



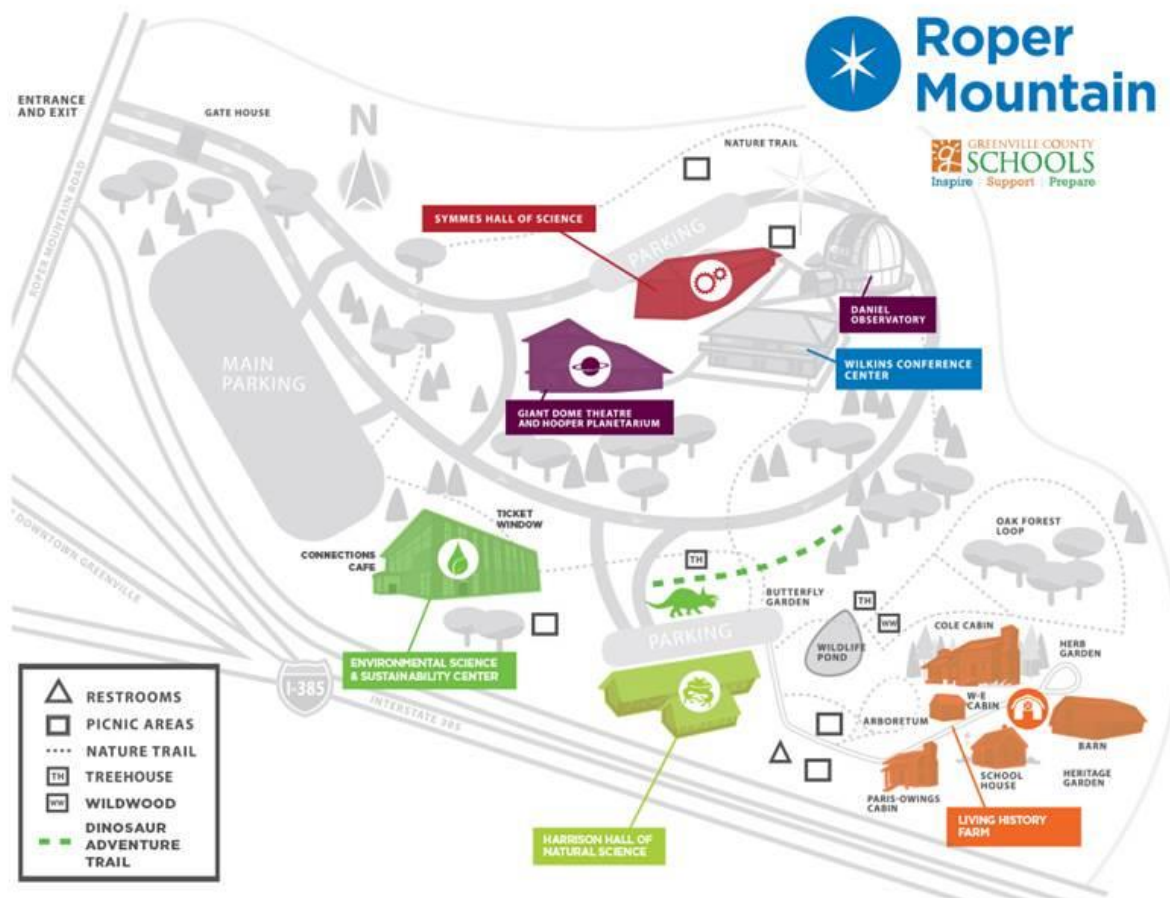
Giga-Joule

April 2022

Meeting Announcement

The Value of Good Specifications Membership Promotion Meeting Bring a Guest

The Greenville Chapter meeting will be held on **Tuesday, 4/12/22, at 11:50 am**. Please note we have returned to the Roper Mountain Science Center Wilkins Conference Center – 402 Roper Mountain Road, Greenville, SC 29615, for our meeting location. The Conference Center is located at the top of the mountain after entering from Roper Mountain Rd (see map below).



A Message from the President

We hope that you all enjoyed the start to our FY-2022 ASHRAE year. Thank you to those who attended last month's meeting both virtually and in person. Hopefully you enjoyed the addition of our Owl Camera to broadcast the meeting in a more interactive fashion to those joining remotely. We hope that this has enhanced our offering to the chapter and allows those that are not normally able to attend to join us virtually.



If there is something that we as a ASHRAE Greenville Chapter Board can do to enhance our service of Chapter Members, please do not hesitate to reach out to me or another board member (see list of board contacts & areas of service on page 4). Please also know that we are always actively looking for those that would like to volunteer to serve on the board and help steer our future direction.

We hope to see you (virtually or in person) for this month's meeting!

Ryan Tonnsen
tonnsenr@cxconsultants.com
864-395-9012

Chapter Technology Transfer Committee *Bill Knight & Tigue Garick*



Ladies & Gentlemen,

Our chapter technology transfer committee would like to invite you back to all IN PERSON meetings for 2021! This year we will be using Stax Catering for our meals. As always, *we are looking for meeting speakers and sponsors* as well as volunteers to serve on the BOG and our many committees. Please don't hesitate to reach out to either of us with meeting ideas as well as any questions or concerns. Thank you in advance for your support of our chapter, and we look forward to seeing you next week!

We will be meeting in Greenville on April 12, 2022 at Roper Mountain Science Center, Wilkins Conference Center – 402 Roper Mountain Road, Greenville, SC 29615. We will start serving lunch at noon, with a program on air distribution designs and practices using textile air dispersion products.

