



2021 IEEE R10 EXCOM Virtual Meeting

Date: 10 January 2021

2020 R10 History Committee Report

Jong Chang Yi
2020 R10 History Committee Chair

History Committee 2020 Report

Committee Structure

1. Chair: Jong Chang Yi
2. Members: Nivas Ravichandran, Bo Peng, Suzuki Takuo, Nia Kurnianingsih, SoYoung Kim

Objectives

1. Promoting applications for IEEE Milestones in R10.
2. Recording the history of Region 10.

Projects / Tasks

1. IEEE Milestone Technologies Web Development
 - Update and Compile IEEE Milestones List
 - Name, Year, Links, Historical Significance
 - Publicize the Recognition Events
 - Potential IEEE Milestones Application Page
2. IEEE R10 History Web Development
 - Region History Update and Post
 - History Web Template Development
 - By Contest or By Designated Development

Budget

1. Project 1: USD 3000
2. Project 2: USD 1000

Total Proposed Budget : USD 4000

Project / Task Measurable

Project 1: Create Active Web Pages in R10 site

Project 2: Call for Templates for Contest

Project 3: Recommendation by ExCom

Timeline & Metrics

1. Project 1: Oct. 2020
2. Project 2: Nov. 2020
3. Project 3: March 2020

Project 1. IEEE Milestone Web Development

- ▶ Current IEEE Milestone Web Page:
https://ethw.org/Milestones:IEEE_Milestones_Program
- ▶ Collect & Summarize the Milestone List by Region and Year for R10 webpage
- ▶ Add Link for Current Status of Milestone submissions, decisions, and recognition events.
- ▶ Add Link for Milestone application, templates, documents, and contacts (Resources)
- ▶ Add Link for local Milestone activities

Milestones:IEEE Milestones Program

IEEE Milestones



Milestone Program Guidelines

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 (OU)—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.

IEEE established the Milestones Program in 1983 in conjunction with the 1984 Centennial Celebration to recognize the achievements of the Century of Giants who formed the profession and technologies represented by IEEE.

Each milestone recognizes a significant technical achievement that occurred at least twenty-five years ago in an area of technology represented in IEEE and having at least regional impact. As of 2016, more than a hundred and sixty IEEE Milestones have been approved and dedicated around the world.

Special Citations

The IEEE History Committee also administers a special citation program to recognize events or institutions which – although not technical achievements as defined by the Milestone Program – have substantial holdings pertaining to the history of IEEE or of a technical society.

Lists of IEEE Milestones

- Chronological List of IEEE Milestones by date of List updated: 28 December 2019
- List of Milestones according to year dedicated
- List of Milestones by Region
- IEEE Milestones Status Report to see Milestones
- Gallery of Self photos at IEEE Milestone plaques

Is your organizational Milestone proposal?

The History Committee is always open to Milestone proposals. Proposing a Milestone page for guidelines and more information. If you are looking for ideas for technical achievement which might be suitable for proposal, but which you are not sure your intended milestone is not.

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You must be logged into the IEEE Milestones Wiki and submit a proposal using the link. It will show you the list of proposals which you

Milestones Status Report

REPORT ON THE STATUS OF MILESTONES IN SUBMISSION/APPROVAL/DEDICATION PROCESS

List updated: 28 December 2019

This ongoing report shows the status of Milestones in the various stages of the process, updated continually by IEEE History Center staff. Milestones are listed with their dedication numbers. The IEEE Region and the sponsoring organizational unit are shown in parentheses. Please note the titles given here are shortened or working titles, not the full or official titles. While in the approval process, proposals have a History Committee advocate assigned to them, whose initials are given in brackets.

To see a count of how many IEEE Milestones have been dedicated, click List of Milestones by year dedicated

For a list of dedicated Milestones in chronological order by date of achievement, see Chronological List of Milestones

To see how many Milestones have been dedicated in each Region and Section, see List of Dedicated Milestones by Region

Interested in proposing a milestone? Any IEEE member can submit a milestone proposal. Here is a list of important achievements suitable for proposal, and which we encourage a proposer to consult the Milestones Guidelines and submit. This list is not exclusive: if you know of other achievements you wish to submit, you are welcome to do so.

A. ADVOCATES NEEDED FOR THE FOLLOWING MILESTONES:

Docket Number	Short Name	Advocate Initials	Region	Sponsoring Org Unit	Submitted/Completed/Support Date	Section better received?	Date owner better received?	Plaque payment received?
2019-08	Inventory of Computer	ADVOCATE	Region	IS				
2019-08	Calculus	ADVOCATE	Region	IS				
2019-08	Supply	ADVOCATE	Region	IS	20 December 2019			

Project 1 – IEEE Milestone Web Development

- ▣ Update and post IEEE Milestone List in R10 (2015-2020)
 - 2015 Middle and Upper Atmosphere Radar, 1984 Kansai
 - 2015 VPD Method for Mass Production of High-quality Optical Fiber, 1977-1983 Tokyo
 - 2016 The High Definition Television System, 1964-1989 Tokyo
 - 2016 Emergency Warning Code Signal Broadcasting System, 1985 Tokyo
 - 2016 Keage Power Station: The Japan's First Commercial Hydroelectric Plant, 1890-1897 Kansai
 - 2017 Map-Based Automotive Navigation System, 1981 Tokyo
 - 2017 Invention of a Temperature-Insensitive Quartz Oscillation Plate, 1933 Tokyo
 - 2017 Nobeyama 45-m Telescope, 1982 Tokyo
 - 2017 The Self-Complementarity in Antennas and the Mushiake Relationship, 1948 Sendai
 - 2018 Outdoor large-scale color display system, 1980 Fukuoka
 - 2019 Parkes Radiotelescope 1969 New South Wales (#203)
 - 2019 High Electron Mobility Transistor, Fujitsu 1979-1980 Tokyo (#207)
 - 2020 MPD 7720 Digital Signal Processor, NEC 1980 Tokyo (#209)
 - 2020 First Large-Scale Fingerprint ID, NEC 1982 Tokyo (#210)
- ▣ Post in R10 Web Pages (to be determined)
- ▣ Add Link to IEEE History Center for Milestone List (rearrange and post by Region)

Goto HERE : http://ieeemilestones.ethw.org/Main_Page

Project 2. IEEE R10 History Web Development

- ▶ Collect & Summarize the scattered historical information in one webpage
- ▶ Discover important inventions that are developed in Region 10 that are not well known to the world
- ▶ Find historical role model electrical engineers in Region 10
- ▶ Budget requested for document purchase or webpage creation if needed (USD 200)

- ▶ Current R10 webpage

<https://www.ieeer10.org>



Scattered R10 history information on Websites

[https://ethw.org/IEEE_Region_10_\(Asia_%26_Pacific\)_History](https://ethw.org/IEEE_Region_10_(Asia_%26_Pacific)_History)

<http://ewh.ieee.org/ieee/apo/Home/r10historyportal.html>

https://www.ieeer10.org/wp-content/uploads/2018/11/IEEE_Region_10_Centennial.pdf

<http://history50.ieeer10.org/>