

**IEEE Corporate Awards
Women Award Recipients**

(List is provided by year and in alphabetical order)

Simay Akar

2024 IEEE Theodore W. Hissey Outstanding Young Professional Award, "For leadership and inspiration of young professionals with significant contributions in the technical fields of photovoltaics and sustainable energy storage."

R. Iris Bahar

2024 IEEE Undergraduate Teaching Award, "For innovative undergraduate teaching and transformative student mentoring that champion inclusivity in engineering and examine societal impacts of technology."

Bernadette Bouchon-Meunier

2024 IEEE Frank Rosenblatt Award, "For contributions to the foundations and applications of approximate reasoning and fuzzy systems."

Connie Jui-Hua Chang-Hasnain

2024 IEEE Nick Holonyak, Jr. Medal for Semiconductor Optoelectronic Technologies co-recipient, "For pioneering contributions to vertical-cavity surface-emitting laser (VCSEL) and VCSEL-based photonics for optical communications and sensing."

Anja Feldmann

2024 IEEE Koji Kobayashi Computers And Communications Award, "For contributions to the field of networking and Internet technologies, specifically to traffic engineering, network measurements, and Internet protocols."

Elena Ferrari

2024 IEEE Innovation in societal Infrastructure Award, "For pioneering and sustained contributions to the security and privacy of online social networks."

Andrea J. Goldsmith

2024 IEEE James H. Mulligan, Jr. Education Medal, "For educating, mentoring, and inspiring generations of students, and for authoring pioneering textbooks in advanced digital communications."

Mary Jane Irwin

2024 IEEE Gustav Robert Kirchhoff Award, "For contributions to electronic design automation and power-aware computer architecture."

Tsu-Jae King Liu

2024 IEEE Founders Medal, "For leadership in the advancement and commercialization of nanometer semiconductor technologies and the promotion of microelectronics workforce development."

Hagit Messer

2024 IEEE Medal for Environmental and Safety Technologies, "For contributions to sensing of the environment using wireless communication networks."

Bich-Yen Nguyen

2024 IEEE Frederik Philips Award, "For leadership in the research, development, and commercialization of innovative silicon-on-insulator substrates, process technologies, and devices."

Jennifer Rexford

2024 IEEE Alexander Graham Bell Medal, "For contributions to Internet wide-area routing and software-defined networking."

Claire J. Tomlin

2024 IEEE Mildred Dresselhaus Medal, "For foundational work in the design and verification of cyber-physical systems with applications to safety in autonomous systems."

Sophie Wilson

2024 IEEE Masura Ibuka Consumer Electronic Award (co-recipient), "For the design of the 32-bit ARM RISC microprocessor."

Janet L. Barth

2023 IEEE Marie Sklodowska-Curie Award, "For leadership of and contributions to the advancement of the design, building, deployment, and operation of capable, robust space systems."

Carlotta Berry

2023 IEEE Undergraduate Teaching Award, "For contributions to multidisciplinary robotics education and leadership in creating a national platform to diversify STEM."

Melba Crawford

2023 IEEE Mildred Dresselhaus Medal, "For contributions to remote sensing technology and leadership in its application for the benefit of humanity."

Ingeborg Hochmair

2023 IEEE Alexander Graham Bell Medal (co-recipient), "For the research, development, and realization of multi-channel microelectronic cochlear implants."

Lydia Kavraki

2023 IEEE Frances E. Allen Medal, "For foundational probabilistic algorithms and randomized search methods that have broad impact in robotic motion planning and computational biology."

Kathleen McKeown

2023 IEEE Innovation in Societal Infrastructure Award, "For pushing the boundaries of natural language processing for social media analysis, news summarization, crisis informatics, and creating a digital library for patient care."

Naomi Ehrich Leonard

2023 IEEE Control Systems Award, "For contributions to applications and theory for control of nonlinear and multiagent systems."

