

APRIL 2018 NEWSLETTER



An ASHRAE International Premier Chapter

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Upcoming Dates:

April 19, 2018: Day of Learning/Trade Show - Geothermal Systems (ASHRAE DL - Alan Niles)

April 19, 2018: ASHRAE Webinar

June 23-27, 2018: ASHRAE Annual Conference - Houston, TX

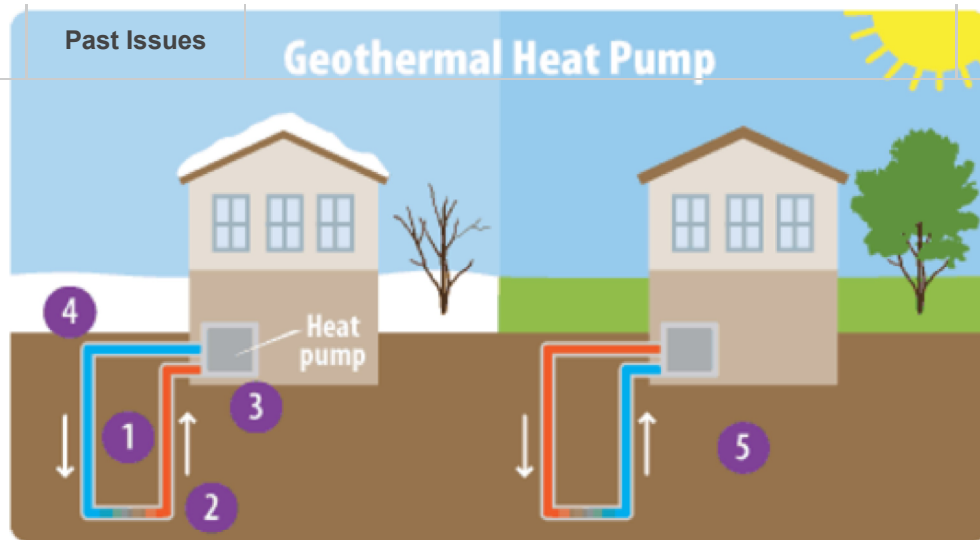
WV ASHRAE 3rd Annual Day of Learning/Trade Show

Thursday, **April 19, 2018**

Days Inn - Flatwoods, WV

Focus is on Geothermal/Water Source Systems

PLEASE REGISTER BY APRIL 13, 2018



Seminar attendees will earn **1.0 PDH** certificate from WV ASHRAE for each seminar attended.

COLLEGE STUDENTS: We will be working with our partner Sponsors of this Day of Learning to also make this a Career Fair for potential Internships and Employment opportunities. We urge you to not only take advantage of this Day of Educational training classes, but also the chance to meet a future employer. We hope to see several of you there!

Schedule:

- 8AM-8:30AM** Registration and Sponsor/Vendor setup
- 8:30AM-9:30AM** Design and Economics of Commercial Ground Loop Heat Pump Systems - presented by Alan Niles
(AIA/USGBC approved for 1 Credit Hour)
- 9:30AM-10AM** Break and visit Sponsors/Vendors
- 10AM-11:30AM** Panel Discussion on Geothermal/Water Source Systems and Equipment
Presentations by Local HVAC Equipment Suppliers followed by open discussion
- 11:30AM-1PM** Buffet style Lunch, visit Sponsors/Vendors
- 1PM-2PM** Net-Energy Water Loops: A Clear Path to Net Zero Energy Buildings
presented by Alan Niles
- 2PM-2:30PM** Break and visit Sponsors/Vendors
- 2:30PM-3:30PM** Indoor Air Quality Measurement and Control Technology

Featured Presenter - Alan F. Niles, ASHRAE Distinguished Lecturer



Alan Niles is a mechanical engineer with over 29 years of experience working for manufacturers of commercial water source heat pumps (WSHPs) and ground loop heat pumps (GLHPs) concentrating on commercial tower/boiler system design and commercial geo-exchange system design. Since 2009, he has been at WaterFurnace International, a manufacturer of commercial 6 Pipe Modular Heat Recovery Chillers and commercial Water Loop and Ground Loop Heat Pumps. Alan Niles is currently in his second two-year term as a Distinguished Lecturer for ASHRAE, speaking on the topics of economics and design of commercial ground loop systems. In 2013, Alan Niles' article "Net-Energy Water Loops," published in the August edition of HPAC (Heating/Piping/Air

Engineering, Alan held a nation-wide webinar on the use of the net energy water loop combined with simultaneous chilled water/hot water production using 6 pipe heat recovery chillers to achieve net zero energy goals.

Registration details:

General Attendee Registration includes access to all training sessions and vendor/sponsor area, continental breakfast and buffet style lunch in Visions, the restaurant at Days Inn.

Sponsor/Vendor Registration includes all General Attendee access and meals for one (1) representative, as well as one (1) booth space with table and electricity. A General Attendee registration fee is to be paid for each additional attendee accompanying the Primary Sponsor/Vendor registrant.

