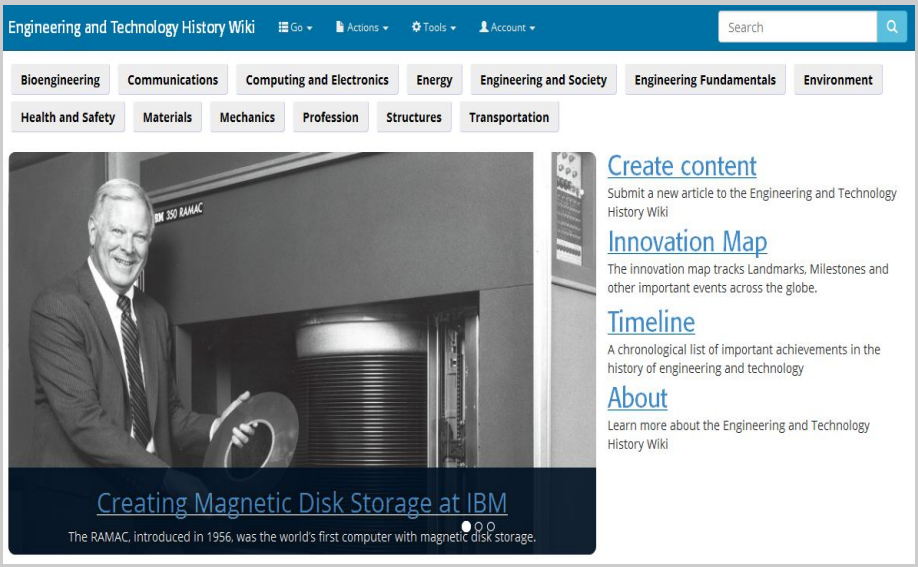
Name of the Tool	**Engineering and Technology History Wiki**
Home Page	
Logo	Engineering and Technology History Wiki
URL	http://ethw.org/Main_Page
Subject	Technology-History-Encyclopedias
Accessibility	Free
Language	English
Publisher	The ETHW is developed by a partnership between the United Engineering Foundation, and the AIChE, AIME, ASCE, ASME, IEEE, SPE and SWE.
Brief History	The ETHW is a MediaWiki-based website dedicated to the history of technology. It consists of articles, first-hand accounts, oral histories, landmarks and milestones and started operating in 2015. Today, the ETHW is a successor to the former IEEE Global History Network (IEEE GHN), which operated from 2008 to 2014.

Scope and Coverage

The scope of the Engineering and Technology History Wiki (ETHW) includes the history of technology and its related fields, encyclopedic articles can widely vary in content. The articles can deal with biographies of individuals, histories of engineering societies, histories of certain technologies and the organizations which developed them. It is a website with thousands of articles, firsthand accounts, oral histories, milestones, archival documents and lesson plans pertaining to the history of technology. The coverage of ETHW is divided into main 13 categories. The following list is the representation of these categories with some of its 2nd level subcategories:

- Bioengineering
  - Anatomy
  - Bioinformatics
  - Biological topics
  - Biomedical computing, etc.
- Communications
  - Broadcasting
  - Communication equipment
  - Communication methods
  - Communication networks, etc.
- Computing and Electronics
  - Automation
  - Circuitry
  - Computational and artificial intelligence
  - Computer applications, etc.
- Energy
  - Alternative energy
  - Electric variables control
  - Electrochemical devices & processes
  - Electromechanical systems, etc.
- Engineering and Society
  - Alternative theories
  - Education
  - Ethics & morals
  - Home & family, etc.
- Engineering Fundamentals
  - Acoustics
  - Design methodology
  - Distillation
  - Fields, waves & electromagnetics, etc.

- Environment
    - Air emissions
    - Arctic engineering & offshore technology
    - Atmosphere
    - Biosphere, etc.

- Health and Safety
    - Accident prevention
    - Aerospace safety
    - Agricultural engineering & food
    - Disasters & accidents, etc.

- Materials
    - 3-d printing
    - Biological & biomedical materials
    - Ceramics
    - Chemicals
    - Composite materials
    - Compounds
    - Conductivity & superconductivity
    - Crystalline materials
    - Dielectrics

- Mechanics
    - Applied mechanics
    - Boilers
    - Elevators
    - Manufacturing & production, etc.

- Profession

    - Business
    - Diversity
    - Economics
    - Engineering education, etc.

- Structures and Transportation.

    - Architectural engineering
    - Bridges
    - Cellular structures
    - Composite and other non-traditional material structures, etc.

- Transportation (there is no subcategories).

Kind of Information	Articles in this website are represented with an introduction and detailed information on that topic, then with list of references and further readings, and lastly with the biographical information of the author of that article. Black and white and colored photographs, diagrams are also given with the topic where applicable.
Special Features	ETHW as a central historical repository for the documentation, analysis and explanation of the history of technology. For this purpose, UEF has made a grant to develop such an engineering intersociety web platform. This work is mainly done at the IEEE History Center, annexed to the Stevens Institute of Technology in Hoboken, NJ.Today, the ETHW is a successor to the former IEEE Global History Network (IEEE GHN), which operated from 2008 to 2014. Therefore, most content is related to electrical, electronics and computer engineering so far. As the fields of civil engineering, mining, metallurgical and petroleum engineering, chemical engineering and mechanical engineering will be covered by members of the respective organizations in the future; ETHW is intended to be a global record for preserving knowledge of the history of technological innovation in a broad sense. It differs from other online sources, as personal accounts of technical innovators as primary sources are made available to the public.
Arrangement Pattern	The categories and the subcategories are arranged alphabetically.

Example 1. :
(Alphabetical arrangement of main categories)

Bioengineering
Communications
Computing and electronics
Energy
Engineering and society
Engineering fundamentals
Environment
Health and safety
Materials
Mechanics
Profession
Structures
Transportation

Example 2. :
(Alphabetical arrangement of sub categories under Engineering and Society)

Alternative theories
Education
Ethics & morals
Home & family
International affairs & development
Law & government
Leisure
Music
Social responsibility
Surveillance
Transportation planning

Example 3. :

(Alphabetical arrangement of pages or articles under the category "Biological topics")

Remarks

The ETHWfosters 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. According to their site, the ETHW will also provide a central location for all materials related to engineering's organizational history. 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.

Comparable Tools

- Enggcyclopedia

(http://www.enggcyclopedia.com/)

	➢ Enggpedia (http://www.enggpedia.com/) ➢ Wiley Encyclopedia of Electrical and Electronics Engineering (http://onlinelibrary.wiley.com/book/10.1002/047134608X) ➢ New World Encyclopedia : Engineering (http://www.newworldencyclopedia.org/entry/Engineering) ➢ Encyclopedia of chemical engineering equipment (http://encyclopedia.che.engin.umich.edu/) ➢ DiracDelta.co.uk science and engineering encyclopedia (http://www.diracdelta.co.uk/) ➢ Online Britannica (https://www.britannica.com/technology/engineering)
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