1. **Call to Order**

Mr. Morasch called the meeting to order at 8:02am.

2. **ASHRAE Commitment to Care**

Mr. Morasch read the Commitment to Care aloud to the committee.

The health and safety of all ASHRAE conference attendees is a top priority. Out of respect for our fellow attendees, we commit to wear masks indoors, monitor our health, seek medical attention if symptoms develop and adhere to all ASHRAE Commitment to Care protocols. We are committed to the well-being of one another.

3. **Code of Ethics and Values Commitment**

Mr. Morasch read the ASHRAE Code of Ethics and Values Commitment aloud to the committee.

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and we shall avoid all real or perceived conflicts of interests.

(Code of Ethics: [https://www.ashrae.org/about/governance/code-of-ethics](https://www.ashrae.org/about/governance/code-of-ethics)

(Core Values: [https://www.ashrae.org/about/ashrae-s-core-values](https://www.ashrae.org/about/ashrae-s-core-values)

4. **Introduction of Subcommittee Members and Visitors**

Committee members and guests introduced themselves and it was noted that the 2021-2022 Historical Committee Roster was posted on Basecamp for committee members to reference as needed.
5. **Review of Agenda**

Mr. Morasch reviewed the agenda with the committee with no new items added for discussion.

6. **Historical Subcommittees**

6.1 **Administrative/Archives**

Members: Remington - Chair, Grusnick, Biyikoglu, Morasch (ExO)

Committee members discussed at length past efforts and the need to continue future efforts to digitize ASHRAE Historical archives including the development of templates and guidelines.

6.2 **Communications/Historians Guidelines**

Members: Feiner - Chair, Sun, Morasch (ExO)

Mr. Morasch explained that the Historian Guidelines document is current and up to date. Mr. Feiner said he would include the Historical Newsletter in his MBOs for the 2022-2023 Society Year.

6.3 **Awards/Leadership Voices**

Members: Feiner - Chair, Pollard, Morasch (ExO)

Ms. Shelia Hayter and Mr. Barney Buroughs have been chosen for the next two Leadership Voices interviews to be filmed. The committee also discussed the importance of including industry innovators and leaders.

Mr. Morasch reminded committee members that the ASHRAE employee assigned videography has left ASHRAE and there is no plan to fill this position again.

Mr. Feiner commented that he would be soliciting suggestions for future Leadership Voices Interviews from committee members. An Action Item was assigned to staff to locate the Leadership Voices Interview recording of Steve Comstock.
7. **Review Actions Items**

The committee reviewed on-going action items.

<table>
<thead>
<tr>
<th>No.</th>
<th>Responsible</th>
<th>Action Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Staff</td>
<td>Posted Approved minutes from Meeting of June 9, 2020.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Completed.</td>
</tr>
<tr>
<td>2</td>
<td>Remington</td>
<td>Meet with a trained archivist to discuss the development of a “finding aid” for ASHRAE's archive.</td>
</tr>
<tr>
<td>3</td>
<td>Nagengast &amp; Remington</td>
<td>Develop parameters and guidelines for content inclusion in ASHRAE's archive.</td>
</tr>
<tr>
<td>4</td>
<td>Feiner</td>
<td>Develop an outline for templates and procedures for document storage ASHRAE's archive.</td>
</tr>
<tr>
<td>5</td>
<td>Remington &amp; Nagengast</td>
<td>Develop an Historical Newsletter.</td>
</tr>
<tr>
<td>6</td>
<td>Feiner</td>
<td>Develop a document reporting on diversity in ASHRAE and the HVACR industry.</td>
</tr>
</tbody>
</table>

8. **Review of Committee MBOs**

Mr. Morasch reviewed Historical Committee’s MBOs shown in Attachment A.

Mr. Feiner stated that on-going MBOs will be carried through to the 2022-2023 Society Year. Committee Members also noted the new year’s Presidential Theme will be “Feeding the Roots of ASHRAE”.

The committee discussed the Gold Ribbon and Lou Flagg awards. Staff reminded committee members that the Gold Ribbon award form and FAQ sheet are located on the ASHRAE website on the Historical Committee page. The Lou Flagg Award section in the same location on the ASHRAE website includes award criteria, award form with instructions, requirements, two winning paper and a list of all winners. Additionally, there are several Regional histories and timelines.

