



Giga-Joule

March 2019

<http://www.ashrae4greenville.com/>

Meeting Announcement...

Topic: MAKE THE MOST OF YOUR SPECIFICATIONS

Presented by: Justin Prevette

MEETING SPONSORED BY SCHNEIDER ELECTRIC

The **Greenville Chapter Meeting** will be held on **Tuesday, March 12th, 2018 at 11:30 AM**

Please RSVP to me for this Meeting by Noon on Monday, March 11th

Location: M.T. Anderson Support Center
100 Blassingame Rd
Greenville, SC 29605

PLEASE NOTE: We are in Conference Room B, but we will need to enter through main door at the front and check in

Program Cost includes catered lunch!

- \$15 via website: <http://www.ashrae4greenville.com/next-greenville-meeting>
- \$15 at door for chapter members, \$20 for non-chapter members

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

If you have any questions, contact: Carson Carpenter at 864.527.0311 or ccarpenter@devitainc.com

Meeting Sponsor: **Sponsorships available!** Contact our Research Promotion officer Will Bailey at will.bailey@trane.com for more information on Company Meeting Sponsorships!!!



Message from the President

Jeremy Butdorf – President
ASHRAE – Greenville Chapter
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jeremyb@jmpco.com

Happy March Everyone!!! The year is flying by and it gets me reflecting on how we can make this month slow down a little and be the best month of 2019 yet!

With that being said, did you know March is the only month that includes day that is also a command? March 4th – say it out loud, it's a little hard to type a pun, but March Forth is the command... March is also named after Mars – the Roman god of war. Its fitting that the month named for the god of war also includes a command such as march forth. In January we had some of the board of governors members give a “War Stories” Presentation – let’s hope that everyone who attended was able to learn something in order to stay out of War in the month of March...

Another thing in March to be excited about is St. Patrick’s Day. Did you hear about the Leprechaun that got excited when he met the Giant Irish Pickle? Do you know why he was excited? Because it was a big dill! Speaking of being a “Big Dill” (sorry for the 2nd horrible pun), it’s a big deal that we are one month closer to our Golf Tournament coming up on May 6th! We’ll be back down at Musgrove for another year at this gorgeous course. Huge thanks to Will Bailey and Tigie Garick for getting this set up! The first person to come up to me at the March Meeting and tell me the name of the board of governors member who has March Forth in their report in the newsletter is, will win a prize. Lets all work together to make March the best month of 2019 yet and get everyone excited for all the great things to come for the ASHRAE Greenville Chapter!

I look forward to seeing you at our March Chapter Meeting!!!

March Chapter Meeting - Presenter Spotlight

Presenter: **Justin Prevette – Schneider Electric**

Program: **Make the Most of Your Specifications**



Justin started in the industry in 1999 after completing two years at York Technical College with an Associates in Mechanical Refrigeration. He started out with Barber Coleman in Charlotte, NC as an control technician apprentice. In 20 years, he has held many positions including hardware design, software engineer, field technician supervisor, service manager and now account representative. All of his 20 years of experience has been with one company but many names....Barber Coleman, Siebe, Yamas, TAC, Schneider Electric. He wanted to get back involved with the end users and work in our South Carolina market.

On a personal level, Justin married his high school sweet heart and they have 4 children (15, 11,10 and 6). He is an avid runner and triathlete coach in his spare time.

Research Promotion



Will Bailey

Research Promotions Chair

will.bailey@trane.com

We are pleased to announce the Golf Tournament will be held on Monday, May 6th at Musgrove Mill Golf Club! We will be announcing sponsorship levels and sign ups soon. Be on the lookout for more info to come on this great event!

We appreciate your continued support for our local ASHRAE Chapter.

YEA - Young Engineers in ASHRAE



YEA Chair

Brandon Guy

bguy@greenville.k12.sc.us

Thank you to everyone who came out to our YEA event on 2/28 at the Swamp Rabbits Game at Bon Secours Wellness Arena for the hockey game and plant tour! It was a great event for friends and family!

We will be doing another YEA event in the near future, but if you have any questions in the meantime, March Forth, please let me know!

Treasury



Ryan Tonnsen

Treasurer Greenville ASHRAE

wtonnsen@greenville.k12.sc.us

Our finances remain stable and we continue to provide a great menu during our meetings. We voted during the BOG Meeting to increase the cost of meals for members to help cover the rising meal costs – but we will continue to offer quality lunches. Please continue to support ASHRAE by becoming a “Presenting Sponsors” - if you are interested in being a presenting sponsor, please let me know!

Thank you to Schneider Electric for Sponsoring our March Meeting!!!

Membership



Brandon Dillard

Membership Promotion Greenville ASHRAE

Brandondillard@gmail.com

Greetings ASHRAE Greenville! I am your Membership promotion chair for the year. Please continue to support ASHRAE by becoming a member if you aren't currently and also invite new potential members from your offices or someone you work with. If you would like to join, please let me know!!!

