IEEE Corporate Awards
Women Award Recipients
(List is provided by year and in alphabetical order)

**Heide Riel**
2022 IEEE Andrew S. Grove Award, "For contributions to materials for nanoscale electronics and organic light-emitting devices."

**Marilyn Wolf**
2022 IEEE Leon K. Kirchmayer Graduate Teaching Award, "For creating a community of researchers and practitioners in embedded computing through education, outreach, and research."

**Elisa Bertino**
2021 IEEE Innovation in Societal Infrastructure Award, "For advancing the security and privacy of new-generation cellular networks."

**Katherine Whittaker Ferrara**
2021 IEEE Biomedical Engineering Award, "For the integration of ultrasound and engineered vesicles in the diagnosis and treatment of cancer."

**Evelyn H. Hirt**
2021 IEEE Haraden Pratt Award, "For steadfast service and leadership dedicated to the IEEE mission and members across all corporate, geographic, technical, and educational levels."

**Kristina M. Johnson**
2021 IEEE Mildred Dresselhaus Medal, "For leadership and technical contributions spanning academia, government, and business."

**Elisabeth Paté-Cornell**
2021 IEEE Simon Ramo Medal, "For sustained leadership in developing theory and applications of probability risk analysis for the design and evaluation of complex engineering systems."

**Cristiane Agra Pimentel**
2021 IEEE Undergraduate Teaching Award, "For encouraging women to pursue STEM careers, and developing industry-based projects for social justice."

**Lisa Su**
2021 IEEE Robert N. Noyce Medal, "For leadership in ground-breaking semiconductor products and successful business strategies that contributed to the strength of the microelectronics industry."

**Cynthia Dwork**
2020 IEEE Richard W. Hamming Medal, "For foundational work in privacy, cryptography, and distributed computing, and for leadership in developing differential privacy."

**Evelyn L. Hu**
2020 IEEE Andrew S. Grove Award, "For pioneering contributions to microelectronics fabrication technologies for nanoscale and photonic devices."

2021 IEEE/RSE James Clerk Maxwell Medal, "For leadership in nanoscale science and engineering, and for seminal contributions at the intersection of semiconductor electronics and photonics."

**Nancy Leveson**
2020 IEEE Medal for Environmental and Safety Technologies, "For contributions to software safety and for the development of system safety modeling."

**Mary Ellen Randall**
2020 IEEE Haraden Pratt Award, "For advocacy of member engagement through projects, social networking, awards, service to humanity, inclusion, and outreach in support of IEEE goals."

**Eve M. Schooler**
2020 IEEE Internet Award (co-recipient), "For distinguished leadership in developing standards for Internet multimedia, and formative contributions to the design of Internet multimedia protocols."

**Solveig M. Ward**
2020 IEEE Charles Proteus Steinmetz Award, "For leadership in and contributions to protection and communication standards for improved power system reliability."

**Andrea J. Goldsmith**
2019 IEEE Eric E. Sumner Award, "For contributions to the fundamental understanding and innovation in adaptive and multiple antenna techniques for wireless communication networks."

2021 IEEE Leon K. Kirchmayer Graduate Teaching Award, "For educating, developing, guiding, and energizing generations of highly successful students and postdoctoral fellows."

**Lisa Gresham Huettel**
2019 IEEE Undergraduate Teaching Award, "For leadership in curriculum development as well as teaching and mentoring of undergraduate students in electrical and computer engineering."

**Katherine G. Johnson**
2019 IEEE President’s Award, "For fundamental computational contributions to the success of America's first and subsequent manned spaceflights, including Apollo 11."

**Michal Lipson**
2019 IEEE Photonics Award, "For pioneering contributions to silicon photonics."

**Jennifer Rexford**
2019 IEEE Internet Award, "For fundamental contributions to the programmability, stability, and performance of large computer networks, and leadership within the networking community."

**Eva Tardos**
2019 IEEE John von Neumann Medal, "For contributions to the field of algorithms, including foundational new methods in optimization, approximation algorithms, and algorithmic game theory."

**Loretta J. Arellano**
2018 IEEE Haraden Pratt Award, "For furthering IEEE's objectives, promoting cooperation among IEEE organizational units, and exemplary innovation in developing IEEE volunteer leaders."

**Delores M. Etter**
2018 IEEE James H. Mulligan, Jr. Education Medal, "For contributions to engineering through innovative textbooks on problem solving with computing languages and software tools."

**Ursula Keller**
2018 IEEE Photonics Award, "For seminal contributions to ultrafast laser technology enabling important industrial applications and novel scientific breakthroughs."

2019 IEEE Edison Medal, "For pioneering and fundamental contributions to and leadership in useable, compact ultrafast laser technology, enabling applications in metrology, sensing, and biophotonics."
Susan M. Lord
2018 IEEE Undergraduate Teaching Award, "For contributions to the development of more inclusive and innovative undergraduate teaching in electrical and computer engineering."

