

## Region 8 History Activities – Final report 2021-2022

### Composition and contact information

- Coordinator (2021-2022): Martin Bastiaans
- Corresponding member: Past Coordinator (2013-2020): Anthony Davies
  
- Corresponding member: Antonio Savini, IEEE History Committee chair (2022-2023)
- Corresponding member: Evgen Pichkalyov, IEEE History Committee member (2022-2023)
- Corresponding member: Sergei Prokhorov, IEEE History Committee member (2022-2023)
- Corresponding member: Mislav Grgić, IEEE History Committee member (2021)
  
- We can be contacted at [history@ieeer8.org](mailto:history@ieeer8.org) (but put [m.j.bastiaans@ieee.org](mailto:m.j.bastiaans@ieee.org) in CC).
- We maintain two webpages on the R8 website: [History Activities](#) and [History](#).
- The R8 [History Activities](#) webpage is updated on a regular basis. Visit the page to see the latest news about recent, ongoing, and future history activities in Region 8.
- The Region 8 [History](#) webpage and the [Region 8 history book](#) are updated when new information becomes available. This webpage and the history book are also great sources of information for Sections' histories.

### Mission and Statement of authority

#### Mission

To stimulate in the Region's subunits the awareness and importance of history, the proper documentation of their history, and the organization of history-related activities.

#### Statement of authority

1. Document the Region's history and make the documentation publicly available on the Region's website and through the Engineering and Technology History Wiki.
2. Support the Region's subunits in properly documenting their history.
3. Support the Region's subunits in their history-related activities— such as (but not limited to) preparation of IEEE Milestones, arranging of Oral Histories, and organization of history-related meetings and conferences — and assist in establishing necessary contacts with relevant IEEE organizational units.
4. Maintain a strong relation with the IEEE History Committee and the IEEE History Center

The History Activities Operations Manual can be found [here](#) (.pdf).

## Milestone dedications

- 21-01-2021 [Rotating fields and early induction motors, 1885-1888](#), Torino, Italy Section (#211)
- 03-02-2021 [Gravitational-wave antenna, 1972-1989](#), Cascina, Pisa, Italy Section (#212)
- 18-05-2021 [Multiple silicon technologies on a chip, 1985](#), Agrate Brianza, Milano, Italy Section (#217)
- 15-12-2021 [Giovanni Giorgi's contribution to the rationalized system of units, 1901-1902](#), Rome, Italy Section (#220)
- 08-04-2022 [String galvanometer to record a human electrocardiogram, 1901-1905](#), Leiden, Benelux Section (#222)
- 17-06-2022 [Active shielding of superconducting magnets for MRI, 1984-1989](#), Eynsham, Oxfordshire, UK and Ireland Section (#224)
- 21-06-2022 [Manchester University "Baby" computer and its derivatives, 1948-1951](#), Manchester, UK and Ireland Section (#225)
- 21-06-2022 [The Atlas computer and the invention of virtual memory, 1957-1962](#), Manchester, UK and Ireland Section (#226)
- 20-10-2022 [Budapest metroline No. 1, 1896](#), Budapest, Hungary Section (#229)
- 25-10-2022 [First computerized tomography \(CT\) X-ray scanner, 1971](#), Hayes, Middlesex, UK and Ireland Section (#231)

In its November 2021 meeting, the IEEE Board of Directors has revoked Milestone #46 (originally entitled *Marconi's early wireless experiments, 1895*, and later renamed to *Early Swiss wireless experiments, 1897*, with an updated citation), which was located in Salvan, Switzerland.

The total number of dedicated [Milestones in Region 8 \(.xlsx\)](#) is currently 59, with 61 plaques located in 18 Sections: UK and Ireland (20); Italy (9); Germany (6); Benelux, France (4); Israel, Poland, Russia (Northwest), Spain, Switzerland (2); Croatia, Denmark, Hungary, Norway, Serbia and Montenegro, South Africa, Sweden, and Ukraine (1). Note that France and UK and Ireland have one Milestone (#44) in common, with different citations on the plaques, and that one of the Milestones in Poland (#205) has a duplicate plaque in Germany.

