

**IEEE JAMES H. MULLIGAN, JR. EDUCATION MEDAL
RECIPIENTS**

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|------|--|---|
| 2022 | NED MOHAN (LFIEEE)—
Regents Professor and Oscar
A. Schott Professor of Power
Electronics and Systems,
Department of Electrical and
Computer Engineering,
University of Minnesota, Saint
Paul, Minnesota, USA | “For leadership in power engineering
education by developing courses, textbooks,
labs, and a faculty network.” |
| 2021 | JOHN D. CRESSLER (IEEE)—
Professor, Schlumberger Chair
in Electronics, Georgia
Institute of Technology,
Atlanta, Georgia, USA | “For inspirational teaching and mentoring of
undergraduate and graduate students.” |
| 2020 | LEAH JAMIESON
Ransburg Distinguished
Professor of Electrical and
Computer Engineering, School
of Electrical and Computer
Engineering, Purdue
University, West Lafayette,
Indiana, USA | “For contributions to the promotion,
innovation, and inclusivity of engineering
education.” |
| 2019 | JOHN G. WEBSTER
Professor Emeritus of
Biomedical Engineering,
University of
Wisconsin–Madison, Madison,
Wisconsin, USA | “For excellence in classroom teaching as well
as the production of numerous reference
texts that have fostered the development of
biomedical engineering as a discipline.” |
| 2018 | DELORES M. ETTER
Professor Emeritus,
Department of Electrical
Engineering, Southern
Methodist University, Dallas,
Texas, USA | “For contributions to engineering through
innovative textbooks on problem solving with
computing languages and software tools.” |
| 2017 | STEPHEN P. BOYD
Samsung Professor in the
School of Engineering;
Professor, Department of
Electrical Engineering;
Professor (by courtesy),
Department of Management
Science and Engineering;
Professor (by courtesy), | “For inspirational education of students and
researchers in the theory and application of
optimization.” |

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Department of Computer
Science, Stanford University,
Stanford, California, USA

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|------|---|---|
| 2016 | SIMON S. HAYKIN
Distinguished University
Professor, Electrical and
Computer Engineering,
McMaster University,
Hamilton, Ontario, Canada | "For contributions to engineering education in
adaptive signal processing and
communication." |
| 2015 | RICHARD GORDON BARANIUK
Victor E. Cameron Professor
of Electrical and Computer
Engineering, Rice University,
Houston, Texas, USA | "For fundamental contributions to open
educational resources for electrical
engineering and beyond." |
| 2014 | JOHN GEORGE PROAKIS
Professor Emeritus,
Northeastern University,
Winchester,
Massachusetts, USA | "For contributions to electrical engineering
education through influential textbooks and
inspiring leadership in integrating research
and education." |
| 2013 | J. DAVID IRWIN
Earle C. Williams Eminent
Scholar, Auburn University,
Auburn, AL, USA | "For excellence in engineering education
through creative and enduring leadership and
innovative textbooks." |
| 2012 | FAWWAZ T. ULABY
Chen-To Tai Professor of
EECS, University of Michigan,
Ann Arbor, MI, USA | "For contributions to undergraduate and
graduate engineering education through
innovative textbooks, dedicated mentoring of
students, and inspirational teaching." |
| 2011 | RAJ MITTRA
Professor of Electrical
Engineering, Penn State
University, University Park,
PA, USA | "For contributions to graduate education,
engineering research and research training in
electromagnetic communication." |
| 2010 | RANDY H. KATZ
Professor, Department of
Electrical Engineering and
Computer Sciences, Division
of Computer Sciences,
University of California,
Berkeley, CA, USA | "For contributions to engineering education
through influential textbooks, innovative
curricular development, exceptional
mentorship and inspired graduate and
undergraduate teaching." |