Radia Perlman

2023 IEEE Eric E. Sumner Award, "For contributions to Internet routing and bridging protocols."

Nirmala (Nimmi) Ramanujam

2023 IEEE Biomedical Engineering Award, "For more globally accessible technology for women's health related to cancer screening, diagnosis, and treatment."

Rebecca Richards-Kortum

2023 IEEE Medal for Innovations in Healthcare Technology, "For contributions to optical solutions for cancer detection and leadership in establishing the field of global health engineering."

Daniela Rus

2023 IEEE Robotics and Automation Award, "For pioneering contributions to the design, realization, and theoretical foundations of innovative distributed, networked autonomous systems."

Donna Strickland

2023 IEEE Honorary Member, "For contributions to the demonstration of chirped pulse amplification, a method to increase output power in ultrashort pulse solid-state lasers."

Ingrid Verbauwhede

2023 IEEE Donald O. Pederson Award in Solid-State Circuits, "For pioneering contributions to energy-efficient and high-performance secure integrated circuits and systems."

Rabab Kreidieh Ward

2023 IEEE Fourier Award for Signal Processing, "For outstanding contributions to advancing signal processing techniques and their practical applications, and for technical leadership."

Anna Zakrzewska

2023 IEEE Theodore W. Hissey Outstanding Young Professionals Award, "For contributions in telecommunications research and innovation, leading to global commercialization, while inspiring tomorrow's young technology leaders through STEM volunteering work."

Deborah Estrin

2022 IEEE John von Neumann Medal, "For leadership in mobile and wireless sensing systems technologies and applications, including personal health management."

Heike Riel

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

Ewell Tan

2022 IEEE Eric Herz Outstanding Staff Member Award, "For consistently high-level performance serving IEEE Region 10 through addressing a wide variety of challenges."

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

2016 IEEE Donald G. Fink Award (co-recipient), for their paper titled "Bioinspired Polarization Imaging Sensors: From Circuits and Optics to Signal Processing Algorithms and Biomedical Applications," *Proceedings of the IEEE*, Vol. 102, No. 10, October 2014, pp. 1450-1469.

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

2015 IEEE Donald G. Fink Award (co-recipient), for their paper titled "Millimeter Wave Mobile Communications for 5G Cellular: It Will Work," *IEEE Access* Vol. 1, pp. 335-349, May 2013.

Jocelyn K. Schulz

2015 IEEE Donald G. Fink Award (co-recipient), for their paper titled "Millimeter Wave Mobile Communications for 5G Cellular: It Will Work," *IEEE Access* Vol. 1, pp. 335-349, May 2013.

Shu Sun

2015 IEEE Donald G. Fink Award (co-recipient), for their paper titled "Millimeter Wave Mobile Communications for 5G Cellular: It Will Work," *IEEE Access* Vol. 1, pp. 335-349, May 2013.

Celine (Hang) Zhao

2015 IEEE Donald G. Fink Award (co-recipient), for their paper titled "Millimeter Wave Mobile Communications for 5G Cellular: It Will Work," *IEEE Access* Vol. 1, pp. 335-349, May 2013.

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

2013 IEEE Donald G. Fink Award (co-recipient), for their paper titled "For the Grid and Through the Grid: The Role of Power Line Communications in the Smart Grid," *Proceedings of the IEEE*, Vol. 99, No. 6, June 2011, pp. 998-1027.

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

2012 IEEE W.R.G. Baker Award (co-recipient), "TanDEM-X: A Satellite Formation for High-Resolution SAR Interferometry," *IEEE Transactions on Geoscience and Remote Sensing*, Vol. 45, Issue 11, Part 1, November 2007, pp. 3317-3341.

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

2002 IEEE Leon K. Kirchmayer Prize Paper Award, "The Effect Upon Channel Capacity in Wireless Communications of Perfect and Imperfect Knowledge of Channel," *IEEE Transactions on Information Theory*, Vol. 46, No. 3, May 2000, pp. 933–946.

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."