED, did a story on heat pumps this week. Unlike many mainstream news stories on heat pumps, WIRED actually had the insight to include geothermal heat pumps in the article and included a quote from yours truly. You can read the whole thing here.

As always, if you have questions about anything mentioned above, don’t hesitate to reach out at ryan@geoexchange.org. Onward and upward!!

IGSHPA and GeoExchange attend Illinois Geothermal Conference

IGSHPA Executive Director Jeff Hammond and GeoExchange President Ryan Dougherty attended the Annual Conference and Expo of the Geothermal Alliance of Illinois, held in Bloomington, Illinois on March 8th and 9th.

The conference had a great turnout and professionals and practitioners from across the Midwest came to hear a wide range of breakout sessions and keynote speeches.

A leadership panel featuring executives from Bosch, ClimateMaster, WaterFurnace and Enertech Global closed out the first day. Enertech founder Steve Smith was recognized with an award for his many years of contributions to the geothermal industry. The event was closed out on the second day with speeches from Jeff and Ryan who updated the attendees on trends and activities throughout the industry and at their respective associations. Some
photos from the event are below and we’re looking forward to seeing everyone again March 14-15, 2023 in Peoria for the next GAOI conference!
IGSHPA Virtual Town Halls

Last month we were joined by Charles Goulding of Energy Tax Savers who spoke to us about Tax incentives; What do they mean and how do they work? You can watch his presentation go to our YouTube channel [here](#). To view Charles's slide presentation go [here](#).
On April 13, 2022 Jeffrey D. Spitler, PhD, PE will be speaking to us on the ASHRAE HQ Building Technology Report (Geo vs. VRF).

A research team studied the relative performance of the GHP and VRF systems, determining energy consumption of each, and heating and cooling required by the building. The study of heating and cooling performance at the ASHRAE Building proves that over a two-year period—when all variables were accounted for—energy use by the geothermal system averaged 44% less than the VRF system. In heating, the geothermal system was 65% more efficient, and in cooling, it was 70% more efficient.

Dr. Spitler is Regents Professor of mechanical engineering at Oklahoma State University where he holds the OG&E Energy Technology Chair. He has 30 years of experience researching ground source heat pump systems, with the results published in over 120 technical papers. He is a Fellow of ASHRAE and IBPSA, and currently serves as Editor-in-Chief of the journal Science and Technology for the Built Environment.

To register for this upcoming Town Hall go here.

Please submit recommendations for topics that you would like to learn more about or an abstract of a topic that you would like to present to info@igspha.org.

ClimateMaster Provides Customers with New IGSHPA Membership Benefit
ClimateMaster has announced a new benefit in their advertising co-op program
for distributors and dealers. Most heat pump manufacturers have a cooperative advertising program, where the manufacturer, distributor, and dealer split the cost of advertising to increase the dealer's marketing dollars and market reach. However, ClimateMaster has taken their program to the next level by offering **100% co-op funds for IGSHPA membership**. The change means that ClimateMaster distributors and dealers can get 100% reimbursement for IGSHPA membership. According to Joe Parsons, Sr. Product Manager at ClimateMaster, IGSHPA membership is one of a limited number of expenditures that provide extreme value to their distributors and dealers such as training lab equipment, demonstration units, and service tools. Thank you, ClimateMaster!

Timing is excellent for this new benefit as IGSHPA business memberships will include a much more comprehensive directory search including services and products offered very soon. A new member portal will allow business members to update their profile for better search results. Now is the time to join IGSHPA as a business member.

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**More News & Events**

**April 4 - June 6, 2022**  Mondays@ 12:00 pm -1:30 pm ET : Online Certified GeoExchange Designer Course with Ed Lohrenz
To register for this course please go to [https://www.geoptimize.ca/cgd-courses-online.html](https://www.geoptimize.ca/cgd-courses-online.html)

**April 13, 2022 @ 11:30 ET : IGSHPA Virtual Town Hall** (ASHRAE Building Technology Report)  Register [here](#).

**April 22, 2022 @ 11:30 ET : IGSHPA Dig Deeper Webinar with Mike Walters of Salas O'Brien**- Scaling Up: The impact of ground source heat pump systems in district energy applications. Register [here](#).

