



ASHRAE
SUPPORTING
TOMORROW, TODAY
FOUNDATION

ASHRAE FOUNDATION IS



GIFTS



EDUCATION



SCHOLARSHIPS

Verle Williams said the Charitable Remainder Trust he and his wife Mary Sue established with ASHRAE Foundation was...
“a way of giving back to the industry that helped us make our life together. ASHRAE is the future of this industry, and we were happy to be a part of that.”

Verle Williams
ASHRAE Member since 1962

AND SO MUCH MORE...



OUR MISSION:

To provide a permanent financial resource to support the society and its mission to benefit the public.



ASHRAE FOUNDATION

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) has a century-old record of advancing the arts and sciences of HVAC&R to serve the needs of its members and the population at large.

In 1994 ASHRAE created the ASHRAE Foundation, an endowed trust that supports professional development and research programs and provides engineering students with much needed scholarship assistance. ASHRAE Foundation ensures that ASHRAE will continue to have sufficient resources to sustain and expand the society's important work for years to come.

Creation of the endowment was in response to a vital need for increased funding for ASHRAE programs and projects. Since its inception, the foundation has flourished and supported important projects such as continuing education with ASHRAE Learning Institute (ALI), awarding nearly \$100,000 in student scholarships annually and supporting research initiatives that might not otherwise have been funded. The foundation now recognizes the need and has accepted the challenge to provide the financial support necessary to offer tailored educational programming ensuring that HVAC&R professionals are prepared today for tomorrow's challenges.

ASHRAE Foundation is administered by a board of 18 trustees, many of whom are former presidents of ASHRAE. However, these dedicated ASHRAE members can't do this alone. That's where you come in! There are many opportunities for ASHRAE members to support the foundation in ways from one-time cash gifts to complicated estate planning options. In partnering with ASHRAE Foundation you can make a difference while *Supporting Tomorrow, Today.*

WAYS YOUR FOUNDATION HELPS

- Continued training and educational programs
- Career development and mentoring opportunities for students
- Scholarship support
- Continued development of HVAC&R standards and guidelines
- Support for long-term research projects not funded by annual campaign



ASHRAE'S MISSION

To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.



ASHRAE'S VISION

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.



WAYS TO GIVE

Whether you are just starting out with ASHRAE or a lifetime member, you can make a difference with ASHRAE Foundation. Your gifts can help build a future for ASHRAE.



“Establishing a charitable gift annuity was an easy way for me to make a gift to ASHRAE. It provides me with a nice income, and I was able to use the income tax charitable deduction while still benefitting the foundation. For those ASHRAE members who have surplus, a gift annuity is a good place to invest. It’s the type of investment that truly benefits everyone involved.”

Fred Kohloss
Presidential Member
Honorary Trustee
ASHRAE Member since 1949



GIFTS

GIFTS OF CASH AND STOCK

- Outright gift to ASHRAE Foundation
- Immediate tax deduction for full amount of gift or current valuation of stock at the time of sale.

ESTATE AND PLANNED GIFTS

- Create a legacy
- Can generate and provide an income to the donor for the remainder of a lifetime
- Can assist in avoiding capital gains taxes when passing assets to family

A VARIETY OF OPTIONS...

- Bequests
- Life Insurance
- Retirement Plans

GIFTS THAT PAY YOU INCOME

- Charitable Gift Annuities
- Charitable Remainder Trusts

GIFTS YOU MAKE TODAY

- Memorials and Endowments
 - Endow your annual research promotion gift
 - Endow a scholarship
 - Outright gift to create an endowment in support of an area of particular interest
- Provide naming opportunities

For more information or assistance with your estate plans, call Bert W. Huffman, director of development, at (678) 539-1150 or bhuffman@ashrae.org.



ASHRAE LEARNING INSTITUTE (ALI)

ASHRAE's 100 years of experience investing in research on behalf of the HVAC&R industry is unparalleled. This long-term investment has led to the advancement of industry products and standards and has paved the way for improved systems, processes and practices.

ASHRAE members continue to face an expanded need for quality HVAC&R-related education. To meet this challenge, ASHRAE focuses on equipping members with superior knowledge and understanding of the industry's cutting-edge trends, technologies and developments.

In 1999 ASHRAE created the ASHRAE Learning Institute (ALI) in response to the growing need for advanced industry-specific education and training programs. As envisioned, ALI is a primary source of formal HVAC&R learning opportunities, including energy and labor efficiency controls, and management and operations of building systems, serving ASHRAE members and related industries throughout the world.

ALI is the umbrella for ASHRAE's educational programs. ALI utilizes advanced information technologies, traditional instructor-led and self-directed studies to reshape the process and ensure ASHRAE members and recent graduates keep pace with the professional demands of the 21st century.

