A. Focal points for 2021

Note: Please refer to the previous report for the highly appreciated actions by the Sections.

  The IEEE Milestones program honors significant technical achievements in all areas associated with IEEE. It is a program of the IEEE History Committee, administered through the IEEE History Center. Milestones recognize the technological innovation and excellence for the benefit of humanity found in unique products, services, seminal papers and patents. Milestones are proposed by any IEEE member, and are sponsored by an IEEE Organizational Unit, such as an IEEE Section, Society, Chapter or Student Branch. After recommendation by the IEEE History Committee and approval by the IEEE Board of Directors, a bronze plaque commemorating the achievement is placed at an appropriate site with an accompanying dedication ceremony.

- **Documenting the history of Region 8 Sections** at the Engineering and Technology History Wiki, see [https://ethw.org/](https://ethw.org/)
  The Engineering and Technology History Wiki (ETHW) is a wiki-based platform that allows IEEE members and Organizational Units to collaboratively preserve and share their history (including, for instance, the history of individual IEEE Sections). ETHW hosts the Milestones, Oral Histories, and Archives programs, and also allows IEEE members to contribute to Wikipedia-style topic articles or to preserve their own first-hand histories.

  The book *A short history of IRE Region 9 / IEEE Region 8* presents a history of IEEE Region 8 spanning its origins from the IRE Region in Europe, through the IRE/AIEE merger forming the IEEE and subsequently to the present day Region 8 consisting of Europe, the Middle East, and Africa. Included are personal reflections of past directors, committee meetings and conferences, student activities, award recipients from Region 8, and Region 8 history papers presented at HISTELCON 2012. A number of archival documents are attached as appendices, including ephemera and minutes from early Region 8 Committee meetings. The table of contents of the book has been added at the end of this report for easy reference.

- **A few minor focal points**
  1. **HISTELCON 2021**, How computer technologies and telecommunication change society and economy, Moscow, Russia, 10–12 November 2021 (in hybrid form).
  2. **History of IEEE since 1984** is a wiki webpage that is currently in progress.

B. Recent Milestone dedications in Region 8

Due to COVID-19, there were no dedications in 2020. The following dedications in 2021 were partly virtual and could be followed via live streaming.

- **Torino, Italy**, Rotating fields and early induction motors, 1885–1888
  Dedicated 21 January 2021 – IEEE Italy Section
  Galileo Ferraris, professor at the Italian Industrial Museum (now Polytechnic) of Turin, conceived and demonstrated the principle of the rotating magnetic field. Ferraris’ field, produced by two stationary coils with perpendicular axes, was driven by alternating currents phase-shifted by 90 degrees. Ferraris also constructed prototypes of two-phase AC motors. Rotating fields, polyphase currents, and their application to induction motors had a fundamental role in the electrification of the world.

- **Cascina, Pisa, Italy**, Gravitational-wave antenna, 1972–1989
  Dedicated 3 February 2021 – IEEE Italy Section

- **Agrate Brianza, Milano, Italy**, Multiple silicon technologies on a chip, 1985
  Dedicated 18 May 2021 – IEEE Italy Section
  SGS (now STMicroelectronics) pioneered the super-integrated silicon-gate process combining Bipolar, CMOS, and DMOS (BCD) transistors in single chips for complex, power-demanding applications. The first BCD super-integrated circuit, named L6202, was capable of controlling up to 60V-5A at 300 kHz. Subsequent automotive, computer, and industrial applications extensively adopted this process technology, which enabled chip designers flexibly and reliably to combine power, analog, and digital signal processing.
C. Approved Milestones in Region 8 – dedication dates to be decided


A list of all IEEE Milestones and Special Citations in Region 8 with links to ETHW and to their locations on Google maps, including the ones that are currently under investigation by the IEEE History Committee, is available here (.xlsx).

D. Upcoming events

- HISTELCON 2021 How computer technologies and telecommunication change society and economy, Moscow, Russia, 10–12 November 2021 (in hybrid form)

HISTELCON is a Region 8 flagship conference held every two years on the history of electrical engineering, electronics, computing, their applications, and their impact on humanity’s social development. HISTELCON 2021 is already the seventh HISTELCON conference, with predecessors in Paris (2008), Madrid (2010), Pavia (2012), Tel-Aviv (2015), Kobe (2017, together with Region 10), and Glasgow (2019).


