



Giga-Joule

September 2018

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

Meeting Announcement...

Topic: INDEMNITY – with Dan Atkinson of the Wilkes Law Firm

The **Greenville Chapter Meeting** will be held on **Tuesday, September 11, 2018 at 11:45 AM**

Please RSVP to the Outlook Meeting Invite by Tomorrow, Monday, September 10

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!

- \$13 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
864-270-3909
jeremyb@jmpco.com

It's fitting that I just received a certificate in the mail with a pin – letting me know that I have now been a member of ASHRAE for 5 years... I look back on the experiences I've had in meetings and events, and people I have met through all things ASHRAE with fondness and now with excitement. I couldn't be more proud and thrilled to serve as Chapter President this year. We have an outstanding Board of Governors and I can't wait to serve alongside of them. If you are interested in serving on a Chapter Committee and working with our AMAZING Board of Governors, please let me know! More about what a chapter committee does is available in the Manual of Chapter Operations, found here:

<https://www.ashrae.org/society-groups/chapters>

With this being said... I have one ***Call to Action for the Year*** in a single word: ***FELLOWSHIP!*** ASHRAE is a great organization, our meetings are opportunities for knowledge to be shared and networks to be formed. I encourage everyone to attend all the meetings and even the events outside of normal hours. If we have more opportunities to fellowship, our enjoyment of meetings and willingness to participate will greatly increase! I find value in this organization - in its leadership, in its importance to our industry, in the information shared, but most importantly with the members we interact with.

I look forward to seeing you at our Chapter Meetings and events and thank you for your continued support of ASHRAE. Please let me know if there is anything I can do to aide in the enjoyment of ASHRAE in this upcoming year.

September Chapter Meeting - Presenter Spotlight

Presenter: Dan Atkinson

Program: Indemnity



Dan Atkinson is a member of the Wilkes Law Firm and his general litigation practice includes professional liability defense, construction litigation, personal injury defense, insurance litigation, business torts, and education law. Dan has experience with jury trials, non-jury trials, and arbitration and litigates in both federal and state court. Additionally, he defends licensed professionals facing potential sanctions before administrative agencies, and advises school districts on administrative matters. He also works with various construction contractors, FAA repair stations, suppliers and other entities to protect those businesses' interests in performing work for customers, including assertion of lien and mortgage rights against real property and aircraft.

Dan enjoys educating professional groups about legal issues confronting various professions. He has made multiple presentations to professional organizations serving coaches, athletic trainers, engineers, and insurance claims professionals. He also is a member of the Construction Law Sections of the South Carolina Bar and the North Carolina Bar Association, the S.C. Defense Trial Attorneys Association, the Defense Research Institute, and the Aviation Law Section of the State Bar of Georgia.

Dan is a second-generation Furman graduate and graduated from the Washington and Lee University School of Law, Juris Doctor, cum laude, 2004

Research Promotion



Will Bailey

Research Promotions Chair

will.bailey@trane.com

Greetings from ASHRAE Research Promotion! For those of you that don't know me, my name is Will Bailey. I am new to the board of governors this year but have experience in the Charlotte ASHRAE Chapter and look forward to serving our chapter. I recently attended the RP Regional Training down at ASHRAE HQ in

Atlanta and I am excited for the coming year. We currently have ideas to team up on some nights to raise money via YEA events. We will do the golf tournament again this year, and are looking into a bowling night, RP Cornhole tournament, maybe even an evening event.

I'd like to make a special shout out to our donors to Tigues Garick, Jeremy Butdorf, Bill Knight, Wade Crow and Bell & Gossett for being RP Donors last year!

I look forward to working with each of you this year, and I hope to see you at our next chapter meeting!

We appreciate your continued support for our local ASHRAE Chapter.

YEA - Young Engineers in ASHRAE



YEA Chair

Brandon Guy

bguy@greenville.k12.sc.us

Greetings from Young Engineers in ASHRAE! I look forward to meeting all our younger members, both at our meetings and at upcoming social events. I am happy to help with all ASHRAE questions to allow you further develop professionally in our industry and to understand our organization. If you have any specific needs or suggestions do not hesitate to let me know and I will do all I can to see they are addressed.

I am looking for ideas for social events and outings for this year. Right now, we are looking into another Brewery Tour, a Swamp Rabbits Tour and Hockey Game, as well as a Gun Range Tour. If you have any other events you are interested in, please let me know!

