ASHRAE RESEARCH: HELPING YOU SURVIVE WINTER

Research Projects Keeping You Warm This Winter

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
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
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

For more information on these projects, visit:
https://www.ashrae.org/standards-research-technology/research#researchproject