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| 2009 | JOSE B. CRUZ, JR.
Distinguished Prof. of
Engineering and Prof. of
Electrical and Computer
Engineering, Ohio State
University, Columbus, OH,
USA | "For excellence in engineering education through creative leadership, innovative textbooks, inspirational mentoring, and research contributions to circuits, controls and systems." |
| 2008 | JOSEPH BORDOGNA
Alfred Fitler Moore Prof. of
Engineering, University of
Pennsylvania, Dept of
Electrical and Systems
Engineering
Philadelphia, PA, USA | "For creative contributions to engineering education through leadership in integrating research and education." |
| 2007 | ANDREW S. TANENBAUM
Prof. of Computer Science,
Dept of Computer Science,
Faculty of Sciences, Vrije
Universiteit, Amsterdam, The
Netherlands | "For contributions to education in computing, especially computer organization, networking and operating systems." |
| 2006 | SANJIT K. MITRA
Prof. of Electrical and
Computer Engineering,
University of California, Santa
Barbara, CA | "For outstanding contributions to electrical engineering education through pioneering textbooks, innovative laboratory development, and curriculum reform." |
| 2005 | H. VINCENT POOR
George Van Ness Lothrop
Professor in Engineering,
Princeton University,
Princeton, NJ | "For leadership in electrical engineering education through inspired teaching, a classic textbook, innovative curricular development and research." |
| 2004 | PAUL R. GRAY
Prof., Electrical Engineering &
Computer Sciences, Executive
Vice Chancellor & Provost
Univ of California, Berkeley,
CA | "For exemplary contributions to electrical engineering education through mentoring of students, an influential textbook, and University-wide academic leadership." |
| 2003 | YASUHARU SUEMATSU
National Institute of
Informatics
Tokyo, Japan | "For outstanding leadership in graduate and undergraduate education as a mentor, professor, and president, and for pioneering contribution to research and education in optical communication devices." |
| 2002 | PETAR KOKOTOVIC | "For leadership in control engineering theory |

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	Univ. of California Santa Barbara, CA	and engineering education as an inspirational teacher and mentor."
2001	BRIAN D.O. ANDERSON Australian Academy of Science, Australia	"For outstanding graduate texts of lasting value and far-reaching international influence, and for outstanding leadership in the development of electrical engineering education in Australia."
2000	DAVID A. PATTERSON University of California, Berkeley, CA	"For inspirational teaching through the development of creative curricula and teaching methodology, for important textbooks, and for effective integration of education and research missions."
1999	ANDRIES VAN DAM Brown University Providence, RI	"For his field-defining textbooks, the introduction of innovative educational technology, and inspired undergraduate teaching."
1998	STEPHEN W. DIRECTOR University of Michigan Ann Arbor, MI	"For contributions to electrical engineering education through innovative textbooks, leadership in undergraduate curriculum reform, and inspired graduate teaching."
1997	DAVID A. HODGES University of California Berkeley, CA	"For innovative teaching of microelectronics, and pioneering education in semiconductor manufacturing."
1996	ADEL S. SEDRA University of Toronto Toronto, Ontario, Canada	"For outstanding contributions to electrical engineering education through textbooks, guiding and mentoring of students, research, and academic leadership."
1995	THOMAS KAILATH Stanford University Stanford, CA	"For leadership in graduate engineering education through a classic textbook in linear systems and creative interdisciplinary research."
1994	C. L. LIU University of Illinois Urbana, IL	"For leadership in engineering education through teaching and textbooks in mathematical foundations of computer science and system theory."
1993	RONALD A. ROHRER Carnegie-Mellon University Pittsburgh, PA	"For innovation in bringing electrical engineering practice into the classroom and merging academic research with industrial

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		needs."
1992	RONALD W. SCHAFER Georgia Institute of Tech., Atlanta, GA	"For excellence in curriculum development, teaching, and textbooks in digital signal processing and digital speech processing."
1991	HERMANN A. HAUS Massachusetts Institute of Tech., Cambridge, MA	"For creative contributions to education in electromagnetic fields and waves, and quantum electronics."
1990	JAMES D. MEINDL Rensselaer Polytechnic Institute, Troy, NY	"For establishment of a pioneering academic program for the fabrication and application of integrated circuit."
1989	BEN G. STREETMAN University of Austin Austin, TX	"For leadership in engineering education at the undergraduate and graduate levels, for the contribution of a textbook used worldwide, and for creative research in solid-state electronics."
1988	ALAN V. OPPENHEIM Massachusetts Institute of Tech., Cambridge, MA	"For leadership in engineering education through teaching, textbooks, and video tape series in digital signal processing."
1987	JOSEPH W. GOODMAN Stanford University Stanford, CA	"For leadership in engineering education through teaching and textbooks in optical signal processing."
1986	RICHARD B. ADLER Massachusetts Inst. of Tech. Cambridge, MA	"For leadership in engineering education through teaching and textbooks in semiconductor electronics and electromagnetics."
1985	JAMES FRANKLIN GIBBONS Stanford University Stanford, CA	"For development of the concept of tutored video instruction and outstanding teaching and research contributions in semiconductor electronics."
1984	ATHANASIOS PAPOULIS Polytechnic Institute of Tech. Farmingdale, NY	"For inspirational leadership in teaching through thought-provoking lectures, research, and creative textbooks in signal analysis, stochastic processes, and systems."
1983	MISCHA SCHWARTZ Columbia University New York, NY	"For leadership in engineering education through devoted teaching and publication of outstanding textbooks."