The committee discussed that although they do not endorse candidates for either Hall of Fame or Pioneers of the Industry, both individuals and/or the committee can nominate someone.

9. **Partnerships with other organizations**

Mr. Morasch presented committee members a proposal he has developed for a vote of support. (Attachment B) & (Attachment C)

(1) **That Historical Committee approve a proposal to Partner with United Engineering Foundation, AiAA, AIChe, ASCE, IEEE, SPE & SWE for the purposes of engaging with the Engineering & Technology History Wiki**
Background: In order to sustain membership in perpetuity, and to operate outside of ASHRAE’s normal budget, it is proposed to set up a dedicated endowment fund in the ASHRAE Foundation. It is anticipated that $60,000.00 will be needed to accomplish this goal, based on a 5% return on investment by the Foundation. Fundraising will be needed to raise the endowed amount, including soliciting the Life Members Club, who have well supported Historical activities in the past. Additional funds will be solicited from ASHRAE members, including Regions & Chapters.

Fiscal Impact: None at this time.

Approved 5-0-0 CNV

Mr. Morasch thanked the committee for their support and reported to the committee that he would investigate possibly requesting financial support for this project from ASHRAE Life Members and ASHRAE Foundation.

10. Referral from Region VII

Historical Committee reviewed a PEC Referred Motion from Region VII Fall 2021 CRC, Memphis Chapter Memphis Chapter – Motion 6A (11/4/2021):

“That Regional Historians be added to the Society Historical Committee as full voting members with all rights, and privileges, and responsibilities pertaining thereto.”

(Attachment D)

Background: Currently, the Regional Historians are allowed and encouraged to attend the Historical Committee meetings as guests. They, in effect, have a voice but no vote. There is a vast divide between the work and objectives of the Historical Committee and the expectations of the Regional and Chapter Historians, to the point that replies to Regional and Chapter inquiries of the Historical, Committee are delayed or go completely unanswered. Further, this disconnect between the Historical Committee and the grassroots (e.g. Regions and Chapters) is made publicly obvious by the resources on the Society Historical Committee’s webpage being so old and out of date. In at least one case, the PowerPoint presentation is so outdated as to have the previous ASHRAE logo from nearly a decade ago still on it. Grassroots representation by, and voting authority of, Regional Historians would keep the Historical Committee much more in tune and in contact with the Grassroots and would likely result in a better historical archive and more participation in the Gold Ribbon and Lou Flagg awards programs. This would in turn incentivize Chapters to appoint active Chapter Historians.

Fiscal Impact: $15,000.00 per year (15 Historians x 2 Conferences/yr. x $500 Avg. Airfare)

After much discussion, committee members decided to postpone the motion until after an ad hoc committee could be appointed to investigate the consequences of approving the motion for Historical Committee.

Concerns included Regional Historian term limits and the lack of Regional Historian attendance in the past and the effect that might have on Historical Committee achieving quorum at meeting.
After committee discussion, Mr. Morasch appointed the ad hoc to investigate the issues of this referred motions.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Voting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niss Feiner</td>
<td>Chair</td>
<td>Yes</td>
</tr>
<tr>
<td>Dunstan Macauley</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td>Spencer Morasch</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td>Gary Cooper</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td>Wei Sun</td>
<td>Member</td>
<td>Yes</td>
</tr>
</tbody>
</table>

11. **Other Business**

None.

