

IEEE HONORARY MEMBERSHIP RECIPIENTS

- 2022 - CALYAMPUDI RADHAKRISHNA (C.R.) RAO (non-member)—Professor Emeritus, The Pennsylvania State University, State College, Pennsylvania, USA and Research Professor, University at Buffalo, Buffalo, New York, USA “For contributions to fundamental statistical theories and their applications to engineering and science, particularly in signal processing and communications.”
- 2021 - EDWARD C. STONE (nonmember)—David Morrisroe Professor of Physics; Vice Provost for Special Projects, Physics, Mathematics, and Astronomy Departments, California Institute of Technology, Pasadena, California, USA “For decades of exceptional scientific and engineering achievements that have profoundly impacted the world’s progress in space exploration.”
- 2020 – BORYS PATON
President, Academician of the National Academy of Science of Ukraine, (NASU), Director of Institute of E.O. Paton Electric Welding of NASU, Kyiv, Ukraine “For lifetime achievements within IEEE technical fields of interest in the development of processes of electrometallurgy, materials science, electric welding of metals, and biological tissues.”
- 2019 – TELLE WHITNEY
President and CEO Emeritus, Anita Borg Foundation, Palo Alto, California, USA “For leadership in supporting and promoting women in technology, and for building a highly impactful global organization dedicated to this purpose.”
- 2018 – MIHAL (MIKE) LAZARIDIS
Quantum Valley Investments, Waterlook, Ontario, Canada “For revolutionary contributions to wireless communication and visionary leadership in fostering the advancement of fundamental physics toward future innovation.”
- AND
- ANTON ZEILINGER
President, Austrian Academy of Sciences, Vienna, Austria “For pioneering conceptual and experimental contributions to the development of quantum communications and encryption.”
- 2017 - JAMES DYSON
CEO, Dyson Company, Wiltshire, United Kingdom “For achievements in industrial design, entrepreneurship, and manufacturing technology, and for services to the engineering profession.”
- 2016 – SERGE HAROCHE
Professor, Collège de France, Paris, “For the development of cavity quantum electrodynamics, leading to

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France

fundamental quantum physics studies and to a wide range of applications.”

AND

RODOLFO STEFANO ZICH
President, Torino Wireless
Foundation, Torino, Italy

“For leadership in the global integration of electrical and electronics engineering education and research.”

2015 - ELON MUSK
CEO, Chairman, Co-Founder, Tesla
Motors, Palo Alto, California, USA

“For leadership in and innovative contributions to space-exploration technology, combatting global warming and promoting science education, pediatric health, and clean energy.”

2014 — SHIRLEY M. TILGHMAN
President Emerita and Professor of
Molecular Biology, Princeton University,
Princeton, New Jersey, USA

“For leadership in bridging quantitative biology and engineering and for advancing higher education.”

2013 — NOT AWARDED

2012 — YOSHIO UTSUMI
President, Japan Telecommunications
Engineering and Consulting Service (JTEC) and
Advisor, Toyota InfoTechnology Center
Co., Ltd., Tokyo, Japan

“For leadership in policy and initiatives leading to the growth of information and communication technologies.”

2011 — AVUL PAKIR JAINULABDEEN ABDUL
KALAM - Former (2002-07) President of
the Republic of India, New Delhi, India

“For outstanding contributions toward transforming society through technology and for inspiring millions of school children to harness science and technology for human welfare and national development.”

AND

WANG JIANZHOU - Chairman, China
Mobile Limited, Beijing, China

AND

“For greatly enhancing the quality of life of large populations in rural areas through visionary leadership in the deployment of affordable mobile telecommunications.”

2010 — N. R. NARAYANA MURTHY
Chairman and Chief Mentor, Infosys
Technologies, Ltd., Bangalore, India

“For founding and leading the extraordinary growth of Infosys Ltd., notable for its ethical stance, and for supporting empowerment of

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members of disadvantaged rural communities."

2009 — GERALD POSAKONY
Scientist, Pacific Northwest National
Laboratory, Richland, WA, USA

"For pioneering contributions in ultrasonic techniques for medical diagnosis and nondestructive evaluation."

2008 — JONG YONG YUN
Vice Chairman and CEO, Samsung
Electronics, Co., Ltd., Seoul, Korea

"For exceptional achievements in pioneering technology-driven innovation within the electronics industry, advancing engineering education, and encouraging a multidisciplinary engineering community."

2007 — IAN C. MCRAE
Eskom (RETIRED)
Germiston, South Africa

"For contributions to electrification and development of the electrical grid in Southern Africa."

AND

AND

TSUTAE SHINODA
Fellow, Fujitsu Laboratories Ltd., Akashi,
Japan

"For outstanding innovative and pioneering contributions to commercializing large area color plasma displays."

2006 — VLADIMIR ROKHLIN
Professor of Computer Science and
Mathematics, Yale University,
New Haven, CT, USA

"For the development of the Fast Multipole Method."

2005 — DEAN KAMEN
President, DEKA R&D Corporation,
Chairman Segway LLC, Founder FIRST,
Manchester, NH, USA

"For innovating numerous medical devices, thereby improving the quality of life for many, and for inspiring youth to heightened interest in engineering through imaginative competitions."

2004 — NOT AWARDED

2003 — JORMA OLLILA
Chairman & CEO
Nokia Corporation
Finland

"For contributions to launching mobile communications, a major global industry that has fundamentally changed the way people communicate."

