Events

Oct. 28, 2021 @ 11:00am-2:00pm CT: California Geo GSHP Design Course
Nov. 4, 2021 @ 11:00am-2:00pm CT: California Geo GSHP Design Course
Nov. 5, 2021 EARLY BIRD DISCOUNT FOR CONFERENCE REGISTRATION ENDS

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

Message from the Executive Director

In my fourth week on the job as Executive Director, I wanted to reach out to members to introduce myself to those who don’t already know me and to update you about what’s going on with IGSHPA (there is a lot going on!).

I will start off with a quick introduction … I’ve been in the industry since 1986, starting part time in the testing lab for a GSHP manufacturer when I was attending engineering classes. That’s all it took to
get me “hooked” on geo! I have a degree in Electrical Engineering Technology from Purdue University and a degree in Business Administration from the University of St. Francis. I’ve spent nearly all my working life in the geo industry, with companies such as ClimateMaster, Enertech, Geo-Flo, and WaterFurnace. This is my first opportunity to work for a non-profit, but I have worked with non-profits a lot over the years, including my current term as chair of the ANSI/CSA/IGSHPA C448 Ground Source Heat Pump Standard.

As Executive Director, I look forward to working with members on training, industry events, promotion of the technology, and other areas that benefit members and the industry. I am committed to broadening IGSHPA’s horizon, working with other organizations to help ensure as much as possible that IGSHPA is involved in new standards, regulations, and initiatives that move the industry forward. We need to all pull together to promote geothermal, knowing that our solution is unquestionably the best technology for beneficial electrification and carbon reduction. I am currently working on a plan of action/organization goals to provide to members before the annual conference in December. I welcome any input or recommendations.

Enough about me! Let’s talk about what’s happening with IGSHPA. The rest of this newsletter will provide updates on the great things we are seeing in our industry. Thank you!

Sincerely,
Jeff Hammond
Executive Director
jeff@igshpa.org
International Ground Source Heat Pump Association
IGSHPA Conference Schedule Now Published!

Check out the conference schedule (https://igshpa.org/conference-2021-schedule/) just posted to the IGSHPA website! There are three tracks, residential, commercial, and driller, as well as panel discussions, a keynote presentation on large scale geothermal developments, a working group session on regulations/standards, time in the exhibit hall to learn about new products and services, and much more. This year’s conference is in partnership with NGWA (National Ground Water Association), which means even more exhibitors and opportunities to learn and network.

**Why attend this year’s conference?**

- Our workshops will focus on topics that are relevant to your business. Whether you are a contractor, engineer, developer, or anyone interested in geothermal, you will be able to learn about why geothermal is the best fit for your project, and even ways to finance the project too!
- Reconnect with industry professionals through networking and our exhibit
hall.

- Talk about how we can work together with drillers and other professionals. Partnering with NGWA brings us together with thousands of professionals in the industry.
- Gain insights on industry trends from the presentations, as well as from panelists and discussions in the exhibit hall.
- Discuss opportunities to work together with other organizations.
- Meet the IGSHPA board of directors.
- Meet IGSHPA’s new Executive Director, Jeff Hammond.

**Training Opportunities!**

In addition to the conference, there will be opportunities for three IGSHPA courses, leading up to the conference. The courses will be a hybrid approach, where the beginning coursework will be online, followed by the option to complete the course in person in Nashville or online. There will be three courses available:

**CGD** (Certified GeoExchange Designer – commercial applications) currently on-going held weekly *(Tuesday lunchtime for 10 weeks - 12:00 - 1:30 pm ET (11:00 am - 12:30 pm CT, 9:00 - 10:30 am PT) from October 19 - December 15, 2021)* info & registration [here](#)

**GGI** (Certified Geothermal Inspector) *(Wednesdays December 1, 8 & 15 from 9am-4:30pm CT)* info [here](#) & registration [here](#)

**AI** (Accredited Installer – residential/light commercial applications), **deadline to register 11/14 with the first live session on 11/15** info & registration [here](#)

In addition to these training opportunities we, in partnership with ISCO Industries, will be offering hands on fusion training at the 2021 IGSHPA conference at no additional cost to conference attendees! Small diameter socket and butt fusion training will be conducted on **Tuesday, December 14**, during the conference. Electrofusion demos will be held on **Wednesday, December 15**. Stuart Lyle of ISCO will be conducting the training and providing the electrofusion demos. Don’t miss out on this opportunity! Registration form [here](#).
**New course just announced**: There will be a preview of the CGD (Certified GeoExchange Designer) course, **Wednesday, December 15**. The 1-1/2 hours seminar will provide a quick overview of the class contents. Don’t miss this free course! Registration form [here](#).

See you in Nashville!

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**IGSHPA Virtual Town Halls**

IGSHPA 2021 Virtual Town Halls have been well received by members and have brought new members to the organization. We appreciate the efforts of the speakers and the great questions that have been asked. October was our last Town Hall of 2021. If you missed October’s Town Hall you can watch it on our YouTube channel here: [https://youtu.be/MN54Ijpjr1k](https://youtu.be/MN54Ijpjr1k) We will start back up in January with an exciting Town Hall with speaker Martin Luymes of HRAI (Heating, Refrigeration, and Air Conditioning Institute of Canada) on the Dunsky Report, a new study that highlights the unique advantages of geothermal technology to both building occupants and the electricity grid. Stay tuned for more details!
We are still putting together our schedule for 2022 Town Halls. 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@igshpa.org.

