

www.ashraetnvalley.org

[TN Valley Chapter Facebook Group](#)

2018-2019 Chapter Officers

President

[Jac Cooper](#) 423-280-8361

President-Elect

[Joe Runyon](#) 423-290-5034

Vice-President

[Drew Frye](#) 423-751-7060

Treasurer

[Patricia King](#) 423-619-8001

Secretary

[Joseph Abbott](#) 423-298-3236

Technology Transfer

[Kay Thrasher](#) 423-280-9815

Research Promotion Chair

[Tommy McMasters](#) 423-493-7530

Historian

[Scott Harrington](#) 865-583-9309

Student Activities

[Jan Jennings](#) 615-330-7923

Membership

[Michael Harrington](#) 919-619-6988

Grassroots Gov. Affairs

[Scott McKenzie](#) 423-664-1492

Young Engineers in ASHRAE (YEA)

[Michael Harrington](#) 919-619-6988

Webmaster

[Kay Thrasher](#) 423-280-9815

Chapter Administration

[Michael Harrington](#) 919-619-6988

Chapter Administration

[John Richardson](#) 423-413-6062

**ADDITIONAL BOARD OF GOVERNORS
(Outside of Officers Listed Above)**

David Dinse 706-820-0711

Sam Delay 423-605-1375

BOG meetings are typically held on the 3rd
Monday, 12:30-1:30 pm at Café 58 (Calvary
Chapel on Broad St.)

LUNCHEON MEETING NOTICE

Date: Wednesday, April 3rd, 2019

Time: 11:30 a.m. *Lunch served & Chapter Announcements*

Place: [Mountain City Club](#), 729 Chestnut St., Chattanooga

Cost: \$20 if you're not on the meal plan

\$10 for ASHRAE student members (must be a member)

Now accepting credit cards via smart phone app or online via PayPal

Menu: Vegetarian or low carb meals must be requested early

Reservations: RSVP no later than 5:00pm Tuesday (day ahead) via an
Email to [Tricia King](mailto:Tricia.King@cornerstone-automation.com), tking@cornerstone-automation.com or call 423-619-8001

**Dr. Andrey
Livchak**

Global R & D

**Fundamentals
of Thermal
Displacement
Ventilation**

This month's chapter program will include a presentation from Dr. Andrey Livchak titled "Fundamentals of Thermal Displacement Ventilation".

Thermal displacement ventilation (TDV) is a unique system that saves energy and, at the same time, improves indoor environmental quality of HVAC systems in cooling applications. This presentation will give classification of air distribution systems in terms of temperature and CO₂ concentration; it will describe fundamental differences between TDV and Mixing Ventilation. It will explain how ASHRAE Standard 62.1-2010 impacts TDV system design and describe benefits and limitations of TDV. It will also cover TDV performance when space heating is provided by secondary heating systems and when displacement diffusers are used for space heating in all-air systems.

Dr. Andrey Livchak has over 30 years of international experience in the HVAC industry. He graduated from Moscow Civil Engineering University in 1983 with honors and M.Sc. degree. In 1989 he received Ph.D. in engineering from the same university. His expertise covers several areas including air distribution, heat recovery, cooling, heating systems, acoustics and commercial kitchen ventilation. Dr. Livchak started his engineering career in 1983 in Moscow working at the government research laboratory. He joined Halton in 1989 working first in its European division and in 1998 moved to the U.S. to manage Halton R&D center. In his current position as the Director of Global R&D for the Foodservice division, Dr. Livchak is responsible for planning and coordinating research and development of five Halton Research Centers in America, Europe and Asia. Dr. Livchak is an active ASHRAE member, he works on TC 5.3 (Air Distribution) and SPC-200 Method of Testing Chilled Beams committees, has over 50 publications including more than 20 patents.

Professional Development Certificates (1 hour) will be provided at the Lunch meeting. The lunch meeting should conclude by 1 p.m.

ASHRAE Government Affairs – Updates - <http://www.ashrae.org/advocacy>

Local Groups of Interest:

[Green Spaces Chattanooga](#)

[Chattanooga Engineers Club](#)

[Chattanooga - American Institute of Architects](#)

[Tennessee Board of Architectural and Engineering Examiners](#)

[Geothermal Heat Pump Consortium](#)

[Chattanooga Engineers Week](#)

Membership Notes

High Lights

APRIL IS MEMBERSHIP PROMOTION MONTH. PLEASE BRING POTENTIAL NEW MEMBERS.

We will be recognizing Life Members and YEA members at the April meeting.

Looking forward, make plans to get to the MAY meeting a little early (11am) for “General Technical Committee Information” from John Richardson.

GOLF TOURNAMENT IS MAY 23rd. Please submit forms to [Tricia King](#)

Hard Spots

None to report.

2018-19 Chapter Programs

Good programs are what make the Chapter meetings a success. Last year your participation (attendance) was great. It is directly attributable to the quality of programs. Input is continually needed from everyone (both members and non-members) for topics (and potential presenters) that are of interest. Efforts will be made to address all needs (residential, commercial, nuclear, renewable, etc.), so do not be ashamed to ask.

Contact [Kay Thrasher](#) or any current Board member with suggestions.

2018-19 Meeting Dates	Topic
09/05/2018	Our New Energy Future (EPB Programs)
10/03/2018	Heat Tracing
11/07/2018	Coca Cola Distribution Plant Tour
12/05/2018	Should'a had an RFI! – Code Lessons
01/09/2019	Energy Goals & Integrated Design
02/06/2019	Insulation for VRF/VRV HVAC Systems
03/06/2019	Cooling Tower Suction Piping & NPSH
04/03/2019	Thermal Displacement Ventilation
05/01/2019	Building Loads & DOAS
May 23rd	Golf Tournament Fundraiser

Life Member and YEA Member Recognition

Come early as prior to our monthly program this month the chapter will recognize ASHRAE membership on both ends of the ASHRAE membership spectrum.

ASHRAE Life Members represent the "more seasoned" members who have 30 years of continuous service to ASHRAE and are at least 65 years of age. **Young Engineers in ASHRAE (YEA)** includes all ASHRAE members age 35 and younger (except student members). YEA members automatically qualify to take advantage of programs and services geared specifically to young professionals.

While having the experienced members is a good thing, the futures of the Chapter and Society are dependent upon young professionals moving in, becoming involved, and taking charge. The Tennessee Valley Chapter is close to being balanced in these two member categories with 17 Life Members and 13 YEA Members.