As the premier educational and training institute within the profession, ALI has a competitive edge in the following three key areas:

- **DEPTH AND BREADTH OF OFFERINGS** ALI offers more than 100 courses in multiple formats and delivery methods including: Professional Development Seminars (PDSs), Short Courses, Self-Directed Learning (SDL), online seminars and eLearning. Companies, ASHRAE chapters and institutions of higher learning may be licensed to offer these programs.
- **AUTHORITATIVE CREDIBILITY OF TECHNICAL SOURCES** To ensure high-quality, accurate technical content, ASHRAE courses are reviewed by experts in the specific field of study.
- **GLOBAL REACH OF CHAPTERS** ASHRAE promotes education through its chapters and chapter meetings throughout the world.

Two motivating factors demonstrate the need and demand for expanded ALI educational programming. First, ASHRAE members and non-members alike must meet continuing professional competency requirements such as the Professional Engineer (PE) license. Second, engineers have an immediate and critical need for information and specific data in the field in order to effectively complete current projects. The need is even greater for engineers within smaller consulting firms, companies with limited resources and international members who have fewer training opportunities.

A key component of the foundation's plan is to provide ALI with resources for developing and utilizing advanced information technologies, along with traditional instructor-based and self-directed studies. As a result, this reshapes the process by which ASHRAE members and recent college/university graduates keep pace with the engineering demands of the 21st century. Areas that have been identified include:

- **EXPANDING THE REACH OF PROFESSIONAL DEVELOPMENT SEMINARS (PDSs) AND SHORT COURSES** For more than 20 years, ASHRAE has offered PDSs and short courses at society meetings and to ASHRAE chapters for local presentation. Through ALI, ASHRAE continues to expand these offerings on the regional level by presenting courses in conjunction with industry conferences around the globe.
- **DEVELOPING AND IMPLEMENTING ONLINE AND INTERACTIVE LEARNING TOOLS** ALI has developed a large library of self-directed, interactive eLearning courses, providing a convenient, inexpensive way for ASHRAE members to participate in training opportunities anytime and anywhere. ASHRAE's educational outreach initiative also involves stewardship of the next generation of HVAC&R professionals who will see advances in technology that one can only dream of today. The foundation will complement ASHRAE's work by providing increased funding for the following programs:

STUDENT INITIATIVES

- **STUDENT DESIGN PROJECT COMPETITION** An annual design competition recognizes outstanding student design projects and encourages undergraduate students to become involved in the industry. Design categories include: Integrated Sustainable Building Design, HVAC&R System Selection and HVAC&R System Design.
- **STUDENT MENTOR PROGRAM** Although most mentoring is done on a local level, ASHRAE collaborates with other organizations during National Engineers' Week each February and the Department of Energy's Solar Decathlon every other October to increase the dissemination of information on the most recent advances and opportunities in the profession. Implementation involves local meetings, technical tours, speaking engagements and career fairs providing students with direct interaction with senior-level engineers.
- **UNDERGRADUATE SENIOR PROJECTS GRANT PROGRAM** Grants are provided to engineering, technical and architectural schools worldwide to increase student knowledge and awareness of the HVAC&R industry. Grants are used to fund equipment and supplies for engineering or architectural senior projects and technical school projects. Grants may cover projects lasting from one term up to one full academic year.
- **STUDENT BREAKFAST/PROGRAM** Every year at the ASHRAE Winter Meeting, students learn more about ASHRAE, its members and fellow students. The society president attends, a special guest speaker enlightens on professional development or industry topics, a career panel provides advice, ASHRAE grant and design competition-winning teams display projects and host sessions related to their school projects. Students may participate in a student-only technical tour of a local facility.
- **ASHRAE K-12 OUTREACH** With the declining number of people entering the engineering profession, the next generation (K-12) needs our leadership now more than ever. ASHRAE is dedicated to ensuring quality STEM programs for teachers and students around the world by providing classroom activities, literature, videos, handouts and other resources via the ASHRAE website. Supporting member outreach and involvement in K-12 classrooms can secure the future of the HVAC&R industry.



EDUCATION

CERTIFICATION

Development and administration of certification programs for HVAC&R professional development is essential to a thriving industry. In 2007 ASHRAE launched its first certification program under the guidance of the Certification Committee, which started as an ad hoc group and is now a standing committee. ASHRAE's certification programs are designed to recognize industry professionals who have, by passing an examination, demonstrated mastery of a body of knowledge deemed by subject matter experts to reflect best practices in a specific field. Each program has its own set of eligibility criteria that combine academic and industry experience to ensure a baseline level of knowledge. In addition, all programs have renewal requirements to ensure that ASHRAE certification holders stay up-to-date in the field(s) in which they are certified.



The ASHRAE Scholarship Program is designed to encourage and assist HVAC&R education through granting scholarships at the undergraduate and graduate levels. The program also serves the public interest by aiding the education of men and women to become qualified HVAC&R engineers.

The Scholarship Program provides individuals, foundations, trusts and corporations an opportunity to assist high-achieving students in engineering education through contributions, grants, bequests and other legal means.

