



Agenda for Fifth Annual Illinois Geothermal Conference

March 11-13, 2015 Embassy Suites East Peoria Hotel & Conference Center, East Peoria

Wednesday, March 11

9 am Registration Opens

10 am ***Health Department Meeting on Illinois Loop Installation Regulation***

Welcome John Freitag, GAOI Executive Director

Overview of Geothermal Heat Pumps Dave Buss, Connor Company

State regulations and what IDPH expects Dave Johnson, IL Dept. of Public Health

Inspecting a geothermal vertical closed loop Dom Durbin, Durbin Geothermal, and member of the IDPH Closed Loop Board

10 am ***Manufacturer pre-conference training***

10am-5 pm ***Emerson Climate Technologies training***

Copeland Scroll Compressor operations and diagnostics/troubleshooting

Refrigeration Controls and diagnostics/troubleshooting

System Protectors

Review of overall System Operation

John Haug and Brad Hess,
Emerson Climate Technologies

1 pm Vendor Setup for Trade Show

5 pm Pre-Conference Reception/Trade Show Floor

Tracks

E/A – Engineers/Architects

U – Utilities

C/D – Contractors Dealers

D/L – Drillers

Thursday, March 12

8 am Registration Opens

9 am Trade Show Opens

9:45 am Welcome – Trade Show Floor

10 am Break-out Session I

- E/A** ***Bringing P3; Net Positive and Public Schools Together***
Bob Knoedler, Hanson Professional Services
- U** ***Developing the successful geothermal loop lease program***
Michael Volker, Corn Belt Energy
- C/D** ***Duct Pressure Testing Part 1***
Brian Kumer, Thermal Imaging Services
- C/D** ***Design and Installation of Hydronic systems***
Brian Urlaub, Enertech Global
- D/L** ***Directional Drilling Loop Installation***
Todd Tannehill, CETCO

1115 am Break-out Session II

- E/A** ***A complete college campus goes Geo. A case study on Lake Land College, Mattoon, IL***
Kirk Mescher, CM Engineering
- U** ***Successful geothermal utility incentives. The big picture perspective.***
Randy Gunn, Navigant
- C/D** ***Duct Pressure Testing Part 2***
Brian Kumer, Thermal Imaging Services
- C/D** ***Design and Installation of Dual Fuel systems***
Glen Bowen, Enertech Global
- D/L** ***Selecting the proper bit for the geology you are drilling***

1230 pm

GAOI Leaders' Luncheon

Guest Presentation

Kyle Finley, Live Line Demo

Accreditation Recognition Awards

2-2:30 pm

GAOI Annual Meeting

2:45 pm

Break-out Session III

- E/A & D/L** ***How to identify and properly classify drill cuttings***
David Larson, Illinois State Geologic Survey
- U** ***Understanding today's high-tech geothermal units***
Dave Buss, Connor Co.
- Overview of Illinois vertical loop regulation/issues***
Dominique Durbin, Durbin Geothermal
- C/D** ***Benefits of Variable Capacity GSHPs and Advanced Controls***
Bob Brown, WaterFurnace Int.
- C/D** ***Non-pressurized flow centers***
Dave Mohr, B&D Manufacturing
David Scott, The Habegger Corp.

4:15 pm

Break-out Session IV

- E/A** ***Understanding Pressure-Drop Calculations and Pump Sizing***
Greg Kurtz, Geo-Flo Products Corp.

- U** ***Developing dealer networks that work – on large and small scale***
Bob Dickey, Eastern Illini Electric Cooperative
Jim Fay, ComEd
- C/D** ***The entire package – HVAC and thermal boundary as one system***
Brian Kumer, Thermal Imaging Services
- C/D** ***Where did that one go wrong?***
Jeff Hurst, Connor Co
Dom Durbin, Durbin Geothermal
- D/L** ***Selecting and sizing a fluid recycling system for your drilling operation***
Brock Yordy, GEFCO

530-8 pm Vendor Reception and GEO FROZEN OPEN mini-golf tournament– Trade Show Floor

Friday, March 13

8 am Trade Show Opens

945 am Break-out Session V

E/A ***Verifying geothermal efficiency results***

Rob Olden, Element Energy
Mark Nussbaum, Architectural Consulting Engineering

U ***Brian Kumer's Top 10 lists of common Illinois home issues***

Brian Kumer, Thermal Imaging Services

C/D ***Design and Installation of Hydronic systems***

Brian Urlaub, Eneritech Global

C/D ***Sales and Marketing for Technicians***

Paul Habighorst, WaterFurnace Int.

D/L ***Before you drill or dig***

Brian MacKenzie, J.U.L.I.E. Inc.

11 am Break-out Session VI

E/A & C/D ***Permitting/Design Aspects of Rock River Open Loop Projects***

Bill Sprague, Area Mechanical

U ***Geothermal programs that deliver – REALLY DELIVER***

Boyd Lee, Caddo Electric Cooperative - Oklahoma

C/D ***Troubleshooting***

Jeff Hurst, Connor Co.

D/L ***Proper heat fusion techniques***

Michael Golightly, ISCO Industries

12:30 pm Lunch Keynote Speaker: Doug Dougherty, Geothermal Exchange Organization
Governments can help or hurt us.
In both cases we need to be engaged.

130 pm Trade Show Closes

130-2 pm GAOI Certification Exam Review Session, Registration

2 pm GAOI Certification Exams