Early Online Registration Costs: (We ask that you register by April 13, 2018 so we can provide an accurate count of attendees to arrange for lunch and continental breakfast)

General Attendees - **\$59**

Students - **\$20**

Sponsor/Vendor Registration - **\$229** (on booth space, table and electricity - bring your own cords)

ASHRAE RP Sponsorship:

Your additional tax-deductible Sponsorship of our endeavors is greatly appreciated. Levels of Sponsorship are:

GOLD: \$500

SILVER: \$350

BRONZE: \$200

Your company name will be displayed at the Trade Show Entrance and on our website.

Visit the [WV ASHRAE 2018 Day of Learning/Trade Show](#) page for more information and to Register.



WV ASHRAE sponsored four meetings/presentations at this year's WV EXPO on March 21, 2018. We would like to THANK all our attendees, distinguished presenters - Mr. Terry Townsend, P.E. and Mr. Arthur Hallstrom, P.E. and our Region VII Director and Regional Chair, Mr. Michael Cooper, P.E. This year's meetings provided some excellent topics and information and were very well attended.

Please visit our [March 2018 EXPO](#) page to review the description of each of our meeting topics and download a PDF copy of the presentations.

West Virginia Green Training



The West Virginia Office of Economic Opportunity, Energy Efficient West Virginia, and West Virginia Office of Energy are offering certification and technical training courses in cooperation with Green Training USA, the nation's premier training provider for home performance contractors.

Please visit <https://www.greentrainingusa.com/wv.html> for more information.

CHAPTER/REGIONAL TECHNOLOGY AWARDS

WV ASHRAE is looking for projects in the State of West Virginia to submit an Application for a Regional Technology Award. The submission needs to be for a "built" project that is currently in operation. Applicants for the Award must be an active ASHRAE member and a WV ASHRAE Chapter dues paying member. Applications must be completed and submitted to WV ASHRAE by May 1, 2018.

The submission requires the completion of a Short Application Form accompanied with an 11"x17" schematic/system diagram and a brief (not more than 2 page) narrative of the project, which should include building areas, types of use for building areas (i.e. classrooms, office, laboratories, etc.). The narrative shall include a brief discussion of the following topics: Energy Efficiency, Indoor Air Quality, Innovation, Operation and Maintenance, Cost Effectiveness, and Environmental Impact.

The Categories available for submission are:

1. Commercial Buildings (New, Existing, Existing Building Commissioning (EBCx))
2. Institutional Buildings (New, Existing, EBCx)
 - Educational Facilities
 - Other Institutional Facilities
3. Health Care Facilities (New, Existing, EBCx)
4. Industrial Facilities or Processes (New, Existing, EBCx)
5. Public Assembly (New, Existing, EBCx)
6. Residential (Single and Multi-Family)

Please contact Sam Butzer, P.E., WV ASHRAE CTTC Chair at stb@zmm.com for more information and to obtain the Award Application for completion.

Save the Date for the ASHRAE Webcast

By: ASHRAE Staff



Making Energy Efficiency a Reality

ASHRAE Webcast | April 19, 2018

Is advanced technology alone solving the case for energy efficiency? Delivering meaningful energy efficiency in buildings often requires debunking myths about building products, performance and solutions. This webcast will focus on strategies and policies that dive into deep efficiency goals. Featured ASHRAE speakers will address myths and realities they've discovered through real life experiences. Viewers will learn how a practical design approach can help achieve optimum energy performance in commercial and high-rise residential buildings across the globe. With varying climates and economies, one must consider a holistic approach when assessing a building and its systems.

2018 ASHRAE Annual Conference Houston, TX June 23–27, 2018



the Hilton Americas hotel and the George R. Brown Convention Center.

Visit <https://www.ashrae.org/conferences/annual-conference> for more information.

ASHRAE CERTIFICATIONS

DOE Approves ASHRAE Certifications:

Two ASHRAE certification programs, the Building Commissioning Professional (BCxP) and the Building Energy Assessment Professional (BEAP), recently received recognition by the Department of Energy for meeting Better Buildings Workforce Guidelines (BBWG). The Better Buildings Workforce Guidelines program establishes a clear set of guidelines that industry stakeholders are able to leverage towards the development of successful training and certification programs. These guidelines have streamlined pathways for both new and experienced professionals to improve skillsets and show potential employers that they meet desired qualifications for commercial building projects.

ASHRAE offers the following Certifications for Industry Professionals:

[Building Energy Assessment Professional \(BEAP\)](#)

[Building Energy Modeling Professional \(BEMP\)](#)

[Commissioning Process Management Professional \(CPMP\)](#)

[High-Performance Building Design Professional \(HBDP\)](#)

[Healthcare Facility Design Professional \(HFDP\)](#)

[Operations and Performance Management Professional \(OPMP\)](#)

Please visit the ASHRAE Certifications website for more information:

<https://www.ashrae.org/education--certification/certification>



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