12. **Adjourn**

Mr. Morasch adjourned the meeting at 12:14 p.m.
<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Metric</th>
<th>Chair Commitment</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Develop proposals to improve opportunities for Regional Historians to participate in Society Historical Committee activities</td>
<td>Max 3-5 best practices</td>
<td>3 &amp; 4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>2</td>
<td>Write PAOE Recommended Changes to 2022-2023 Society Year PAOE</td>
<td></td>
<td>3</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>3</td>
<td>Encourage younger members of ASHRAE to have interest in Historical Awards</td>
<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>4</td>
<td>Update Chapter Historians Training PowerPoint</td>
<td>Add points for submission of a completed MBO with digital live training participation at CRC meetings</td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>5</td>
<td>Plan collaboration with other international societies to improve our historical research and support history-related activities of the Society</td>
<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>6</td>
<td>Continue work on collaboration: HC has links with similar groups in BRESS and AHAIR - opportunity to form a joint scholarly committee in 2021-2022</td>
<td>Max 3-5 best practices</td>
<td>3 &amp; 4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>7</td>
<td>Encourage submission of nominations for Gold Ribbon Awards and the Society Lou Flagg Award</td>
<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>8</td>
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<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>9</td>
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<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>10</td>
<td>Encourage submission of nominations for Gold Ribbon Awards and the Society Lou Flagg Award</td>
<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
</tr>
<tr>
<td>11</td>
<td>Encourage submission of nominations for Gold Ribbon Awards and the Society Lou Flagg Award</td>
<td></td>
<td>4</td>
<td>1st, 2nd, 3rd</td>
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</tbody>
</table>
PROPOSAL

For ASHRAE to join the partnership between the United Engineering Foundation, and the AIAA, AIChe, ASCE, IEEE, SPE & SWE, for the purpose of engaging with the Engineering & Technology History Wiki (ETHW).

The ETHW is administered by the IEEE History Center.

Engineering & Technology History Wiki (ETHW) Home Page:
Engineering and Technology History Wiki (ethw.org)

High level overview of the ETHW - website:
ETHW:About - Engineering and Technology History Wiki

For ASHRAE to join the partnership, will require $3000.00 annual “dues” for membership.

In order to sustain membership in perpetuity, and to operate outside of ASHRAE’s normal budget, it is proposed to set up a dedicated endowment fund in the ASHRAE Foundation. It is anticipated that $60,000.00 will be needed in order to accomplish this goal, based on a 5% return on investment by the Foundation.

Fundraising will be needed to raise the endowed amount, including soliciting the Life Members Club, who have well supported Historical activities in the past. Additional funds will be solicited from ASHRAE members, including Regions & Chapters.

ASHRAE Mission & Vision

Mission: To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields.

Vision: A healthy and sustainable built environment for all.

Joining the partnership will support ASHRAE’s Mission & Vision as follows:

1.) By joining the ETHW, ASHRAE collaborates with other leading engineering societies to document ALL engineering history, and have it housed in a single, readily accessible location. It is a valuable long-term resource / reference that can benefit ASHRAE & it’s membership now and into the future.

2.) “Those that fail to learn from history are doomed to repeat it.” (Winston Churchill).
3.) The key to learning from history is of course to first know what the history is, and the ETHW will help provide the source of historical reference info.

4.) PERFECT EXAMPLE of the need for better documentation & accessibility of historical info: The current pandemic raised questions very early on in the pandemic regarding ASHRAE’s historical documentation of the last major pandemic, which was the Spanish Flu of 1918. A research of ASHRAE’s own historical archives produced little info about the Spanish Flu. The current pandemic has had outstanding results from the ASHRAE Epidemic Task Force. We need to make sure that this work is preserved for use & reference for when the NEXT pandemic occurs! This is just one example of how readily accessible historical info can be applied to ASHRAE’s Mission & Vision.

Current members of the partnership:

AIAA = American Institute of Aeronautics and Astronautics
AIChE = American Institute of Chemical Engineers
AIME = American Institute of Mining, Metallurgical, and Petroleum Engineers
AIST = Association for Iron & Steel Technology
ASCE = American Society of Civil Engineers
ASME = American Society of Mechanical Engineers
IEEE = Institute of Electrical & Electronics Engineers
SPE = Society of Petroleum Engineers
SWE = Society of Women Engineers
SME = Society of Mining, Metallurgy & Exploration

United Engineering Foundation
What is the Engineering and Technology History Wiki (ETHW)?

The Engineering and Technology History Wiki (ETHW) is a website powered by MediaWiki with thousands of articles, first hand accounts, oral histories, milestones, archival documents and lesson plans pertaining to the history of technology. The ETHW is one of the world’s premier sites for the documentation, analysis, and explanation of the history of technology; the scientists, engineers and business people who made these technologies happen; and on the history of the organizations to which these men and women belonged.