E. Activities of the History Activities Coordinator

- Updated the History Activities webpage and the History webpage on the Region 8 website.
- Updated the Region 8 history book (.pdf).
- Updated the list of IEEE Milestones in Region 8 (.xlsx); see also Section 9.2. in the Region 8 history book.
- Updated the list of awards presented to members who reside in Region 8 (.xlsx); see also Chapter 8 in the Region 8 history book.
- Scanned all the old issues of IEEE Region 8 News and its predecessors – roughly 136 issues, 1092 pages, with a total size of about 0.7 GB – and put them on the Region 8 website, together with an index to news of individual Sections. These old issues contain lots of information about our Sections and may thus form a valuable source of information, especially for those Sections who want to fill the gaps in their history. To help Sections, an index has been created to direct Section leaders to the relevant pages in the issues 1–122 (December 1967 – May 1998) where news about their Section can be found.
- 16-03-2021: Attended (online) the joint Region 8 Life Members and History Activities subcommittees meeting, which was part of the March Region 8 meetings series.
• 20-03-2021: Attended (online) the March meeting of the IEEE Region 8 Committee.
• 21-03-2021: Attended (online) the March meeting of the IEEE Region 8 Committee.
• 23-03-2021: Attended (online) the March meeting of the IEEE History Committee as its treasurer.
• 05-04-2021: Attended (online) the April Region 8 Member Activities team meeting.
• 06-04-2021: Attended (online) the April meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee.
• 08-04-2021: Attended (online) the Region 8 Section Chairs and Life Members Subcommittee meeting as a guest.
• 03-05-2021: Attended (online) the May Region 8 Member Activities team meeting.
• 04-05-2021: Attended (online) the May meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee.
• 05-05-2021: Attended (online) the May meeting of the IEEE History Committee as its treasurer.
• 18-05-2021: Attended (online) the dedication of the Milestone ‘Multiple silicon technologies on a chip’ in Milano.
• 01-06-2021: Attended (online) the June meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee and gave a presentation entitled ‘(Best?) practices for Regions capturing their history’.
• 06-07-2021: Attended (online) the July meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee.
• 13-07-2021: Attended (online) the July Region 8 Member Activities team meeting.
• 02-08-2021: Attended (online) the August meeting of the IEEE History Committee as its treasurer.
• 24-08-2021: Attended (online) the August meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee.
• 07-09-2021: Attended (online) the September meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee.
• 06-10-2021: Attended (online) the October meeting of the IEEE History Committee as its treasurer.
• 12-10-2021: Attended (online) the October meeting of the ‘Future Thinking’ subcommittee of the IEEE History Committee.
• 23-10-2021: Attended the dedication ceremony of the IEEE Special Citation to the Heinz Nixdorf MuseumsForum (HNF) in Paderborn, Germany.

F. Interesting weblinks

• A short history of IRE Region 9 / IEEE Region 8 – [https://ethw.org/w/images/a/a6/R8_history.pdf](https://ethw.org/w/images/a/a6/R8_history.pdf)
• Engineering and Technology History Wiki – [https://ethw.org/](https://ethw.org/)
• List of achievements suitable for Milestones – [https://ieemilestones.org/List_of_Achievements_Suitable_for_Milestones](https://ieemilestones.org/List_of_Achievements_Suitable_for_Milestones)
• List of First Hand Histories – [https://ethw.org/First-Hand/List_of_First_Hand_Histories](https://ethw.org/First-Hand/List_of_First_Hand_Histories)
• More links can be found on the History Activities webpage and the History webpage.
Table of contents of the Region 8 history book ‘A short history of IRE Region 9 / IEEE Region 8’

- Preliminary steps towards and the early history of a new Region
  - Information taken from the Benelux Section archives
  - IRE Region in Europe – Bruce B. Barrow
  - A Region’s ‘Birth Certificate’
  - The start of Region 8 and its Sections – Robert C. Winton
  - IRE/AIEE Merger – Bruce B. Barrow

- The later history of IEEE Region 8
  - The creation of IEEE Region 10 and the extension of Region 8
  - The Eastward spread of Sections in Region 8 – Tony Davies
  - Yugoslavia Section from 1971 to 1992 – Baldomir Zajc
  - The present IEEE Region 8 Sections
  - Geographic Unit statistics at year end
  - Membership statistics at year end

- IEEE Region 8 Operating Committees and Appointed Members
  - Operating Committees
  - Appointed Representatives
  - Appointed Coordinators and Subcommittee Chairs
  - Past Directors gallery

- Personal reflections of Past Directors
  - Jean D. Lebel (Director 1965–1966)
  - Anthony C. Davies (Director 2003–2004)
  - Baldomir Zajc (Director 2005–2006)

- IEEE Region 8 Committee meetings

- IEEE Region 8 conferences
  - EUROCON 71 – Reminiscences by Fritz Eggimann
  - Conference activities in Region 8 – The first 30 years – Jacob Baal–Schem
  - Conference activities in Region 8 – After the first 30 years – Baldomir Zajc

- Student activities
  - The early years of IEEE Region 8 Student Activities – until 1984
  - Student Activities Committee meetings – until 1984
  - Student Branch (and GOLD / Young Professional) Congresses
  - Cross-Sectional Student Branch (and GOLD / Young Professional) Congresses
  - Student Paper Contest Finals

- IEEE Award recipients from Region 8
  - Medal of Honor
  - IEEE Major Medals
  - IEEE Recognitions
  - IEEE Service Awards
  - IEEE Corporate Recognitions
  - IEEE Prize Paper Awards
  - IEEE Technical Field Awards
  - Presidents’ Change the World Competition
  - Member and Geographic Activities Board Awards
  - Educational Activities Board Awards
  - Joint Awards Established with National Societies
  - Region 8 Awards
  - Outstanding Life Members Affinity Groups / IEEE Life Members Affinity Group Achievement Award

- Miscellaneous lists
  - Region 8 News
  - IEEE Milestones in Region 8
  - Miscellaneous

- History papers presented at HISTELCON 2012
  - Researching the roots of IEEE Region 8 – Martin J. Bastiaans
  - Setting up the basis for Region 8 – Jean D. Lebel
  - Conferences, technical societies and development – A history of synergy – Jacob Baal–Schem
  - … Go East, Region 8, Go East … – Anthony C. Davies

- Appendices
  - Minutes of the meeting of the IRE Inter-Sectional Committee
  - Birth certificate
  - IRE Regions after the merger
  - Invitations/agendas for the IRE Region 9 Committee meetings
  - Minutes of the two IRE Region 9 Committee meetings
  - Invitations/agendas for the early IEEE Region 8 Committee meetings
  - Minutes of the early IEEE Region 8 Committee meetings