Mari Ostendorf
2018 IEEE James L. Flanagan Speech and Audio Processing Award, "For contributions to statistical and computational models for analysis, interpretation, and synthesis in speech and language processing."

Deborah Estrin
2017 IEEE Internet Award, "For formative contributions and thought leadership in Internet routing and in mobile sensing techniques and applications, from environmental monitoring to personal and community health."

Bonnie Heck Ferri
2017 IEEE Undergraduate Teaching Award, "For pioneering mobile hands-on learning and flipped classroom techniques for undergraduate engineering education."

Claire Tomlin
2017 IEEE Transportation Technologies Award, "For contributions to air transportation systems, focusing on collision avoidance protocol design and avionics safety verification."

Mary Ward-Callan
2017 IEEE Eric Herz Outstanding Staff Member Award, "For leadership of and service to IEEE volunteers, and for commitment and care in IEEE Technical Activities for the benefit of IEEE."

Yonina Eldar
2016 IEEE Kiyo Tomiyasu Award, "For development of the theory and implementation of sub-Nyquist sampling with applications to radar, communications, and ultrasound."

Terri S. Fiez
2016 IEEE Undergraduate Teaching Award, "For innovative undergraduate engineering and computing curriculum development fostering student engagement and retention."

Karen Galuchie
2016 IEEE Eric Herz Outstanding Staff Member Award, "For exceptional staff leadership and for support and service to IEEE volunteers in achieving the philanthropic objectives of the IEEE and the IEEE Foundation."

Lindsey Kahan

Kelin J. Kuhn
2016 IEEE Frederik Philips Award, "For technical leadership in the development and implementation of breakthrough CMOS technology."

Kimberly Claffy
2015 IEEE Internet Award (co-recipient), "For seminal contributions to the field of Internet measurement, including security and network data analysis, and for distinguished leadership in and service to the Internet community by providing open-access data and tools."

Lynn Conway
2015 IEEE/RSE Wolfson James Clerk Maxwell Medal, "For contributions to and leadership in design
methodology and pedagogy enabling rapid advances and dissemination of VLSI design tools and systems."

**Susan Hassler**
2015 IEEE Eric Herz Outstanding Staff Member Award, "For enhancing the global impact of IEEE by creating the distinctive publication IEEE Spectrum, which exemplifies the highest values of science, technology, and engineering journalism."

**Rimma Mayzus**

**Jocelyn K. Schulz**

**Shu Sun**

**Celine (Hang) Zhao**

**Wanda Reder**
2014 IEEE Richard M. Emberson Award, "For leadership in the IEEE Smart Grid program and in the continued growth of the Power and Energy Society, including the creation of its Scholarship Fund."

**Shirley M. Tilghman**
2014 IEEE Honorary Membership, "For leadership in bridging quantitative biology and engineering and for advancing higher education."

**Andrea Urban**
2014 IEEE Jun-ichi Nishizawa Medal (co-recipient), "For inventing and developing the Bosch deep reactive ion etching process that has impacted the micro-electro-mechanical systems (MEMS) field."

**Fran Zappulla**
2014 IEEE Eric Herz Outstanding Staff Award, "For outstanding leadership in the success of IEEE publications."

**Ruzena Bajcsy**
2013 IEEE Robotics and Automation Award, "For contributions to computer vision, the active perception paradigm, and medical robotics."

2021 IEEE Medal for Innovations in Healthcare Technology Recipients, "For pioneering and sustained contributions to healthcare technology fundamental to computer vision, medical imaging, and computational anatomy."

**Leah Jamieson**
2013 IEEE Richard M. Emberson Award, "For contributions to IEEE technical activities through leadership, strategic planning, public advocacy, and effective new programs, most notably Engineering Projects in Community Service (EPICS)."

2020 IEEE James H. Mulligan, Jr. Education Medal, "For contributions to the promotion, innovation, and inclusivity of engineering education."
Cecelia Jankowski
2013 IEEE Eric Herz Outstanding Staff Award, "For exceptional leadership of IEEE Member and Geographic Activities and a career devoted to the goals and objectives of IEEE."

Karen Panetta
2013 IEEE Award for Distinguished Ethical Practices, "For exemplary contributions and leadership in developing ethics and social responsibility in students."

Anna Scaglione

Janet Baker
2012 IEEE James L. Flanagan Speech and Audio Processing Award (co-recipient), "For fundamental contributions to the theory and practice of automatic speech recognition."

Judith L. Gorman
2012 IEEE Eric Herz Outstanding Staff Award, "For leadership in development of the IEEE Standards Association as a recognized global and World-class organization."

Irena Hajnsek

Santosh K. Kurinec
2012 IEEE Undergraduate Teaching Award, "For distinguished contributions integrating research into undergraduate engineering education to develop microelectronic engineers well prepared for future challenges."

Angela R. Burgess
2011 IEEE Eric Herz Outstanding Staff Award, "For outstanding leadership in improving IEEE Computer Society cooperation and reintegration with IEEE and TAB and successfully transforming operations, improving the financial strength of the Society."