In addition to the actual Milestones, there are 2 Special Citations: one in Serbia and Montenegro (Belgrade) and one in Germany (Paderborn).

## Special Citation dedication

- 23-10-2021 [Heinz Nixdorf MuseumsForum, 1996](#), Paderborn, Germany Section

## Milestone approval dates, not yet dedicated

- 30-09-2022 [MPEG multimedia integrated circuits, 1984-1993](#), France Section
- 20-11-2022 [Invention of sonar, 1915-1918](#), France Section
- 20-11-2022 [The birth of electrodynamics, 1820-1827](#), France Section

## Submitted Milestone proposals currently under discussion by the IEEE History Committee

- 17-11-2018 [First control of a physical object \(robot\) using signals from a human brain, 1988](#), North Macedonia Section
- 16-04-2021 [ADSL: expediting broadband internet access for society, 1993-1997](#), Benelux Section
- 24-04-2022 [The development of the cavity magnetron, 1939-1941](#), UK and Ireland Section
- 16-11-2022 [Long distance transmission of electrical power using three-phase alternating current, 1889-1912](#), Germany and Poland Sections

## HISTELCON

- HISTELCON 7, *How computer technologies and telecommunication change society and economy*, originally planned for Moscow, Russia, 18-20 August 2021, took place as an online event on 10-12 November 2021.
- The proceedings of HISTELCON 1 through 7, available at IEEE Xplore, are now freely accessible for everyone without any payment; see also the [HISTELCON entry](#) on ETHW.
- HISTELCON 8, *Science and technology or technology and science?*, is scheduled to take place as a hybrid event in Florence, Italy, on 7-9 September 2023.

## Updates in the [Region 8 History book \(.pdf\)](#) and the associated excel sheets on the [Region 8 History webpage](#)

- Section 2.4 [Chronological list of Region 8 Sections and Subsections \(.xlsx\)](#)
- Section 2.5 [Geographic Unit statistics at year end \(.xlsx\)](#)
- Section 2.6 [Membership statistics at year end \(.xlsx\)](#)
- Section 3.1 [Chronological list of Region 8 Directors \(.xlsx\)](#)
- Chapter 5 [Chronological list of Region 8 Committee meetings \(.xlsx\)](#)
- Chapter 6 [Chronological list of Region 8 Conferences \(.xlsx\)](#)
- Section 7.5 [Chronological list of Region 8 Student Paper Contest finals \(.xlsx\)](#)
- Chapter 8 [Chronological list of Region 8 Award Recipients \(.xlsx\)](#)
- Section 9.2 [Chronological list of IEEE Milestones in Region 8 \(.xlsx\)](#)
- [List of Oral Histories related to Region 8 \(.xlsx\)](#)

## Special projects

- [Scanned versions](#) of all Region 8 News issues until November 2001 (Vol. 4, Nr. 4) have been made available, together with an index to Section news in issues 1 (December 1967) until 122 (May 1998).
- (Scanned) versions of almost all Region 8 Committee meeting minutes have been made available: [1962-1970 \(.pdf\)](#), [1971-1983 \(.pdf\)](#), [1984-1993 \(.pdf\)](#), [1994-2009 \(.pdf\)](#), and [2010-2020 \(.pdf\)](#).

## Miscellaneous

The History Activities Coordinator participated and gave presentations in the four Region 8 Committee meetings (Virtual, 20-21 March 2021; Frankfurt, 6-7 November 2021; Warsaw, 2-3 April 2022; Cairo, 15-16 October 2022), the Region 8 Strategy Retreat (Geneva, 10-11 September 2022) and the Region 8 Life Members Affinity Group in-person meeting ([Prague](#), 27 October 2022), and represented Region 8 at the Milestone dedication ceremonies in Paderborn (23 October 2021), Leiden (8 April 2022) and Manchester (21 June 2022).