The ETHW is developed by a partnership between the United Engineering Foundation, and the AIAA, AIChE, AIME, ASCE, ASME, IEEE, SPE and SWE. It fosters the creation of narratives that not only document the history of engineering practices but also explain when, how, and why these technologies developed as they did. It uses a wiki-based web platform to foster a collaborative online environment that taps into the collective memories, experiences, and knowledge of engineering’s worldwide membership – the men and women who provide the imagination, creativity, and know-how to sustain engineering progress and technological innovation. In time, this site will serve as a central historical repository of all the achievements, ideas, and first-hand knowledge of engineering association members, societies, councils and technical communities. The ETHW will also provide a central location for all materials related to engineering’s organizational history.

Although the contributions to this site are restricted to registered users, the ETHW is also dedicated to making the social, economic, political, and technical aspects of the history of technology accessible to all. The general public is invited to explore and learn about the history of the technologies that have shaped and will continue to shape their lives.

What the ETHW Is Not

The ETHW is not a “how-does-technology-work” site. The scope of the ETHW is historical; instead of focusing on the inner workings of technology, it aims to explain how the technology was developed, who were the major players involved, and what long term significance the technologies have. The ETHW is not only an encyclopedia of the history of technology, but it also contains a full range of materials that relate to the legacy of engineering, including personal accounts, documents, and multimedia objects. In that sense, it is a combination reference guide, blog, virtual archive, and on-line community.

Goal

This site is intended to be the premier global record for preserving and interpreting the history of technological innovation and making that history available to the public. The wiki-based ETHW enables the recording of first-hand experiences of people around the world who have developed technologies’ products and services into the globally accessible public record. The
ETHW will raise the public visibility of the role and historical contributions of engineers, and related professionals in enhancing the quality of life and the global environment.

Unlike other on-line encyclopedias that may include technological topics, the ETHW will be solely focused on the history of technology. The ETHW's content will also be unique. No other wiki site offers the personal accounts of the technical innovators themselves. In other words, this site serves as a living testament to all the important experiences and contributions made by members and others to technological progress from around the globe. As such, the site will never be complete — it will grow and expand continually. It is the mission of the ETHW to be a forum for the community of engineers and innovators, and those who study their work, a networked repository of their memories, knowledge and achievements, a place to share and explore the history of technological innovation.

**The Importance of Shared Experiences**

The ETHW enables its members to record their involvement in technological innovation. Through these First-hand Histories, the ETHW invites and encourages members to share their experiences in developing products and services -- from invention, R&D, design, testing, production and commercialization -- with the world. Ideally these recollections will also include the broader range of experiences that led to members' successes as professionals, including their inspirations, educations, and affiliations. Because of the wiki functionality, the ETHW also enables individuals to contribute their experiences as contributors to a collective First-hand History of a group, such as an R&D lab or design team within a university or corporation.
HISTORICAL COMMITTEE

