Today's Agenda

- Lunch begins 11:30AM
- Meeting 12:00PM
- 2023-2024 Sponsors
- Chapter Sponsorship Opportunities
- Membership and Guest Introductions
- Upcoming Events
- Main Speaker Introduction





Thank You 2022-2023 Chapter Sponsors

2022-2023 PLATINUM SPONSORS















2022-2023 GOLD SPONSORS















Thank You 2023-2024 Platinum Sponsors

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Reach out to our RP Chairs Paul Shelor & Kyler Asia if you are interested in chapter sponsorship.

Paul.Shelor@gmail.com

Kyler.Asia@carrier.com





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Why is Research Promotion so important?

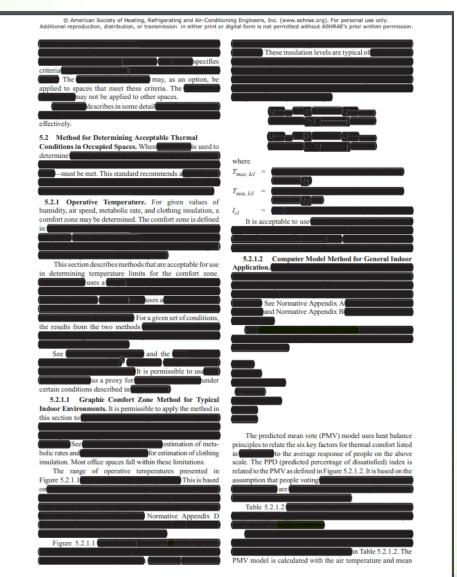
The RP Campaign benefits the funding of numerous ASHRAE programs including:

- ASHRAE Research
- ASHRAE Scholarships for undergrads
- ASHRAE Learning Institute development of new courses
- Graduate Research Projects
- Young Engineers in ASHRAE Leadership Training





Standard 55
Without
Your
Support





ANSI/ASHRAE Standard 55-2010

Heating
Projects
Funded by
ASHRAE
Research

- 1196-RP Develop Software to Calculate the Application Seasonal Efficiency of Commercial Space Heating Boiler Systems Based on ASHRAE Standard 155P
- 1267-RP Development of an ASHRAE Design Manual for District Heating and Cooling Systems
- 1322-RP Productivity and Perception Based Evaluation of Indoor Noise
- 1385-RP Development of Design Tools for Surface Water Heat Pump Systems (SWHP)
- 1458-RP Modeling Person-to-Person Contaminant Transport in a Mechanical Ventilation Space
- 1478-RP Measuring Air-tightness of Mid- and High-rise Non-residential Buildings
- 1504-RP Extension of the Clothing Insulation Database for Standard 55 and ISO 7730 to Provide data for Non-Western Clothing Ensembles
- 1544-RP Establishing Benchmark Levels and Patterns of Commercial Building Hot Water Use
- 1550-RP Thermal Performance of Insulating Coatings on Piping and Ductwork
- 1564-RP Measurement of Oil Retention in the Microchannel Heat Exchanger
- 1613-RP Update Climatic Design Data in Chapter 14 of the 2013 Handbook of Fundamentals
- 1624-RP Effective Energy-Efficient School Classroom Ventilation for Temperate Zones
- 1646-RP Measurements of Thermal Conductivity of Pipe Insulations at Below Ambient Temperatures and in Wet Condensing Conditions with Moisture Ingress
- 1674-RP Research to Support the Revision to Ground Source Heat Pump: Design of Geothermal Systems for Commercial and Institutional Buildings (ASHRAE 1997)
- 1699-RP Update Climatic Design Data in Chapter 14 of the 2017 Handbook of Fundamentals
- GIA 13-14 Air-Side Economizer Low-Limits Effect on Energy and Thermal Comfort
- GIA 13-14 Assessing the Performance of Buildings Due to Extreme Weather and Climate Change
- GIA 14-15 Development and evaluation of novel membrane liquid desiccant air conditioning systems for hot-humid and cold-dry climates
- GIA 14-15 Integrating thermal energy storage into hybrid solar assisted heat pump systems for residential houses in cold climate
- GIA 14-15 Numerical and experimental investigation of control schemes for small scale ammonia water absorption heat pumps





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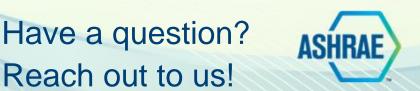
Webmaster
Chris Adams
cadams@insightusa.com





New Members or New Guests?





Upcoming Events:

<i>~~~</i>			
Event Name	Date	Time	Location
1st Chapter Meeting: "Humidity Controls for Commercial Buildings" by Mark Nunnelly, PE, CxA	9/7/2023	11:30AM-1PM	Lenny Boy Brewing
YEA Happy Hour – Open tab!!	9/21/2023	5PM-7PM	Wooden Robot
<u>2nd Chapter Meeting:</u> "High Performance Building Design – What the Future Holds for the Direction of Our Industry" – Tom Lawrence	10/5/2023	11:30AM-1PM	Lenny Boy Brewing
3rd Chapter Meeting = ?	11/2/2023	11:30AM-1PM	Lenny Boy Brewing
Fall Annual Golf Tournament for RP w/ AEE	11/8/2023	10AM-6PM	Verdict Ridge
Tech Hour Virtual Meeting – PDHs Available	12/7/2023	11:45AM-1PM	Virtual Meeting
Christmas Auction and 2022-2023 Donor Recognition Event	December?	6РМ-9РМ	?





Humidity Controls for Commercial Buildings

Mark Nunnelly is a mechanical engineering graduate of Auburn University, is a registered professional engineer in several states and a Certified Commissioning Authority. He has been involved in the construction, energy, engineering, and HVAC industry for over 42 years. Mark is the President of Nunnelly & Associates, Inc. The company began as a manufacturers' representative agency in 2000 focusing on engineered sales and application of specialty HVAC products pertaining to humidity control, ventilation air conditioning, energy recovery technologies and other custom air handling products. In 2008, the company's focus transitioned into forensics consulting, building commissioning and professional technical training opportunities. Mark has been a member of ASHRAE since 1985 and has actively served at the local, regional and society levels. Mark is a past President of the Birmingham Chapter and has served as Regional Vice Chair for Membership for Region VII, and as Vice Chair and Chair of the Membership Promotion Committee of Society.







Humidity Controls for Commercial Buildings

For over 20 years, Mark has been recognized as one of ASHRAE's Distinguished Lecturers and has conducted numerous training seminars and short courses for the Society and for local chapters on topics such as Psychrometrics, Designing for Humidity Control and IAQ Issues, both domestically and internationally. He previously served on the Environmental Health Committee for the Society, has served on several technical of Society's committees and has been a technical contributor to ASHRAE's Handbook of Fundamentals. Mark has authored several technical articles for Industry journals regarding humidity control and IAQ concerns within hospitals, including "Why is it Raining in my Operating Room?", "MOLD: Design or Operations Issue?", and "Preventing Mold in Hospitals".

In his spare time, Mark enjoys spending time with his wife, children and 7 grandchildren. He is also very involved in his church (Shades Mountain Baptist Church) as a teacher and a deacon.





