



Geothermal: From the Ground Up

2012 Iowa Geothermal Conference

March 27-29, 2012

SPEAKER BIOS

Ken Arp is currently a Senior Industrial Hygienist with IOSHA Consultation and Education and has also worked with IOSHA Enforcement. He received his B.S. in Biology from St. Ambrose University in Davenport, Iowa and has his teaching certificate for grades 7-12. Mr. Arp volunteered at the World Trade Center and was on the Katrina Disaster Relief Taskforce Team.

Jim Bear has owned and operated TriCounty Refrigeration in Plano, Iowa since 1976 and been involved in the geothermal industry since 1978. Jim is a certified Train the Trainer with the International Ground Source Heat Pump Association (IGSHPA) and is a license in HVAC, as well as a licensed driller.

Matthew Brick is a shareholder of Brick Gentry P.C. His practice is focused upon labor and employment matters, as well as representation of municipalities. Matt also handles a variety of civil litigation matters and defends employees, employers and public entities in employment-related litigation based on a variety of statutory and common-law claims. He represents clients in state and federal court, in arbitration and mediation, as well as before administrative agencies. Matt also advises employers on employee discipline and general employment policies and contracts, including drafting, reviewing, and revising employment policies, contracts and affirmative action programs. Matt assists employers with union-related matters, such as unfair labor practice charges and negotiating collective-bargaining agreements.

Brenda Clark-Hamilton is a dynamic keynote speaker and workplace trainer who provides fresh perspectives in leadership, communication skills, customer service, and offering one's best self to life, relationships, and career. A skilled and respected educator, Brenda's career experiences include coordinating professional development for 1200 teachers, serving on the Iowa Department of Education's Professional Development Stakeholders Group, and managing multiple projects as Professional Development Consultant for an Iowa education agency. Since launching Fresh Coffee: Professional Growth Programs in 2005, Brenda has become a frequent speaker and audience favorite at conferences, conventions, association meetings, and within workplaces in every field imaginable. Audiences describe Brenda as a fun and engaging presenter who provides practical, take-home strategies that can be implemented in their daily lives right away.

Jack Cooper is a master plumber and has been involved in the construction trades since 1998. Most recently with an excavation and site utilities contractor with duties ranging from laying pipe, operating the main line excavator, estimating, to securing financing, bonds, and insurance. He has been training with Johnstone Supply since 2010, primarily in the areas of plumbing and safety. He is approved and has conducted training in all areas of mechanical as well.

Lynn Decious is currently employed at E & J Geothermal in Solon, Iowa as a geothermal bid estimating and service advisor. He also works as a Central Iowa Power Cooperative Technical Consultation which involves training and troubleshooting in the area of installation and service of ground source heat pumps. In addition, he is a member of the adjunct faculty at Kirkwood Community College teaching and administering CFC Certification classes approximately every three months since 1994. Mr. Decious teaches classes through Kirkwood Continuing Education at Rockwell Collins for industrial maintenance personnel on topics such as refrigeration, boilers, centrifugal water chillers, ground source heat pumps and plumbing installation. He is an IGSHPA accredited installer, BPI certified home rater and certified in SAVE and NATE.

Google Iowa Team is based out of Des Moines, IA and comprised of Brock Konrad, Cassidy Douglas, John Roepke, Morgan Meyer, and Whitney Lemon. The five Googlers have had extensive training in Google products for small businesses and have been traveling around the State putting on free workshops as part of the Iowa Get Your Business Online initiative by Google. The team has helped around 1,000 small businesses in Iowa get online and optimize their online presence.

Timothy M Hanes has been in the building science field for 14 years. During this time he has worked on DSM programs dealing with home performance for 18 utility companies and holds the following certifications: HERS Rater, NBI Residential Air Balancing, NBI Light Commercial Air Balancing, NBI Combustion and CO, ACCA Manual J, S, D, and IGSHPA Accredited Installer. He has personally tested over 2000 homes and his companies have tested well over 10,000 homes. Hanes currently teaches and certifies HVAC professionals around the country.

Erin Herbold-Swalwell is an associate attorney with the law firm of Beving, Swanson, and Forrest, P.C., in Des Moines, Iowa. She conducts a general practice including but not limited to agricultural law, estate planning, probate law, and corporate/business law. She currently services as the 2011-2012 Chair of the Agricultural Law Section of the Iowa State Bar Association. Prior to joining the Beving firm, she was employed by Iowa State University as the Staff Attorney at the Center for Agricultural Law and Taxation. She is a 2003 graduate of Iowa State University and a 2006 graduate of the University of Iowa College of Law.

Richard Hiles is the Mid-Central District Region Manager for ClimateMaster, Inc. Mr. Hiles is a thirty two-year veteran of the Heating and Air Conditioning industry who completed an HVACR course at ITT Technical Institute in 1978. His first fourteen years in the industry were in performing service, installation and sales for residential and light commercial applications. His first Geothermal project was a large surface water application called "Lloyd's Landing" in Anderson, IN. He was an instructor dedicated to HVACR courses and achieved Education Supervisor at ITT Technical Institute in Indianapolis, Indiana. Mr. Hiles is an IGSHPA Accredited Installer and Trainer and has passed the Certified Geothermal Designer test through IGSHPA and the Association of Energy Engineers and has recently attended the Certified Energy Manager course through AEE. He provides technical and application training on Geothermal Energy systems for distributors,

manufacturers' representatives, contractors and other professionals in the HVAC industry. He is a member of the National Vocational – Technical Honor Society via ITT Technical Institute.