In efforts to keep you updated, visit us at:

WEBSITE: www.ashrae4greenville.com

LINKEDIN: https://www.linkedin.com/groups?home=&gid=8154388&trk=anet_ug_hm

EVENTCALENDR: View ASHRAE Greenville Chapter Meetings calendar

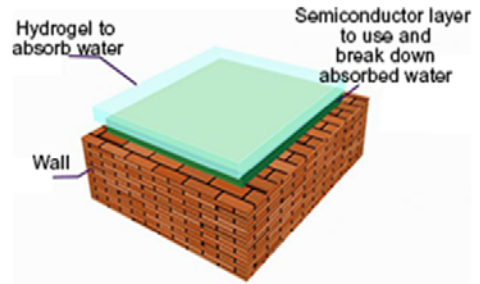
2018-2019 ASHRAE Greenville Chapter Board

Chapter President	Jeremy Butdorf
Chapter President Elect / VP	Tigue Garick
Chapter Secretary	Alan King
Chapter Treasurer	Ryan Tonnsen
Chapter Board of Governors	Devon Cortright
Chapter Board of Governors	Karl Counts
Chapter Board of Governors	Bill Knight
Chapter Board of Governors	Brandt H Williams
Chapter Board of Governors	Myrna Dayan
Chapter Technology Transfer Chair	Carson Carpenter
Chapter Membership Promotion Chair	Brandon Dillard
Chapter Research Promotion Chair	Will Bailey
Chapter Student Activities Chair	Daniel Lowe
Chapter Government Affairs Committee Chair	Rodney Hinton
Chapter Historian	Alan King
Chapter Honors and Awards	Devon Cortright
Chapter Webmaster	Karl F Counts
YEA Chair	Brandon Guy

RESEARCH

Experimental Coating Keeps Buildings Cool

SINGAPORE—Researchers at the National University of Singapore have created a coating that absorbs moisture, which reduces relative humidity by 20% in seven minutes, leading to a decrease in perceived temperature of 7°C to 9°C (12.6°F to 16.2°F). The coating is based on zinc oxide and consists of two layers: a moisture-absorbing hydrogel and a water-digesting material which allows the hydrogel to continue absorbing water vapor from the air indefinitely. Applying the coating on at least one wall will be enough to keep a room cool without the use of air conditioning and without requiring any energy input. The new material is being piloted at indoor locations in Singapore before entering production.



GRAPHIC: The coating technology is self-sustaining. CREDIT: Temasek.

Using Machine Learning for Weather Forecasts Can Help Save Energy, New Research Finds

INDUSTRY TRENDS

New Mass. Plan to Push Energy Storage, Demand Response

BOSTON—Massachusetts utilities have won approval for a "nation-leading" plan to cut electricity and natural gas sales over the next three years. The 2019-2021 energy efficiency plan, approved by the Massachusetts Department of Public Utilities, would cut aggregate retail electricity sales by 2.7% and cut natural gas sales by 1.25% within the three-year period. The plan provides new tools for an energy-efficiency program run by the state's utilities that gives homeowners incentives to switch to electric heat pumps. For commercial and industrial users, energy storage, "strategic electrification," and demand response will be promoted.

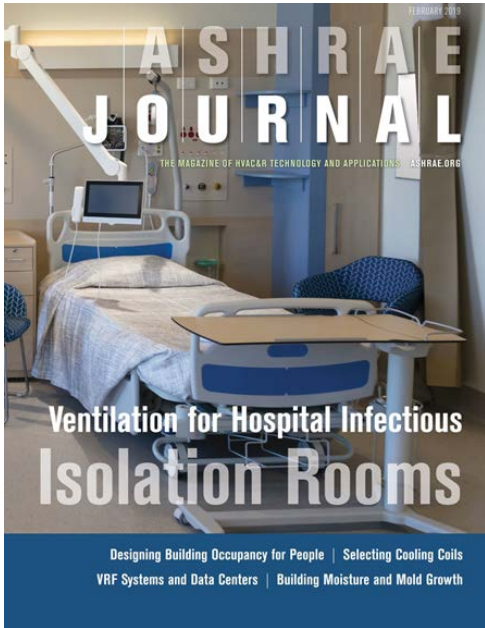


PHOTO: Boston's skyline. CREDIT: Massachusetts Dept. of Public Utilities.

ALL THIS AND MUCH MORE ON THE LINK BELOW:

[ASHRAE HVAC&R INDUSTRY NEWS LINK](#)

ASHRAE JOURNAL



The March 2019 issue of the ASHRAE Journal is available now online!
All of these products can be accessed and request from the ASHRAE
Website at the link below:

[ASHRAE JOURNAL ONLINE](#)