Constance J. Chang-Hasnain
2011 IEEE David Sarnoff Award, "For her pioneering contributions to vertical cavity surface emitting laser (VCSEL) arrays and tunable VCSELs."

Ingrid Daubechies
2011 IEEE Jack S. Kilby Medal, "For pioneering contributions to the theory and applications of wavelets and filter banks."

Shafi Goldwasser
2011 IEEE Emanuel R. Piore Award, "For pioneering work in laying the foundations of modern cryptography and its relation to complexity theory."

Julia Hirschberg
2011 James L. Flanagan Speech and Audio Processing Award, "For pioneering contributions to speech synthesis and prosody research."

Judy Hoyt
2011 IEEE Andrew S. Grove Award (co-recipient), "For seminal contributions to the demonstration
of Si/Ge lattice mismatch strain engineering for enhanced carrier transport properties in MOSFET devices."

**Joan Laverne Mitchen**  
2011 IEEE Masura Ibuka Consumer Electronic Award, "For fundamental contributions to image compression in printing technology and digital image processing in consumer electronics."

**Julie Eve Cozin**  
2010 IEEE Eric Herz Outstanding Staff Award, "For exemplary service to IEEE governance through development, integration, and administration of new tools and procedures that improved efficiency, transparency, fairness, equity, and legal compliance."

**Tsu-Jae King Liu**  
2010 IEEE Kiyo Tomiyasu Award, "For contributions to nanoscale MOS transistors, memory devices, and MEMs devices."

**Nancy Ann Lynch**  
2010 IEEE Emanuel R. Piore Award, "For contributions to foundations of distributed and concurrent computing."

**Viccy Salazar**  
2010 IEEE Medal for Environmental and Safety Technologies (co-recipient), "For developing and bringing into operation EPEAT, the Electronic Product Environmental Assessment Tool that measures product’s environmental performance."

**Ann Burgmeyer**  
2009 IEEE Eric Herz Outstanding Staff Award, "For pioneering work in electronic publishing and data archiving contributing to IEEE's leadership in publishing, and for support of volunteers and staff for over 35 years."

**Susan L. Graham**  
2009 IEEE John von Neumann Medal, "For contributions to programming language design and implementation and for exemplary service to the discipline of computer science."

**Teresa H. Meng**  
2009 IEEE Donald O. Pederson Award in Solid-State Circuits, "For pioneering contributions to the development of integrated wireless communications systems."

2019 IEEE Alexander Graham Bell Medal, "For technical contributions to and leadership in the development of wireless semiconductor technology."

**Lixia Zhang**  
2009 IEEE Internet Award, "For contributions toward an understanding of the complex interactions between Internet components and the development of the Internet architecture."

**Fern E. Katronetsky**  
2008 IEEE Eric Herz Outstanding Staff Award, "For extraordinary commitment to the goals and objectives of the Institute and unwavering leadership and invaluable support of volunteers and staff for over 30 years."

**Virginia Travers**  
2008 IEEE Internet Award (co-recipient), "For pioneering work in the development of the first Internet routers."

**Anita K. Jones**
2007 IEEE Founders Medal, "For outstanding leadership in academic research and in directing science and engineering research in the Department of Defense."

**Kim M. Ess**
2006 IEEE Judith Resnik Award, "For technical leadership in the development and certification of the Orbiter Boom Sensor System for the space shuttle."

**Mildred S. Dresselhaus**
2004 IEEE Founders Medal, "For leadership across many fields of science and engineering through research and education and for exceptional and unique contributions to the profession."

2015 IEEE Medal of Honor, "For leadership and contributions across many fields of science and engineering."

**Barbara H. Liskov**
2004 IEEE John von Neumann Medal, "For fundamental contributions to programming languages, programming methodology, and distributed systems."

**Yvonne C. Brill**
2002 IEEE Judith A. Resnik Award, "For innovations in rocket propulsion systems for geosynchronous and low earth orbit communication satellites and the foresight to champion the hybrid electric mono-propellant rocket engine."

**Muriel Medard**

2022 IEEE Koji Kobayashi Computers and Communications Award, "For contributions to the theory and practice of network coding, optical networks, and wireless communications."

**Sheila Widnall**
1998 IEEE Honorary Membership, "For outstanding leadership to United States Air Force science and technology."

**Esther M. Conwell**
1997 IEEE Edison Medal, "For fundamental contributions to transport theory in semiconductor and organic conductors and their application to the semiconductor, electronic copying, and printing industries."

**Bonnie J. Dunbar**
1993 IEEE Judith A. Resnik Award, "For significant contributions to the processing and development of electronic materials in space."

**Thelma Estrin**
1991 IEEE Haraden Pratt Award, "For IEEE leadership, strengthening the Institute's technical and professional programs, and her exemplary role in promoting the recognition of women in engineering."