AND

AND

TADASHI SASAKI

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President & CEO Internat'l Center for Materials Research Japan		"For leadership of the commercialization of Liquid Crystal Displays and development of the pocket calculator."
2002 — JAMES C. MORGAN Applied Materials, Inc. Santa Clara, CA, USA		"For his contributions of 25 years to the semiconductor industry and vision in building Applied Materials into a technology pioneer enabling the global information infrastructure."
2001 — CHARLES M. GESCHKE Co-Chairman, Adobe Systems San Jose, CA, USA		"For many years of inspiring visionary leadership in the software industry related to digital publishing for the World Wide Web, print and dynamic media."
2000 — NORIO OHGA Sony Corporation Tokyo, Japan		"For visionary leadership in the development of the MiniDisc."
1999 — NOT AWARDED		
1998 — SHEILA E. WIDNALL Secretary United States Air Force Washington, DC, USA		"For outstanding leadership to United States Air Force science and technology"
1998 — PAVAGUDA VENKATA INDIRESAN President, Indian National Academy Engineering New Delhi, India	of	"For contributions to the growth of electrical engineering in India through his leadership in education, applied research and professional engineering institutions"
1997 — PEKKA J. TARJANNE Secretary-General International Telecommnuication Union Geneva, Switzerland		"For outstanding leadership and contributions to the implementation of new working methods and structures for the International Telecommunications Union."
1996 — HIROYUKI MIZUNO Matsushita Electric Industrial Osaka, JAPAN	Company	"For technical leadership in semiconductor research, manufacturing and its application in consumer electronics and for promoting international technical cooperation."
1996 — LEON M. LEDERMAN		"For his leadership in research and

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- Director Emeritus
Fermilab
Batavia, IL, USA
- 1995 — LARS H. RAMQVIST
LM Ericsson
Stockholm, Sweden
- 1994 — RALPH E. GOMORY
(retired - IBM, NY)
Alfred P. Sloan Foundation
New York, NY, USA
- 1994 — MICHEL A. G. CARPENTIER
Information Market and
Exploitation Research
Commission of European Communities
Brussels, Belgium
- 1993 — ROBERT W. GALVIN
Motorola, Inc.
Schaumburg, IL, USA
- 1992 — MARK KRIVOCHEEV
State Radio Res. Inst.
Moscow, Russian Federation
- 1991 — AKIO MORITA
SONY Corp.
Tokyo, Japan
- 1990 — NOT AWARDED
- 1989 — NOT AWARDED
- 1988 — LUIS W. ALVAREZ
University of California
Berkeley, CA, USA
- science education and his advocacy of the importance of science education to the intellectual and economic health of society."
- "For distinguished and far-sighted leadership of the Ericsson Group in a period of rapid technology change and market development."
- "For his outstanding leadership of the research activities of IBM, and the resulting technological benefits to IBM and the computer and semiconductor industries."
- "For leadership in pioneering the R&D and policy initiatives at the European Community level in the areas of environment and information and communication technologies."
- "For distinguished leadership of Motorola, Inc., and for his many beneficial contributions to quality processes, competitiveness, and public policy."
- "For technical contributions to television and leadership in developing international standardization."
- "For his distinguished leadership of Sony Corporation and the integration of emerging technologies into consumer electronics products."
- "For the invention and development of the first successful aircraft landing system using ground control radar and the first proton linear accelerator; for numerous discoveries in the field of particle and

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resonance physics; and for pioneering work on the extraterrestrial impact theory."

1987 — GENE H. GOLUB
Stanford University
Stanford, CA, USA

"For improvements in signal processing, modeling, control, and other areas through numerical methods for least-squares estimation and matrix singular value decomposition."

1987 — ARNO A. PENZIAS
AT&T Bell Labs.
Murray Hill, NJ, USA

"For leadership in the research activities of AT&T Bell Laboratories, and for outstanding contributions to radio communications and radio astronomy."

1986 — ARTHUR E. BRYSON, JR.
Stanford University
Stanford, CA, USA

"For contributions to education and for research in the theory and implementation of optimal control techniques."

1985 — HIDEO YAMASHITA
University of Tokyo
Tokyo, Japan

"For contributions to research in computers, for fostering international cooperation in the science and technology of information processing, and for leadership in electrical engineering education."

1984 — M. G. K. MENON
Government of India
New Delhi, India

"For contributions to the planning and growth of science and technology, particularly electronics, and its application to development; promotion of international scientific cooperation; and experimental research in particle physics and cosmic rays."

1983 - CECIL H. GREEN
Texas Instruments
Dallas, TX, USA

"For creative philanthropy fostering collaboration of educational institutions and industry in the advancement of electrical sciences."

1982 — WOLFGANG K. H. PANOFSKY
Stanford Linear Accel. Ctr.
Stanford, CA, USA

"For extensive pioneering contributions to the development of linear particle accelerators, advancement of high power microwave technology, and

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high energy particle physics."

1982 — DONALD E. KNUTH
Stanford University
Stanford, CA, USA

"For his contributions to the field of computer science, through research and education."

1982 — BRIAN D. JOSEPHSON
Univ. of Cambridge
Cambridge, England

"For his prediction (discovery) of pair tunneling between superconductors which constitutes the basis of a Josephson junction technology for high speed and low power computing elements and memories."

1981 — WALTER H. BRATTAIN
Bell Laboratories
Murray Hill, NJ, USA

"For significant contributions to fundamental semiconductor physics leading to the invention of the TRANSISTOR."

1981 — JOHN BARDEEN
University of Illinois
Urbana, IL, USA

"For significant contributions to solid state physics leading to the invention of the TRANSISTOR and to the theoretical understanding of superconductivity."

1981 — EDWIN H. LAND
Polaroid Corporation
Cambridge, MA, USA

"For his pioneering work in science and technology of photography and light."