**April 27 & 28, 2022- NY GEO Annual Conference:** All paid registrations from the 2020/2021 conference will carry forward to NY-GEO 2022. Go [here](#) for more info or email nygeoinfo@gmail.com with any questions.
May 11, 2022 @ 11:30 ET : IGSHPA Virtual Town Hall (Session 1 of Two-Part Series- Residential Geothermal Application: How does it compare to Conventional? Tech Portion) Register here.

June 8, 2022 @ 11:30 ET : IGSHPA Virtual Town Hall (Session 2 of Two-Part Series- Residential Geothermal Application: How does it compare to Conventional? Sales/Pricing portion) Register here.

New Benefit for Corporate Members
A new link was added to the top of the IGSHPA website (https://igshpa.org), “Job Board Listings”. As an added benefit to corporate members, job postings may be submitted to the Job Board for viewing on the IGSHPA website. Anyone may access the job board, but only corporate members may post. In this difficult time of finding good employees, we hope that this new benefit will help bring quality candidates to members’ organizations. Please let us know how this new service is working and provide any feedback to make it better.

Current Job Postings

Executive Director

NY-GEO has begun a search for a new Executive Director. See the job description here.

NY-GEO members are urged to spread the word far and wide. Any members interested in serving on the search committee, and any candidates interested in the position or stakeholders who want to suggest candidates for the position
Engineer

https://bostongovernmentservices.applytojob.com/apply/F1NsZyMHZP/Geothermal-Low-Temp-Project-MonitorEngineer?referrer=20220124183615BY16LPZ27P3QG0ZW

Job Posting Ends 03/31/2021

This position is located in either Golden, CO or Washington, DC

The Geothermal Low Temp Project Monitor/Engineer will support the Department of Energy (DOE) office of Energy Efficiency and Renewable Energy (EERE).
This position will directly support projects in the Geothermal Technologies Office (GTO) in scientific, engineering, and technical analyses. The position will primarily support GTO's Low Temperature and Coproduced Resources portfolio.

Job Location(s):
Colorado

Contact: Gary Worrell, gworrell@bgs-llc.com, 15093922665, https://www.bgs-llc.com/

Boston Government Services: 105 Mitchel Rd., Oak Ridge, TN, 37830, United States
ANSI/CSA/IGSHPA C448 Standard Now Available for Free View Access

The ANSI/CSA/IGSHPA C448 Standard for the Design and Installation of Ground Source Heat Pump Systems for Commercial and Residential Buildings is now available for free viewing access at https://community.csagroup.org/docs/DOC-146037. Simply create a free account on CSA Communities to view the latest standard. It may still be downloaded as PDF on the IGSHPA website at https://igshpa.org/standards/ for $100 (IGSHPA member cost) or the hard copy may be purchased at the CSA website for $155 if desired.

Updates to the Residential/Light Commercial Design and Installation Manual

A number of updates have been made to the IGSHPA Residential and Light Commercial Design and Installation Manual. By the end of the week, you will be able to download the PDF for printing so that you can include the updated pages in your manual at https://igshpa.org/manuals/. IGSHPA is reviewing all of our materials, looking for updates, corrections, and improvements. Let us know if you see any additional updates that need to be made.
The purpose of the geothermal heat pump industry is to promote a sustainable and decarbonized future across the globe through the adoption of geothermal as the cleanest, most efficient heating and cooling technology.

The mission of the geothermal heat pump industry is to promote a unified effort to encourage the adoption of geothermal by increasing understanding, awareness and adoption through:

- Federal & State government advocacy
- Utility & Electric Co-op engagement (including incentives)
- “Voice of the Industry” Consumer awareness through marketing tools & campaigns
  - Resource for relevant data and information to government agencies
- Utility engagement
- Workforce development
- Promotion of the technology to the market
- State association support
- Promote decarbonization through geothermal
- Industry partnerships
- Provide technical forum
- Grassroots advocacy
- Training & Certification
- Industry Standards & Specifications
- Basic thermal energy education to the market
- Research & Development opportunities
- Provide professional continuing education

At the February 2021 Town Hall meeting, the IGSHPA Board presented a working version of its joint Vision and Mission Statement with GeoExchange. If you have thoughts or comments on this statement, please reach out, we would love to get your input.