Government Affairs Committee



Rodney Hinton

GAC

rhinton@palmettoairbalance.com

Greetings from ASHRAE GAC! Chapter Government Affairs has gone through some recent changes - **The Grassroots Government Advocacy Committee officially changed its name to the Government Affairs Committee.** This name change came after discussions were held within the Committee and with ASHRAE leadership. This is a Society-wide change so we

look forward to working with the Chapter Government Affairs Committees.

Also, the Public Policy Priorities for SY2018-2019 have been posted and these priorities contain 5 major categories:

- Building Performance Optimization
- Public Safety
- Indoor Environmental Quality (IEQ)
- Residential
- STEM and Workforce Development

The full Public Policy Report can be viewed at this link: [GAC PUBLIC POLICY PRIORITIES 2018-2019](#)

Another major focus is to participate in a *Day on the Hill Event* – we will post more about this in the near future! If you are interested in serving on this committee, please do not hesitate to call or email. Thank you, I look forward to seeing you at our next meeting.

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. Please continue to support ASHRAE by becoming a “Presenting Sponsors” at one of our future meetings. If you are interested in being a presenting sponsor, please let me know as these opportunities are filling up fast.

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

ASHRAE Winter Conference

Registration is now open so Start Planning for 2019 ASHRAE Winter Conference, Jan. 12 – 16 in Atlanta, GA



2019 ASHRAE WINTER CONFERENCE
JANUARY 12–16 // **AHR EXPO** JANUARY 14–16

The **2019 ASHRAE Winter Conference & AHR Expo** is your can't-miss industry event of the year. Join the world's brightest thinkers and most influential sustainability leaders for a closer look at today's demanding challenges, emerging trends, and biggest opportunities in the HVAC&R industry.

If you'd like to register now, please click the link below:

<https://www.ashrae.org/conferences/winter-conference>

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



GOVERNMENT ACTION

DOE Funding 'Promising' Energy Technologies

WASHINGTON, D.C.—The U.S. Department of Energy (DOE) has announced more than \$20 million in funding for 64 projects supported by DOE's Office of Technology Transitions (OTT) Technology Commercialization Fund (TCF). With additional matching funds from the private sector, these projects will advance promising commercial energy technologies and strengthen partnerships between DOE's national labs and private sector companies to deploy energy technologies to the marketplace.

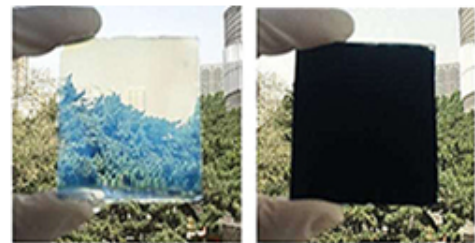


World Bank Assists India in \$220 Million Energy Efficiency Initiative

THE FUTURE

'Smart' Window Also Kills Microorganisms

SHANGHAI, China—Researchers at universities in China have developed "smart window" technology that can control sunlight and heat, as well as kill bacteria on the window. In a [paper](#) describing the technology, they say it can virtually eliminate E.coli from the glass. The researchers designed an electrochromic-photothermal film composed of 3-D tungsten trioxide (WO₃) embedded with gold nanostructures. The WO₃ controls visible light, and the gold nanostructures convert sunlight into thermal energy that heats the building's interior. Elements used to create the film, particularly copper, have antimicrobial properties.



CORPORATE ACTION

Danfoss Building Cooling Development Center in China

HAIYAN, China—Danfoss has broken ground on a new application development center (ADC) for its cooling business in China. The new ADC will join three existing global Danfoss Cooling ADCs in Denmark, India and the U.S. According to Danfoss, ADCs "enable [clients] to test new solutions and improve performance on applications in a live environment." The 5600 m² (60,300 ft²) ADC will include four side-by-side psychrometric testing facilities. One will be dedicated to VRF systems and one will be for air-cooled chillers, as well as test loops for water-cooled chillers.



PHOTO: A rendering of the under-construction ADC. SOURCE: Danfoss

ALL THIS AND MUCH MORE ON THE LINK BELOW:

[ASHRAE HVAC&R INDUSTRY NEWS](#)

ASHRAE JOURNAL

THE MAGAZINE OF HEAVEN TECHNOLOGY AND APPLICATIONS



As a valued subscriber to **ASHRAE JOURNAL** magazine, we would like to welcome you to the **ASHRAE JOURNAL** Product Information Service. You can instantly request product and service information from our September 2018 issue.

The new ASHRAE Journal is available! All of these products can be accessed and request from the ASHRAE Website at the link below:

[ASHRAE JOURNAL ONLINE](#)