Please RSVP by 9AM Monday, April 11, 2022

If you have any questions, contact:

Ryan Tonnsen 864-395-9012 or tonnsenr@cxconsultants.com

Cost: Lunch Program: \$15 at door for chapter member (catered lunch)
\$20 for non-chapter member (catered lunch)
\$10 for virtual attendance (lunch not included)

Education Credit: This Seminar qualifies for 1.0 PDH each (including NC PE).

February Meeting

The Value of Good Specifications



Mr. Terry L. Rogers

Terry has over 40 years of progressive experience in Critical Facilities operations and management including strategic planning, critical infrastructure design, operations, and commissioning; business protection and recovery; preventive and predictive maintenance; technical training and professional training development.

Terry is an **ASHRAE Distinguished Lecturer** and a voting member of **ASHRAE TC9.9 "Mission Critical Facilities, Data Centers, Technology Spaces, & Electronic Equipment"**, **ASHRAE SSPC 90.4 "Energy Standard for Data Centers"**, **ASHRAE SPC-127 "Method of Testing for Rating Computer Room Air Conditioners"**, and **GPC-1.6P "Commissioning Process for Data Centers"**. He is on the Board of Directors of the 7x24 Exchange Carolinas Chapter. He is on the Board of Directors of the Building Commissioning Association's Southeast Region and has authored or co-authored books, whitepapers,

and presentations on Critical Facilities, facilities management, and formal commissioning. He has developed and taught multiple training classes in the design, construction, operation, and maintenance of critical facilities including commercial nuclear power plants, aerospace facilities, and large data centers.

Terry has performed site reliability assessments for more than 50 sites in over 20 countries and 5 continents. Terry writes a bi-monthly column in Mission Critical magazine called *Sustainable Operations*. Terry is currently the VP and National Leader for the Commissioning and Building Analytics business unit at Jones Lang LaSalle (JLL).

The Value of Good Specifications

“A picture is worth a thousand words.” There is a lot of truth in this old saying, and therefore, when handed a set of construction documents the drawings are typically the first part to be scrutinized. Reading a set of drawings provides a quick understanding of a construction project. But the construction drawings provide only a partial and incomplete picture of the overall project scope and must be viewed in the context of the requirements embedded in the written specifications. What’s fascinating, and quite frankly disappointing, is how often the written specifications get glossed over, at best, if not completely ignored by project stakeholders as they focus on the drawings during design reviews, estimating, and proposal efforts. Considering that in most cases, the specifications take precedence over the drawings in case of conflicts, it is even more surprising how little attention specifications often get. On the other hand, it is understandable. Written specifications are about as dry and unexciting prose as can be written and for large projects can be hundreds or even over a thousand pages in length. In today’s hectic environments where time is of the essence, and deadlines must be met, it is easy to rely on the drawings and assume the specifications will reflect “industry standards”. And this becomes the root-cause of many construction related issues and conflicts as the project progresses.

ASHRAE TECHNOLOGY AWARDS 2021 – CALL FOR NOMINATIONS!

The ASHRAE Greenville Chapter Technology Transfer Committee (CTTC) is now accepting nominations for 2021 Technology Awards. Have you or your organization done something sensational and deserve recognition? Start your application now to begin reaping the benefits of recognition by your peers and ASHRAE. There are six (6) different categories for entry. Details can be found at <https://www.ashrae.org/membership/honors-and-awards/technology-awards-program-overview> .

If you have any questions please contact Bill Knight at bknight@greenville.k12.sc.us or (864)355-7792.



Need a Job? Looking for a good candidate?

Check out the new ASHAE Job Board at <https://jobs.ashrae.org/>

ASHRAE Greenville Chapter Board

Chapter President	Ryan Tonnsen & Brandon Guy
Chapter President Elect	Bill Knight
Chapter Vice President	Brandon Guy
Chapter Secretary	Jeremy Butdorf
Chapter Treasurer	Ryan Tonnsen
Chapter Board of Governors	Devon Cortright
Chapter Board of Governors	Karl Counts
Chapter Board of Governors	Bill Knight
Chapter Communications Chair	Matthew Lewis
Chapter Technology Transfer Chair	Bill Knight & Tigie Garick
Chapter Membership Promotion Chair	Brandon Dillard
Chapter Research Promotion Chair	Will Bailey
Chapter Student Activities Chair	Matt Lewis/Brandon Guy
Chapter Grassroots Government Activities Chair	Rodney Hinton
Chapter Historian	Alan King
Chapter Honors and Awards	Devon D Cortright
Chapter Webmaster	Karl F Counts
YEA Chair	Jeremy Butdorf



Event Dates for 2021-2022

Date	Topic	Special Emphasis	Location	Presenter
Tuesday 09/14/2021	Variable Speed Pump Control		Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Patrick Leake
Tuesday 10/12/2021	Electronic Air Cleaning	Research Promotion	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Cosatron
Tuesday 11/09/2021	ASHRAE Guideline 36	Membership Promotion - bring a guest	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Automated Logic
Tuesday 12/14/2021	Fabric Duct	Students/YEA	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	DuctSox Bill Murphy
Tuesday 01/11/2022	Fan Wall Technologies	Joint meeting: AIA	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Trane
Tuesday 02/08/2022	Psychrometrics 101		Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Tony Mormino - Insight Partners
Tuesday 03/08/2022	Standard 62 and the IAQ Procedure		Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Chris Muller - Muller Consulting
Tuesday 04/12/2022	The Value of Good Specifications	Membership Promotion Bring a Guest	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Terry Rodgers - JLL
TBD	Spring Golf Outing		TBD	
Tuesday 05/10/2022	Air Cooled vs Water Cooled Chillers		Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	Carrier
Tuesday 06/14/2022	Energy Code in SC	Joint meeting: USGBC	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	SC Energy Office