Minutes
June 24, 2018
ASHRAE Annual Conference Houston

<table>
<thead>
<tr>
<th>Introduction of Members and Visitors:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voting Members present</td>
</tr>
<tr>
<td>Kent Anderson, Chair</td>
</tr>
<tr>
<td>Bruce Flaniken, Vice Chair</td>
</tr>
<tr>
<td>Ahmed Alaa El Din</td>
</tr>
<tr>
<td>Lindsey King</td>
</tr>
<tr>
<td>Bern Nagengast</td>
</tr>
<tr>
<td>Eric Sturm</td>
</tr>
<tr>
<td>Stan Westhoff, Region I</td>
</tr>
<tr>
<td>Pam Immekus, Region IV</td>
</tr>
<tr>
<td><strong>Incoming Voting Member:</strong></td>
</tr>
<tr>
<td>Peggy Fritz</td>
</tr>
<tr>
<td>Branislav Todorovic</td>
</tr>
<tr>
<td><strong>Voting Member via Go to Meeting:</strong></td>
</tr>
<tr>
<td>Oswaldo Bueno</td>
</tr>
<tr>
<td><strong>Region Historians Present via Go to Meeting:</strong></td>
</tr>
<tr>
<td>Tom Pollard, Region II</td>
</tr>
<tr>
<td>Dusty Stoabs, Region VIII</td>
</tr>
<tr>
<td>Dean Borges, Region X</td>
</tr>
<tr>
<td><strong>BOD Ex-Officio:</strong></td>
</tr>
<tr>
<td>Doug Cochrane, BOD Ex-Officio</td>
</tr>
<tr>
<td><strong>Coordinating Officer:</strong></td>
</tr>
<tr>
<td>Edward Tsui</td>
</tr>
<tr>
<td><strong>Guests:</strong></td>
</tr>
<tr>
<td>Jounghwan Ahn</td>
</tr>
<tr>
<td>David Arnold</td>
</tr>
<tr>
<td>H.E. Barney Burroughs, Presidential Member</td>
</tr>
<tr>
<td>Michael Geselowitz</td>
</tr>
<tr>
<td>Jeff Haberl</td>
</tr>
<tr>
<td>Julia Keen</td>
</tr>
<tr>
<td>Chul Kim</td>
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<tr>
<td>Larry Markel</td>
</tr>
<tr>
<td>Kashif Nawaz</td>
</tr>
<tr>
<td>Glenn Remington</td>
</tr>
<tr>
<td>Randy Schecengost</td>
</tr>
<tr>
<td><strong>Staff present:</strong></td>
</tr>
<tr>
<td>Steve Comstock, staff liaison PEC</td>
</tr>
<tr>
<td>Vanita Gupta, Director of Marketing, ASHRAE</td>
</tr>
<tr>
<td>Krys Gilstrap</td>
</tr>
<tr>
<td>Joslyn Ratcliff</td>
</tr>
<tr>
<td>Emily Sigman, staff liaison</td>
</tr>
</tbody>
</table>

**Call to Order:**

Mr. Anderson called the meeting to order at 8:30 am. He invited all those present to introduce themselves and to tell a little bit about themselves.

**Review of Agenda:**

The agenda was reviewed and accepted.
**Current Projects 125th Anniversary: Marketing Promotion Plan**

Mrs. Gupta presented the overall marketing promotion plan for the museum and brochure projects for the 125th Anniversary. She shared the photo of the special logo for the 125th. Someone suggested that members could send photos and selfies of themselves using the AASHRAE 125 logo from all over the world.

Dr. Keen reported that there were some proposed budget cuts that would affect three of the projects for the 125th anniversary.

**Current Projects 125th Anniversary: Oral Histories Presentation**

Ms. Gilstrap presented the concept and plan for filming oral history videos. Attachment B

**Current Projects: IEEE Presentation**

Mr. Anderson introduced Mr. Michael Geselowitz, the senior historian for IEEE.

Mr. Geselowitz made a presentation of the various ways IEEE is preserving history. He shared a number of interesting concepts for making history available to the Society, members, and casual users, including web, awards, oral histories, and work through universities. He stressed the importance of getting the study of history into the curriculum of schools and colleges. He suggested the possibility of collaboration between ASHRAE and IEEE. Attachment C

Mr. Markel raised the question of how to retain young members. General discussion followed.

**ExO Presentation:**

Mr. Cochrane reviewed the ExO presentation to update what Society has accomplished in the last six months as well as to identify any needs. Attachment D

**Current Projects: ASHRAE Milestone/Landmark Proposal:**

Mr. Anderson presented his proposal for an ASHRAE Milestone/Landmark program, possibly tied to the ASHRAE 125th Anniversary. Attachment E

**Motion 2:** Mr. Flaniken moved to approve the project proposal. Mr. Westhoff seconded the motion. Approved 6-0-0

**Current Projects: MOP Revision:**

Mr. Anderson stated that the Historical Committee Manual of Operations (MOP) needed to be revised to reflect the two voting members that were added to the committee beginning SY 2017-18. Mrs. Immekus along with several committee members had worked through revising the document Attachment F

**Motion 3:** Mr. Nagengast moved to accept the revisions to the MOP, Mrs. Immekus seconded the motion. Approved 6-0-0

**Current Projects: Reference Manual Revisions:**
IEEE’S HISTORICAL ACTIVITIES

Dr. Michael Geselowitz, Senior Director

IEEE History Center

June 2018
In 2009, we celebrated our 125th anniversary. Now we are 133 years young, and we are the largest technological association in the world.

