

# Dr. Frederick E. Giesecke ASHRAE Hall of Fame Nomination

**Honors and Awards:** April 10, 2018

**Name of Nominee:** Dr. Fredrick Ernst Giesecke

**Date & Place of Birth:** January 28, 1869 Latium, Texas (Washington County), U.S.A.

**Last Occupation:** Professor Emeritus of HVAC at Texas A&M University 1945, Retired

**Significant Positions Held:**

Department Head of Texas A&M Drafting 1988,

Department head of Architectural Engineering Texas A&M 1912,

Department Head of Texas University Division of Engineering's Bureau of Economic Development and Technology 1912-1928 & Professor of Architecture

Department Head Architectural & College Architect Texas A&M 1927-1928

Director of Engineering Experiment Station & Professor of Architecture Texas A&M 1928-1939

Professor Emeritus of HVAC at Texas A&M 1938-1946

## **List Outstanding Contributions to the growth of ASHRAE related Technology:**

Dr. Giesecke joined ASHVE in 1917 so and went on to serve on multiple Technical Committees 1921-1953, Councils 1932-41 and Advisory Boards 1941-53, Chairman of the Executive Committee, and on many Research Technical Advisory Committees of ASHVE. He originally joined ASHVE, the predecessor society to ASHRAE becoming very active in ASHVE. He was Secretary of the Austin Chapter ASME 1917-19. There until 1920, he engaged primarily in research as head of the Division of Engineering's Bureau of Economic Geology and Technology. Later served as Director of Texas Engineering Experimental Station (TEES) from 1928 to 1939 during which time the Texas Legislature gave Texas A&M access to the permanent university fund that contained revenue earmarked for use by land-grant colleges. This allowed the university and Dr. Giesecke to plan, design and build numerous buildings on the main campus to the tune of \$3,000,000 in capital improvements between 1929-1937.

**List Other Activity:** Giesecke was a charter member of the American Society of Engineering Education; a member of the American Society of Civil Engineers, the American Society of Mechanical Engineers, the American Institute of Architects, Honorary Member of Tau Beta Pi and Sigma Xi; and a fellow of the American Society for the Advancement of Science and listed as a "WHO's Who in Engineering"..

**Honors & Recognition:** ASHVE President 1940-41, First Vice President 1939-40, Second Vice President in 1938-39, served on the Council 1932-1941, served on Advisory Board 1941-1953, served as Chairman of the Executive Committee, served

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on many Research Technical Advisory Committees of Society. In 1942, he became the fourth recipient of the ASHVE F. Paul Anderson Gold medal Award for his notable contributions in the advance of heating based on his research work in field of heat transfer and hot water heating and for his services as Society Officers and committee. Voted a Life Member of ASHVE the same year.

## Professional Memberships (Include Offices held and Committee involvement):

Inaugural Texas Chapter of ASHVE President in 1937-38  
ASHVE President 1940-41, First Vice President 1939-40, Second Vice President in 1938-39, Served on the Council 1932-1941, Served on Advisory Board 1941-1953, Served as Chairman of the Executive Committee, Served on many Research Technical Advisory Committees of Society:

1921-22 Sub-Committee on Pipe Sizes  
1922-24 Committee on Steam & Return Main Sizes  
1925 Committee on Pipe Sizes  
1929-31 Committee on Research  
1929-36 T.A.C. on Pipe Sizes for Heating Systems  
1931-34 T.A.C. on Pipe & Tubing (Sizes) Carrying Low pressure Steam or Hot water;  
T.A.C. on Radiation Direct or Indirect  
1932 Committee on Infiltration in Buildings  
1933 Guide Publication Committee  
1932-34 Committee on Research  
1934 Executive Committee  
1934-36 Cooperating Committees- ASHVE, Representative National Research Council  
1935 T.A.C. on Comfort Requirements for Summer Cooling  
1935-36 Committee of the Council on Meetings  
1937 T.A.C. on Comfort Air Conditioning OH-22;  
1937 T.A.C. on Intermittent Heating IP-20Cooling  
1937-41 Executive Committee of the Council  
1939 Committee in Engineering Scholarships  
1939, 41, 41, 42, 45-47, & 49 F. Paul Anderson Award Committee  
1943 T.A.C. on Radiation w/Gravity Air Circulation  
1943-45 T.A.C Flow of Fluids through Pipes & Fittings  
1944 T.A.C on Heat Requirements of Buildings  
1944-46 Committee on Research  
1944-46 T.A.C. on Radiation and Comfort  
1947-53 T.A.C. on Panel Heating & Cooling Group A Heat Distribution Within & Behind the Panel

## Publications:

Several books and textbooks including the

“Design of Gravity Circulation Water Heating Systems” published in 1908,

Co-authored Textbook with A. Mitchell & H.G. Spencer “Technical Drawing & Technical Drawing Problems”,

Wrote over 120 Articles for magazines, Bulletins, Research Papers

Wrote and edited four Chapters of Guidebook

“Hot Water Heating, Radiant Heating, & Radiant Cooling” 1947 which included 250 Pages, 25 Chapters and 82 Illustrations and sold for \$4.00.

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**Nomination Submitted By:** Bruce L. Flaniken Houston Chapter Historian  
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Richmond, Texas 77406-7065  
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Email: [bflaniken@yahoo.com](mailto:bflaniken@yahoo.com)

**Family Member/ Representative to Accept Award At ASHRAE Meeting:**

Preston M. "Pete" Geren, III  
Sid W. Richardson Foundation  
309 Main Street  
Fort Worth, TX 76102  
T. 817.336.0494  
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04-11-18

Dear Mr. Flaniken:

Thank you for contacting me and for your interest in my great grandfather. Texas A&M inducted him into the Corps Hall of Fame a few years ago and that was very meaningful for our [family](#). One of my sisters accepted the award. Without knowing the date, no one in our family could make a commitment at this time to attend the ceremony. I can assure you that we would make our best efforts to be there and I am confident it would work for at least one of his great grandchildren, and probably a few of us. All of his grandchildren are [deceased](#). It is meaningful to all of our family for you and ASHRAE to do this research on Dr Giesecke and consider him for such a prestigious honor.