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**New Benefit for Corporate Members**

Just this week a new link was added to the top of the IGSHPA website ([https://igshpa.org](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.

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**IGSHPA Membership Renewals**

October 2021 renewals are happening now! IGSHPA is still waving CEU's for those renewing within 2 years of their expiration. Use our Square Site to get your membership and certifications renewed here: igshpa.square.site Please contact us at info@igshpa.org if you have any questions.
IGSHPA would like to highlight news and views from our friends and partners at state geothermal associations. This month, we are happy to provide an update from Pennsylvania Geothermal Heat Pump Association.

The Pennsylvania Geothermal Heat Pump Association (PA-Geo) was formed in 2019 and is the newest statewide geothermal trade association in the U.S. PA-Geo represents geo professionals throughout the Keystone State and has been steadily growing its membership and reach since inception. The group has become a go-to resource for information and is recognized as a leader in the state on behalf of the industry.

PA-Geo is closely affiliated with the Chester County Economic Development Council and has partnered with them to arrange training and other workforce development initiatives.

PA-Geo helped spearhead the recently completed inaugural World Geothermal Energy Day which sought to raise awareness of the range of geothermal technologies. For more information about PA-Geo, please visit their website at https://www.pa-geo.org/.

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More News & Events
California Geo-Ground Source Heat Pump Design Course for Building Professionals Module 2 – Design of Ground Source Heat Pump Systems
October 28 @ 11:00 am - 2:00 pm CT

GSHP Design is a 9-hour course (covered in three 3-hour modules) and is an update of last year’s course for Architects, Engineers, Designers, Contractors, Building Owners and
Developers, and those mechanical contractors who want to consider adding a geo-side to their business. The three modules can be purchased independently of one another or group-purchased at a discount. Participants will be given free design software that is used in the course.

Module 2: Design of Ground Source Heat Pump Systems

Thursday, October 28th 2021 (9am -to- Noon, PDT)

Thirteen-step design process, including instruction using provided software for Ground Heat Exchanger Sizing, Pump Calculations, AHRI test data corrections to design conditions, and more. Design for closed-loop vertical ground heat exchanger and closed-loop surface water heat exchanger connected to a commercial building. It is assumed that the attendee has gone through Module 1 or already has a basic understanding of GSHPs. Instructor Steve Kavanaugh.

Go to https://www.californiageo.org/ground-source-heat-pump-design-course-2-for-building-professionals/ for pricing and registration.

California Geo- Ground Source Heat Pump Design Course for Building Professionals Module 3 – Ground Source Heat Pumps: Special Topics

November 4 @ 11:00 am - 2:00 pm CT

GSHP Design is a 9-hour course (covered in three 3-hour modules) and is an update of last year’s course for Architects, Engineers, Designers, Contractors, Building Owners and Developers, and those mechanical contractors who want to consider adding a geo-side to their business. The three modules can be purchased independently of one another or group-purchased at a discount. Participants will be given free design software that is used in the course.

Module 3: Ground Source Heat Pump Systems: Special Topics

Thursday, November 4th 2021 (9am -to- Noon, PDT)

Design of surface water systems, and design considerations for cold v. warm regions. It is recommended that attendees participate in the previous modules;
however, it is not mandatory. Module 3 provides information on current codes and standards as they apply to ground-source heat pumps systems and information on additional resources for design and construction. **Instructors Steve Kavanaugh and Lisa Meline.**

Go to [https://www.californiageo.org/ground-source-heat-pump-design-course-2-for-building-professionals/](https://www.californiageo.org/ground-source-heat-pump-design-course-2-for-building-professionals/) for pricing and registration

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**UPDATE from GeoExchange**

**Congressional Infrastructure Plan Still Under Negotiation**

IGSHPA's partner, the Geothermal Exchange Organization (GEO), continues to push for inclusion in a massive, end-of-year infrastructure and spending package. The negotiations on this package have taken many twists and turns over the past several months with considerable pressure from moderate Democrats to reduce the overall cost of the bill. Currently, the targeted top-line number for the Biden Administration's Build Back Better Act is around $2 trillion, down from an earlier proposal of $3.5 trillion.

Despite an ultimatum from West Virginia Senator Joe Manchin that the Clean Electricity Performance Program be removed from the package, other major energy provisions remain intact. The House version of the bill contains 12 year extensions for both residential and commercial GHP installations. Additionally, the bill increases the commercial credit from 10% to 30% in parity with solar. This provision would have a significant impact on the market and drive adoption of third-party ownership models.

Comments from Congressional leadership this week suggest that Democrats are nearing a deal and an announcement may come as soon as late this week. GEO is deeply involved in the ongoing deliberations and discussions on Capitol Hill and continues to press for strong support of the geothermal industry. If you have any questions about GEO's efforts in Washington, please reach out to [info@geoexchange.org](mailto:info@geoexchange.org).
At the February 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.