When is IEEE?
What is IEEE?

- The world’s largest professional association for the advancement of technology
  - more than 423,000 members in more than 160 countries, more than 50% outside the U.S.
  - 334 Sections in ten geographic Regions worldwide and numerous chapters, affinity groups and student branches
  - 39 Societies and seven technical councils—including Education Society, Professional Communication Society, SSIT, TEMS
  - more than 1,800 standards (including under development)
  - Approximately 200 transactions, journals, magazines
  - More than 1,800 conferences in 95 countries
  - More than 4 million documents in the IEEE Xplore Digital Library, with more than 8 million downloads each month
  - Roots in electrical, electronic, and computing fields and related areas of science and technology that underlie modern civilization
History of History at IEEE

- 1963 – Permanent History Committee in very first bylaws of the merged society—largest & one of the oldest technical societies has responsibility to preserve history of technology (and itself)

- 1980 – History Center professional staff added to assist with centennial celebrations

- 1990 – Center moved to campus of Rutgers University, which became strategic co-sponsor in the history space – emphasis on research

- 2000s – emphasis shifts to outreach

- 2010s – more focus on education within outreach

- 2014 – Center relocates to Stevens Institute of Technology
## The IEEE History Center: Mission

Guided by the IEEE History Committee (which reports to the IEEE Board of Directors)

<table>
<thead>
<tr>
<th>Mission:</th>
</tr>
</thead>
<tbody>
<tr>
<td>To foster preservation of, research into, and dissemination of</td>
</tr>
<tr>
<td>information on the history of IEEE-related technologies, as well</td>
</tr>
<tr>
<td>as IEEE, its members, and their professions and industries</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Produces better, more well-rounded engineers</th>
</tr>
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<tbody>
<tr>
<td>Raises awareness and appreciation of the important role engineers</td>
</tr>
<tr>
<td>play in society</td>
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</tbody>
</table>

<table>
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<tr>
<th>Corrects misconceptions of engineers and their profession</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhances the image of engineers and elevates the prestige of the</td>
</tr>
<tr>
<td>profession in general and IEEE in particular</td>
</tr>
</tbody>
</table>

| Improves technological literacy among citizenry of an increasingly    |
| technological society                                                |
THE IEEE HISTORY CENTER SUPPORT
TOTAL EXPENSES = $1.3M

IEEE Operating Funds
(46%)
(about 1/10% of IEEE Operating Budget)

Stevens Institute of Technology
(strategic educational partner)
in-kind

IEEE Foundation, through
Annual fundraising (10%)
External grant support (3%)
Planned giving Endowment (13%)
REACH Fund (28%)
The IEEE History Center—Resources and Programs

Wealth of information about global history of engineering delivered through the Engineering & Technology History Wiki (ethw.org)

- Oral Histories
- First-Hand Histories
- IEEE Milestones
- University Education
- Pre-University Education: IEEE REACH
- IEEE Archives/Institutional History
Engineering & Technology History Wiki

www.ethw.org – developed by History Center and maintained on behalf of a consortium of engineering associations – IEEE, AIChe, AIME, ASCE, ASME, SPE, SWE (and ASEE has just agreed to join!)