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1982	KING-SUN FU Purdue University West Lafayette, IN	"For contributions to engineering education through inspired teaching and research in computer engineering, system theory and pattern recognition."
1981	ERNEST S. KUH University of California Berkeley, CA	"For leadership in engineering education and contributions to research in circuits and systems."
1980	ALDERT VAN DER ZIEL University of Minnesota Minneapolis, MN	"For leadership in engineering education, and for contributions to noise theory in electronic devices."
1979	JOHN R. RAGAZZINI New York University New York, NY	"For leadership in engineering education and pioneering research in sampled-data control systems."
1978	HAROLD A. PETERSON University of Wisconsin Madison, WI	"In recognition of contributions to engineering education through teaching and research in power systems."
1977	ROBERT M. FANO Massachusetts Institute of Tech., Cambridge, MA	"For leadership in engineering education through teaching and outstanding research in computer science, information theory, and electromagnetic theory."
1976	JOHN G. LINVILL Stanford University Stanford, CA	"For leadership as a teacher, author and administrator, and for contributions in solid-state electronics and technology."
1975	CHARLES A. DESOER University of California Berkeley, CA	"For innovative teaching through publication of standards-setting textbooks and through dedicated and inspired supervision of a generation of highly successful students."
1974	JOHN G. TRUXAL State University of New York Stony Brook, NY	"For pioneering the introduction of engineering concepts into the high-schools and for his outstanding textbooks and leadership in engineering education."
1973	LOTFI A. ZADEH University of California Berkeley, CA	"For inspired and dedicated teaching, and distinguished leadership in system theory."
1972	MAC ELWYN VAN VALKENBURG	"For outstanding textbooks in circuit theory, innovations in undergraduate teaching,

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	Princeton University Princeton, NJ	inspired guidance of students, and professional leadership in electrical engineering."
1971	FRANZ OLLENDORFF Israel Institute of Technology Haifa, Israel	"For contributions to the teaching of electrical engineering, especially the preparation of classic texts on electromagnetic fields, and for leadership in building a distinguished program in a new institute."
1970	JACOB MILLMAN Columbia University New York, NY, USA	"For his impact in the areas of electronic devices and circuits through his outstanding textbooks and his stimulating teaching."
1969	DONALD O. PEDERSON University of California Berkeley, CA	"For inspiring teaching and for educational leadership in electronics, notably integrated circuits."
1968	EDWARD C. JORDAN University of Illinois Urbana, IL	"For leadership in bringing new technological developments into electrical engineering education, and in creating an integration of research with education in a major department."
1967	JOHN R. WHINNERY University of California Berkeley, CA	"For his outstanding teaching, his inspired leadership in educational administration, and his excellent pioneering textbooks."
1966	WILLIAM H. HUGGINS The Johns Hopkins University Baltimore, MD	"For his creative approach to and extraordinary effectiveness in teaching; and for his abiding interest in and rapport with students."
1965	HUGH HILDRETH SKILLING Stanford University Stanford, CA	"For leadership in undergraduate education and, in particular, for innovation and lucid exposition of complex ideas in his textbooks."
1964	B. RICHARD TEARE, JR. Carnegie Institute of Technology Pittsburgh, PA	"In recognition of his dedication to excellence in the field of teaching, his singular devotion to improvement of this art, his outstanding contributions to the technology of his profession, and his ability to combine a keen sense of practical values with a thorough grounding in science to solve general problems of staff and curricula development in engineering."

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1963	WILLIAM G. DOW University of Michigan Ann Arbor, MI	"For his outstanding contributions to teaching, to educational theory and to research, and his inspiring leadership in faculty development."
1962	ERNST A. GUILLEMIN Massachusetts Institute of Technology, Cambridge, MA	"For inspirational and intellectual leadership in the revolutionary changes in engineering education."
1961	GEORGE F. CORCORAN University of Maryland College Park, MD	"For his contributions to electrical engineering education both in classroom teaching and in the creating of a series of undergraduate text books which have had far reaching influence on the education of electrical engineers."
1960	ERNST WEBER Brooklyn Polytechnic Institute Brooklyn, NY	"For excellence as a teacher in science and electrical engineering, for creative contributions in research and development, for broad professional and administrative leadership and in all for a considerate approach to human relations."
1959	GORDON S. BROWN Massachusetts Institute of Technology Cambridge, MA	No citation given
1958	J. F. CALVERT University of Pittsburgh Pittsburgh, PA	No citation given
1957	W. L. EVERITT University of Illinois Urbana, IL	No citation given
1956	F. E. TERMAN Stanford University Stanford CA	No citation given