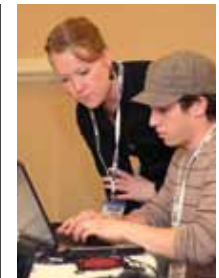
The mission of the ASHRAE Scholarship Program is to motivate students and prospective students worldwide to pursue an engineering or technology career in the HVAC&R field by offering scholarships to provide financial support for their education and training. These scholarships will encourage new members who embrace the ASHRAE mission.

Each year ASHRAE awards 17-19 scholarships worth almost \$100,000.



“ASHRAE Foundation was created to help secure the long-term future of ASHRAE. I believe strongly that the Foundation offers a unique opportunity for members to plant the seed for future generations by endowing support for scholarships.”

A. Damon Gowan
Presidential Member
Foundation Treasurer
ASHRAE Member since 1966



SCHOLARSHIPS

UNDERGRADUATE ENGINEERING SCHOLARSHIPS

Available annually to full-time undergraduate engineering or pre-engineering students enrolled in a post-secondary educational institution provided the student is pursuing a traditionally preparatory curriculum for the HVAC&R profession and at least one of the following criteria is met:

- the degree program is accredited by the Accreditation Board for Engineering and Technology (ABET) in the USA, an equivalent accrediting agency outside the USA that is a signatory of the Washington Accord or has a signed memorandum of understanding with ABET
- the school hosts a recognized ASHRAE student branch

\$3,000

ASHRAE General Scholarships (2)

ASHRAE Memorial Scholarship

Alwin B. Newton Scholarship Named for an industry pioneer who was granted 219 patents.

Duane Hanson Scholarship Named for the president of Gayner Engineers, a consulting mechanical/electrical engineering firm in San Francisco, California.

Henry Adams Scholarship Established by Henry Adams Inc., a consulting firm based in Baltimore, Maryland, in memory of its founder, a charter member and the sixth president of ASHRAE's predecessor society ASHVE.

\$5,000

ASHRAE Frank M. Coda Scholarship Established in memory of the society's executive vice president, who served from 1981-2004.

\$10,000

Reuben Trane Scholarships (4) Two-year scholarship awarded in two disbursements of \$5,000 each. Scholarship was established in memory of Trane's founder, an engineer, inventor and business executive, whose manufacturing enterprise is one of the world's largest in the HVAC&R industry.

Willis H. Carrier Scholarships (2) One-year scholarship established by the Carrier Corporation in memory of its founder, a pioneer in the HVAC&R industry widely known for his significant contributions in establishing air-conditioning as an industry. Carrier is credited with installing the world's first scientifically designed air-conditioning system in 1902.

For more information on endowing a scholarship, contact Bert W. Huffman, director of development, at (678) 539-1150 or bhuffman@ashrae.org.



REGIONAL SCHOLARSHIPS

\$3,000

ASHRAE Region IV Benny Bootle Scholarship Available to full-time undergraduate engineering, pre-engineering or architecture students enrolled in a post-secondary educational institution within the geographic boundaries of ASHRAE's Region IV (North and South Carolina and Georgia), provided the student is pursuing a traditionally preparatory curriculum for the profession of HVAC&R and at least one of the following criteria is met:

- the degree program is accredited by ABET or NAAB (National Architectural Accrediting Board)
- the school hosts a recognized ASHRAE student branch

ASHRAE Region VIII Scholarship Available to full-time undergraduate engineering or pre-engineering students enrolled in a post-secondary educational institution within the geographic boundaries of ASHRAE's Region VIII (Arkansas, Louisiana*, Texas*, Oklahoma and Mexico), provided the student is pursuing a traditionally preparatory curriculum for the profession of HVAC&R and at least one of the following criteria is met:

- the degree program is accredited by ABET
- the school hosts a recognized ASHRAE student branch

*Parts of these states are not within the geographic boundaries of Region VIII. Contact ASHRAE headquarters for eligible schools in these areas.

UNIVERSITY-SPECIFIC SCHOLARSHIPS

\$3,000

ASHRAE Donald E. Nichols Scholarship Available to full-time undergraduate engineering or pre-engineering students enrolled in an ABET-accredited program at Tennessee Technological University. The scholarship was named for a former ASHRAE vice president and graduate of Tennessee Tech.

ASHRAE J. Richard Mehalick Scholarship Available to full-time undergraduate mechanical engineering students enrolled at the University of Pittsburgh. The scholarship was named for a former ASHRAE member and graduate of the University of Pittsburgh who oversaw the development of air-conditioning equipment used in commercial, military, aerospace and transportation applications.

For more information on applying for current scholarships available, contact Lois Benedict, scholarship administrator, at (678) 539-1120 or lbenedict@ashrae.org, or visit www.ashrae.org/scholarships.



ASHRAE FOUNDATION IS
YOU!



WWW.ASHRAE.ORG/FOUNDATION