

# IEEE Medals, Recognitions, and Technical Field Awards

The following list contains the names and scopes of the highest-level awards presented by IEEE on behalf of the Board of Directors: IEEE Medals, Recognitions, and Technical Field Awards.

## IEEE Medals

The highest-level IEEE Awards embracing significant and broad achievements

*The nomination deadline is **15 June**. [IEEE Medal](#) presentations shall be made in the same calendar year as the year of the medal for which the recipient was chosen. The medals are presented at the annual IEEE Honors Ceremony.*

**IEEE Medal of Honor**, for an exceptional contribution or an extraordinary career in the IEEE fields of interest.

**IEEE Frances E. Allen Medal**, for innovative work in computing leading to lasting impact on other fields of engineering, technology, or science.

**IEEE Alexander Graham Bell Medal**, for exceptional contributions to communications and networking sciences and engineering.

**IEEE Jagadish Chandra Bose Medal in Wireless Communications**, for exceptional contributions to wireless communications technologies with global impact.

**IEEE Mildred Dresselhaus Medal**, for outstanding technical contributions in science and engineering of great impact to IEEE fields of interest.

**IEEE Edison Medal**, for a career of meritorious achievement in electrical science, electrical engineering, or the electrical arts.

**IEEE Medal for Environmental and Safety Technologies**, for outstanding accomplishments in the application of technology in the fields of interest of IEEE that improve the environment and/or public safety.

**IEEE Founders Medal**, for outstanding contributions in the leadership, planning, and administration of affairs of great value to the electrical and electronics engineering profession.

**IEEE Richard W. Hamming Medal**, for exceptional contributions to information sciences, systems, and technology.

**IEEE Medal for Innovations in Healthcare Technology**, for exceptional contributions to technologies and applications benefitting healthcare, medicine, and the health sciences.

**IEEE Nick Holonyak, Jr. Medal for Semiconductor and Optoelectronics Technologies**, for outstanding contributions to semiconductor optoelectronic devices and systems including high-energy-efficiency semiconductor devices and electronics.

**IEEE Jack S. Kilby Signal Processing Medal**, for outstanding achievements in signal processing.

**IEEE/RSE (Royal Society of Edinburgh) James Clerk Maxwell Medal**, for groundbreaking contributions that have had an exceptional impact on the development of electronics and electrical engineering or related fields.

**IEEE James H. Mulligan, Jr. Education Medal**, for a career of outstanding contributions to education in the fields of interest of IEEE.



## IEEE Medals

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**IEEE Jun-ichi Nishizawa Medal**, for outstanding contributions to material and device science and technology, including practical application.

**IEEE Robert N. Noyce Medal**, for exceptional contributions to the microelectronics industry.

**IEEE Dennis J. Picard Medal for Radar Technologies and Applications**, for outstanding accomplishments in advancing the fields of radar technologies and their application.

**IEEE Medal in Power Engineering**, for outstanding contributions to the technology associated with the generation, transmission, distribution, application, and utilization of electric power for the betterment of society.

**IEEE Simon Ramo Medal**, for exceptional achievement in systems engineering and systems science.

**IEEE John von Neumann Medal**, for outstanding achievements in computer-related science and technology.

# IEEE Technical Field Awards

For contributions or leadership in specific fields of interest of the IEEE

Nomination deadline is **15 January**. [IEEE Technical Field Award \(TFAs\)](#) presentations shall be made in the same calendar year as the year of the award for which the recipient was chosen. IEEE TFAs are presented at IEEE conferences and/or symposiums.

**IEEE Biomedical Engineering Award**, for outstanding contributions to the field of biomedical engineering.

**IEEE Cleo Brunetti Award**, for outstanding contributions to nanotechnology and technologies for microsystem miniaturization.

**IEEE Control Systems Award**, for outstanding contributions to control systems engineering, science, or technology.

**IEEE Electromagnetics Award**, for outstanding contributions to the theory and/or application of electromagnetics.

**IEEE Rao R. Tummala Electronics Packaging Award**, for outstanding contributions to advancing components, electronic packaging, or manufacturing technologies.

**IEEE James L. Flanagan Speech and Audio Processing Award**, for an outstanding contribution to the advancement of speech and/or audio signal processing.