- 1.3 million annual sessions (1.8 million page views; 1.1 million unique users) in 2017 (about 20% increase over 2016, thanks to Google Ad Grant)
- Growth in all content areas (pages in 1000s)
- Innovation map
- Beginning of 2018 launched enhanced timeline feature (NIC grant)
Oral Histories/First-hand Histories

Oral Histories: Over 800 transcripts on the ETHW

First-Hand Histories:
Over 300 on the ETHW
IEEE Milestones

- 9 approvals in 2017; 14 dedications in 6 Regions; full gamut of IEEE fields of interest and 6 decades of history

- 188 total dedicated so far (plus two special citations), 3 so far this year—last month, 1979 silicon switch, UKRI; this month, Moore’s Law (1965), CA

- Endorsed by any OU
University Activities

- Awards: Life Member History Fellowship; William And Joyce Middleton Electrical Engineering History Book Award; SHOT IEEE/Finn Paper Prize; Life Member Internship

- Publications: Numerous articles on the ETHW and in IEEE journals, newsletters, conference proceedings; top Institute articles; managing monthly history feature for Proceedings of the IEEE

- Lectures & conferences

- Library and miscellaneous collections

- Stevens courses, symposia, conferences
University Activities

Technologies of Frankenstein
A Conference at the Stevens Institute of Technology, March 2018

PAGES
Home
Call for Papers: CLOSED
Location
Plenary Event: The Charles E. Robinson Memorial Lecture
Register

Technologies of Frankenstein,
1818-2018
March 7-9, 2018
Stevens Institute of Technology, Hoboken, New Jersey, USA
IEEE REACH: K-12 History of Technology Curriculum

- Material is Inquiry-based C3 compatible (National Council for the Social Studies)
- Beta site (http://reach.ieee.org) launched in December 2016 with two units
- Has six units (three piloted in person)
- Big outreach push—has over 300 registered users with capacity to impact tens of thousands of students; ran teacher PDW
- Won Ayrton Prize for Digital Engagement from the British Society for the History of Science
IEEE REACH Website Wins Prestigious International Prize
- Often do anniversary projects funded by Societies
- Working on “History of IEEE since 1984,” funded by IEEE Societies
During the Members Council November 2021 virtual fall meeting, the council referred the motions below to Publishing and Education Council for consideration. Please note the motions below were not vetted by Members Council. I appreciate your keeping me advised of your actions. Let me know if you have any questions. Thank you.

**Memphis Chapter – Motion 6A (11/4/2021):**
That Regional Historians be added to the Society Historical Committee as full voting members with all rights, and privileges, and responsibilities pertaining thereto.

Background: Currently, the Regional Historians are allowed and encouraged to attend the Historical Committee meetings as guests. They, in effect, have a voice but no vote. There is a vast divide between the work and objectives of the Historical Committee and the expectations of the Regional and Chapter Historians, to the point that replies to Regional and Chapter inquiries of the Historical, Committee are delayed or go completely unanswered. Further, this disconnect between the Historical Committee and the grassroots (e.g. Regions and Chapters) is made publicly obvious by the resources on the Society Historical Committee’s webpage being so old and out of date. In at least one case, the PowerPoint presentation is so outdated as to have the previous ASHRAE logo from nearly a decade ago still on it. Grassroots representation by, and voting authority of, Regional Historians would keep the Historical Committee much more in tune and in contact with the Grassroots and would likely result in a better historical archive and more participation in the Gold Ribbon and Lou Flagg awards programs. This would in turn incentivize Chapters to appoint active Chapter Historians.

Fiscal Impact: $15,000.00 per year (15 Historians x 2 Conferences/yr. x $500 Avg. Airfare)

**Kansas City Chapter – Motion 6B (11/4/2021):**
That non-current ASHRAE Handbook editions be made available to dues-paying ASHRAE members (Full or Associate Member grade) in an electronic format, in lieu of the hardbound handbook.
Background: Many ASHRAE Members have kept older versions of ASHRAE Handbooks for reference in hard copy, however new Members do not have access to older versions of the Handbook and many people have been converting to utilize more digital content.

This could be offered as either a member benefit or an additional revenue stream.

Fiscal Impact: $2,000-3,000.

**Hellenic Chapter – Motion 24 (11/4/2021):**
ASHRAE to include, as per its policy, SI units in its online and instructor led training courses.

Background: ASHRAE’s greatest assets are its technical expertise and training, and thus attracts and sustains members throughout the world. However, most of the training courses are in IP units and practically impossible to use in countries that use SI units. There is also a need to consider international regulations and practices when adapting the material for a global audience.

Fiscal Impact: TBD.