

[www.ashraetnvalley.org](http://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 3<sup>rd</sup>  
Monday, 12:30-1:30 pm at Café 58 (Calvary  
Chapel on Broad St.)

**LUNCHEON MEETING NOTICE**

**Date: Wednesday, May 1st, 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:tking@cornerstone-automation.com), [tking@cornerstone-automation.com](mailto:tking@cornerstone-automation.com) or call 423-619-  
8001

**Dan Int-Hout III**

**Krueger**

**Building  
Loads and  
Dedicated  
Outdoor Air  
Systems**

This month's chapter program will include a presentation from Dan Int-Hout titled "Building Loads and Dedicated Outdoor Air Systems".

As we learn more about actual interior loads, and how occupants respond to very low air supply rates with overhead well mixed air systems, we can begin to implement new technologies in the delivery of uncoupled Outside air systems. ASHRAE research project 1515 discovered that interior loads are approaching minimum ventilation rates. It also measured high occupant comfort at less than 0.3 cfm/sf. We will discuss the opportunities this data has presented to the building designer

Mr. Dan Int-Hout, Chief Engineer, Krueger, is responsible for the presentation of technical data and advanced application engineering for the Grilles, Registers and Diffusers, as well as the VAV air terminals, produced by Krueger. Mr. Int-Hout originally joined Krueger in 1981, but has had several other jobs in the industry, in engineering, marketing and product research roles, with Owens Corning Fiberglas, Carrier, Titus and Environmental Technologies. Mr. Int-Hout has been in the air distribution research and design business since 1973, has a Masters degree in Business Management from Central Michigan University, and a Bachelors degree in Biology and Physics from Denison University. Mr. Int-Hout has written over thirty technical papers and articles on VAV system performance, acoustics, air diffusion, controls and occupant comfort. He was recently Chairman of both ASHRAE Technical and Standards Committees on Thermal Comfort, is a past Chairman of several other related ASHRAE Technical and Standards Committees, as well as ASHRAE Standards and Environmental Health Committees. He received the ASHRAE Distinguished Service Award in 1993. He is currently the Chairman of the ARI Committee on Applied Acoustics (885) and Chair of ISO 205 U.S. Panel on Thermal Comfort. He is presently a member of the ASHRAE Technical Activities Committee (TAC).

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**

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

GOLF TOURNAMENT IS MAY 23<sup>rd</sup>. 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.

<b>2018-19 Meeting Dates</b>	<b>Topic</b>
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