**IEEE Fourier Award for Signal Processing**, for an outstanding contribution to the advancement of signal processing, other than in the areas of speech and audio processing.

**IEEE Andrew S. Grove Award**, for outstanding contributions to solid-state devices and technology.

**IEEE Herman Halperin Electric Transmission and Distribution Award**, for outstanding contributions to electric transmission and distribution.

**IEEE Masaru Ibuka Consumer Technology Award**, for outstanding contributions in the field of consumer technology.

**IEEE Internet Award**, for exceptional contributions to the advancement of Internet technology for network architecture, mobility, and/or end-use applications.

**IEEE Richard Harold Kaufmann Award**, for outstanding contributions in industrial systems engineering.

**IEEE Joseph F. Keithley Award in Instrumentation and Measurement**, for outstanding contributions in electrical measurements.

**IEEE Gustav Robert Kirchhoff Award**, for an outstanding contribution to the fundamentals of any aspect of electronic circuits and systems that has a long-term significance or impact.

## IEEE Technical Field Awards

**IEEE Leon K. Kirchmayer Graduate Teaching Award**, for inspirational teaching of graduate students in the IEEE fields of interest.

**IEEE Koji Kobayashi Computers and Communications Award**, for outstanding contributions to the integration of computers and communications.

**IEEE William E. Newell Power Electronics Award**, for outstanding contributions to power electronics.

**IEEE Lotfi A. Zadeh Award for Emerging Technologies**, for outstanding contributions to emerging technologies recognized within recent years.

**IEEE Donald O. Pederson Award in Solid-State Circuits**, for outstanding contributions to solid-state circuits.

**IEEE Frederik Philips Award**, for outstanding accomplishments in the management of research and development resulting in effective innovation in the electrical and electronics industry.

**IEEE Photonics Award**, for outstanding achievement(s) in photonics.

**IEEE Robotics and Automation Award**, for contributions in the field of robotics and automation.

**IEEE Frank Rosenblatt Award**, for outstanding contributions to biologically and linguistically motivated computational paradigms and systems.

**IEEE Marie Sklodowska-Curie Award**, for outstanding contributions to the field of nuclear and plasma sciences and engineering.

**IEEE Innovation in Societal Infrastructure Award**, for significant technological achievements and contributions to the establishment, development, and proliferation of innovative societal infrastructure systems through the application of information technology with an emphasis on distributed computing systems.

**IEEE Charles Proteus Steinmetz Award**, for exceptional contributions to the development and/or advancement of standards in electrical and electronics engineering.

**IEEE Eric E. Sumner Award**, for outstanding contributions to communications technology.

**IEEE Nikola Tesla Award**, for outstanding contributions to the generation and utilization of electric power.

**IEEE Kiyo Tomiyasu Award**, for outstanding early to mid-career contributions to technologies holding the promise of innovative applications.

**IEEE Transportation Technologies Award**, for advances in technologies within the fields of interest to the IEEE as applied in transportation systems.

**IEEE Undergraduate Teaching Award**, for inspirational teaching of undergraduate students in the fields of interest of IEEE.

# IEEE Recognitions

For individual or corporate contributions within the IEEE technical fields of interest

*Nomination deadline **15 June**. [IEEE Recognition](#) presentations shall be made in the same calendar year as the year of the recognition for which the recipient was chosen. IEEE Recognitions are presented at the IEEE Honors Ceremony, with the exception of the Herz Award that is presented at a BoD meeting.*

## [IEEE Service Awards](#)

- **IEEE Haraden Pratt Award**, for outstanding volunteer service to the IEEE.
- **IEEE Richard M. Emberson Award**, for distinguished service advancing the technical objectives of the IEEE.

## [IEEE Recognitions](#)

- **IEEE Corporate Innovation Award**, for an outstanding innovation by an organization in an IEEE field of interest.
- **IEEE Honorary Membership**, to individuals not members of the IEEE, who have rendered meritorious service to humanity in IEEE's designated fields of interest.
- **IEEE Theodore (Ted) W. Hissey Outstanding Young Professional Award**, may be awarded to a young professional for contributions to the technical community and IEEE fields of interest.
- **IEEE Eric Herz Outstanding Staff Member Award**, for sustained contributions by a present or past full-time staff member. **Exception:** *The nomination deadline is **15 January** for the Herz Award.*