Steve Jurshak is the Director of Engineering for SIMCO Drilling Equipment. He has been involved in geotechnical, exploration, and water well drilling for over 33 years and geothermal drilling for the last 23 years. Steve is a hands-on type person in not only does he design drilling rigs, but also is involved in actual drilling production operations. Over the years he has trained new customers in proper operation and safety of drill rigs across the US. Steve has been involved with the Iowa Geothermal Association for over 10 years and currently is on the Board of Directors. He is an IGSPHA Accredited Installer and Iowa DNR Licensed Well Contractor.

Curtis J. Klaassen, P.E. is an energy efficiency consultant on special projects through his firm, Energy Systems Engineering. He has retired after 15 years as Manager of Iowa Energy Center's- Energy Resource Station located on the DMACC Campus. While in that position, he coordinate the building system energy research projects; the testing and demonstration programs; and the education and training activities taking place at the Energy Resource Station. With over 35 years of building energy system experience, Curtis has been responsible for the energy analysis and design of energy efficient systems, high performance buildings, Geothermal Systems and related energy technologies for all types of commercial, institutional and industrial facilities. Curtis is a professional engineer licensed in Iowa and holds a degree in Mechanical Engineering.

Tom Knight is a continuing education instructor with Johnstone Supply Waterloo. Tom has taught a variety of class material over the years ranging from Gas Heating, Hydronics, Heat Pumps, Refrigeration, as well as Mechanical Code Update training. His experience includes 13+ years in the service department of a mechanical contractor plus six years of inside sales experience with Johnstone Supply. Tom has spent the last three years involved with our continuing education program. Tom is also a member of the International Ground Source Heat Pump Association. When Tom is not busy with his inside sales position, or teaching courses across Iowa, he provides technical support for several lines of equipment.

Jack Lipovac has over twenty-five years of experience as a human resource consultant. He is president of HR-OneSource, a human resource-consulting firm with several professional staff, all of who perform a wide range of services for both public and private employers in the areas of human resource management and labor relations. His firm works with diverse employers, such as co-ops, ag retailers, cities, counties, health care providers, school districts, manufacturing and service firms. He represents employers at PERB/NLRB hearings and civil rights investigations; develops personnel policies and job descriptions and provides advice to employers on all aspects of human resources. Jack presents seminars and training sessions on human resources and labor relations topics, and performs job searches for executive and senior level positions. Jack has a Masters Degree in Human Resources and is a certified Senior Professional in Human Resources (SPHR).

Stan Luhr is a nationally recognized forensic consultant who has been retained on some of the country's largest construction defect claims, spanning nearly three decades. A licensed general contractor in four states and holder of several inspection credentials, he has worked directly in the construction and inspection industry for 35 years. His clients include building owners, large insurance companies, homebuilders, commercial builders, and financial institutions in the country who have retained his services to solve complex building failures, water intrusion, code and negligence claims. Mr. Luhr's practical hands-on experience includes residential home building, commercial construction, remodeling, insurance repairs and building inspection services. He started Pacific Property Consultants in 1984 which provided building investigation analysis, diagnostic testing, forensic investigations, quality assurance and third-party inspections. In 1994, he created the Quality Built® program and became the company's CEO, which he operated alongside his forensic and construction businesses. The company received three published patents and 14 trade marks on numerous systems and proprietary software he developed in-house using ruggedized field computers. His systems were based on his years of experience with litigation claims, which provided builders with risk management solutions that slashed waste, improved production time and eliminated construction defects before they were built into the product. After more than 400,000 homes and \$9 billion of construction defect savings was achieved under the Quality Built program, he sold the company in 2010 to a Florida-based investor. He is now devoting his full-time energy toward his litigation and claims clientele.

James Mayer will help guide us through the Champion Duct School – Designing Forced Air HVAC Systems.

Cory Paeper has 8 years field experience as a service technician and is a certified N.A.T.E. and HVAC Excellence license holder, as well as a testing proctor for both. He is section 608 E.P.A. certified, as well as a certified carbon monoxide inspector. Cory is an advisor to many industry experts and training organizations and received the honor of the RSES member of the year in 2008. He is currently Educational Director of Johnstone Supply and heads up a team of trainers determined to help all trades maintain their license and increase the base knowledge of the industry.

Doug Rye is a licensed architect, host of a very popular live call-in radio program heard weekly in 19 states, author of monthly magazine articles written for the electric utility industry in 9 states, conducts over 100 seminars each year, and responsible for the installation of many thousands of geothermal heat pump systems. Mr. Rye might well be the best known and trusted residential energy consultant in the nation. He is best known as the "KING OF CAULK AND TALK".

Russell Tell has over 30 years experience in areas that are groundwater and public health related including over 20 years experience as a water well contractor, 2 years as a County Environmental Health Specialist, and currently over 6 years working with the Iowa Department of Natural Resources in their Water Supply Operations section managing the statewide private well program.