Best regards, Pete Geren

04-10-18

Mr. Geren:

You do not know me!. My name is Bruce Flaniken and I am the Chapter Historian for the Houston Chapter of ASHRAE and I have been researching Dr. Frederick Ernst Giesecke, your great grandfather! I have been working with Ian Muise of TAMU and he gave me this contact info for you> He was one of the founding charter members along with Reg. F. Taylor of the American Society of Heating Ventilating Engineers (ASHVE) in 1937 serving as the inaugural Texas Chapter President of ASHVE. He had been a long time member of ASHVE National Society since 1917, going on to serve as Society Presidential Member in 1940-41, being awarded the fourth F. Paul Anderson Gold Medal Award for distinguished service in 1942 with Willis Carrier being the first winner, as well as being voted a Life member of ASHVE that same year. We they had grown enough by 1939 to decide to split into the North (Dallas) Chapter and the South (Houston) Texas Chapter of ASHVE in 1939, Dr. Giesecke as President Elect of ASHVE National Society he presented the South (Houston) Texas Chapter Charter of ASHVE to Reg. F. Taylor. ASHVE became ASHRAE in 1959.

As chapter historian my non-paying job is to help write up our chapter's history and research and write papers on men, equipment or systems that are related to the Houston Chapter of ASHRAE. The Houston Chapter started up the F.E. Giesecke Memorial Scholarship Fund see attached info.

**The F.E.Giesecke Memorial Scholarship Fund came about by the discontinuing of the F.E.Giesecke Student Loan Fund established by the Houston Chapter in 1954 which was approved by the ASHVE Society for a special Texas operation.**

I plan to publish the History and Biography of Dr. Giesecke on the Houston Chapter ASHRAE Website in a few days where I have published several other Histories. PDFs can be downloaded for reading if you wish. See attached info and URL for access to the website. Additionally, I plan to submit it to the Region VIII ASHRAE Historian for a Society History Gold Ribbon Award and I am going to nominate Dr Frederick E. Giesecke as a candidate for admission to the ASHRAE Hall of Fame along with Willis Carriers and others. They require a member of the Family to receive the Award when it is

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given out which would be about a year from present at either the Winter or Summer Annual Meeting of ASHRAE. Would someone from your family be interested in receiving this Award in his honor, if it is awarded to him!

**Family Member/Representative to accept award at ASHRAE Meeting presentation:** (include name, address, telephone number and email address):

**Name:**

**Street**

**City, State, Zip:**

**Phone:**

**Email:**

[http://ashraehouston.org/Historians\\_Archive\\_Repository](http://ashraehouston.org/Historians_Archive_Repository) and go to the Historians Archive Repository to see the publications that I have researched and documented!

I would be interested in talking to you, if you wish I can be reached at my cell 832-473-1989.

Thank you for your time,

Bruce Flaniken, P.E., LEED®AP  
FELLOW Life Member ASHRAE  
Manager of Facilities System D&C Engineering  
Houston Methodist Hospital  
6565 Fannin, Suite BB1-025  
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# Dr. Frederick E. Giesecke ASHRAE Hall of Fame Nomination

The screenshot shows a web browser window with two tabs: "ASHRAE Houston - Home" and "ASHRAE Houston - Historian's Archive Repository". The address bar displays "ashraehouston.org/Historian\_s\_Archive\_Repository". The page features a dark blue sidebar on the left with a "Quick Links" menu. The main content area is titled "Historian's Archive Repository" and lists several historical documents and presentations with their respective file sizes.

**Quick Links**

- Calendar of Events
- Photo Album
- Historian's Archive Repository
- YEA
- Grass Roots Government Advocacy
- Energy Code Corner
- ASHRAE Student Chapter Texas A&M
- Student Activities
- Refrigeration
- Resource Promotion
- Surveys
- ASHRAE Jobs
- Technical Articles
- Mechanical Code
- Classified Job Listing
- Women In ASHRAE

**Historian's Archive Repository**

- [Houston South Texas Chapter History Thru 2013](#) 7MB
- [80th Anniversary Of ASHRAE Houston](#)
- [First Presbyterian Church Of Texas Part 1](#)
- [First Presbyterian Church Of Texas Part 2](#)
- [2013-2014 ASHRAE Index 05-28-14](#)
- [ASHRAE Houston Timeline 2011 to 2014](#)
- [Houston Chapter History 75th Anniversary CIRC Display April 2014](#)
- [ASHRAE Houston Officers And Committees Thru 2013](#)
- [81st Anniversary Houston Chapters Past Presidents Gallery 02 19 18](#) 6MB
- [Houston Chapter ASHRAE Past Society Presidents 1941, 1953, 1978, 1979, 1991](#)
- [History Of Hot Air Recorder Editors](#) 7MB
- [2012-2013 CIRC Pioneers Of Refrigeration History Presentation](#) 10MB

**From:** Muise, Ian W [<mailto:imuise@arch.tamu.edu>]  
**Sent:** Tuesday, April 10, 2018 12:18 PM  
**To:** Flaniken, Bruce L. <[BLFlaniken@houstonmethodist.org](mailto:BLFlaniken@houstonmethodist.org)>  
**Subject:** Re: Dr. Frederick E. Giesecke Personal History and Biography

Hello Bruce,

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