

IEEE NIKOLA TESLA AWARD
RECIPIENTS

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| 2021 - ZI-QIANG ZHU
Professor, Department of Electronic
and Electrical Engineering,
University of Sheffield, Sheffield,
South Yorkshire, United Kingdom | "For contributions to the design, modeling,
control, and application of ac permanent
magnet machines and drives." |
| 2020 - AKIRA CHIBA
Professor, Tokyo Institute of
Technology, Tokyo Japan | "For contributions to bearingless and
reluctance motors." |
| 2019 - TOMY SEBASTIAN
Director; Motor Drive Systems,
Halla Mechatronics, Bay City,
Michigan, United States | "For contributions to the design and
application of high-performance permanent
magnet synchronous machines to electric
power steering." |
| 2018 - LONGYA XU
Professor, The Ohio State
University, Columbus, Ohio, USA | "For contributions to design and control of
efficient electric machines for wind power
generation and electrified vehicles." |
| 2017 - ADEL RAZEK
Senior Research Director Emeritus,
The National Center for Scientific
Research, Gif Sur Yvette, France | "For contributions to coupled multiphysics
modeling and design of electromagnetic
systems." |
| 2016 - BRUNO LEQUESNE
President, E-Motors Consulting,
LLC, Menomonee Falls,
Wisconsin, USA | "For contributions to the design and
analysis of actuators, sensors, and motors
for automotive applications." |
| 2015 - ION GHEORGHE BOLDEA
Professor, University Politehnica
Timisoara, Timisoara, Romania | "For contributions to the design and control
of rotating and linear electric machines for
industry applications." |
| 2014 - HAMID A. TOLIYAT
Professor and Director of Electric
Power & Electronics Program, Texas
A&M University, College Station, TX,
USA | "For contributions to the design, analysis,
and control of fault-tolerant multiphase
electric machines." |
| 2013 - NORIO TAKAHASHI
Professor, Department of Electrical
and Electronic Engineering,
Okayama University, Okayama,
Japan | "For contributions to finite element
modeling, analysis, and optimal design
tools of electrical machines." |
| 2012 - MANOJ R. SHAH
Senior Engineer, General Electric | "For advancements in electromagnetic
design and analysis of electrical machines." |

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Company,
Niskayuna, NY, USA

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| 2011 – NADY BOULES
Director, Electrical & Controls
Integration Research Lab
General Motors Global Res. & Dev.
Warren, MI, USA | “For contributions to the design, analysis and optimization of permanent magnet machines and for advancing their utilization in the automotive industry.” |
| 2010 – PAUL C. KRAUSE
Professor, Purdue University
West Lafayette, IN, USA | “For outstanding contributions to the analysis of electric machinery using reference frame theory.” |
| 2009 – DONALD WAYNE NOVOTNY
Professor (Emeritus),
Univ of Wisconsin
Madison, WI, USA | “For pioneering contributions to the analysis and understanding of ac machine dynamic behavior and performance in adjustable-speed drives.” |
| 2008 – TIMOTHY J. E. MILLER
Professor of Electrical Engineering
and Director, SPEED Consortium,
University of Glasgow,
United Kingdom | “For outstanding contributions to the advancement of computer-based design and analysis of electric machines and their industrial dissemination” |
| 2007 – THOMAS W. NEHL
Delphi Corporation
Shelby Township, MI, USA | “For pioneering contributions to the simulation and design of electromechanical drives and actuators for automotive applications.” |
| 2006 – KONRAD REICHERT
ETH Zentrum
Zurich, Switzerland | “For contributions to the development of numerical methods and computer analysis and simulation of electrical machines and devices.” |
| 2005 – THOMAS M. JAHNS
Grainger Professor of Power
Electronics and Electrical Machines
University of Wisconsin
Madison, WI, USA | “For pioneering contributions to the design and application of AC permanent magnet machines.” |
| 2004 – SHEPPARD JOEL SALON
Professor, Electrical, Computer and
Systems Engineering Dept.
Rensselaer Polytechnic Institute
Troy, NY, USA | “For pioneering and outstanding contributions to transient finite element computation of electric machines coupled to electronic circuits; and electro-mechanical devices.” |
| 2003 – AUSTIN H. BONNETT
VP of Technology, Emerson Electric | “For leadership in the development and application of design standards, |

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| Electrical Apparatus Service Association (EASA), National Electrical Manufacturers Association (NEMA), Electric Power Research Institute (EPRI), and US Department of Energy and Affiliates (DOE) | maintenance technology, and operating practices to optimize induction motor performance." |
| 2002 - JAMES L. KIRTLEY, Jr.
Massachusetts Institute of Technology
Cambridge, MA, USA | "For contributions to the theoretical analysis, design, and construction of high performance rotating electric machinery, including superconducting turbogenerators." |
| 2001 - STEPHEN WILLIAMSON
University of Manchester
Manchester, U.K. | "For the development of advanced mathematical models and computational tools for induction machine design." |
| 2000 - SYED ABU NASAR
University of Kentucky
Lexington, KY, USA | "For leadership in the research, development and design of linear and rotating machines, and contributions to electrical engineering education." |
| 1999 - NABEEL ALY OMAR DEMERDASH
Marquette University
Milwaukee, WI, USA | "For pioneering contributions to electric machine and drive system design using coupled finite-element network models." |
| 1998 - PAUL DANDENO
University of Toronto
Toronto, Ontario, Canada | "For contribution to modelling and application of synchronous machines, power system controls, and stability analysis." |
| 1997 - PRABHASHANKAR KUNDUR
Powertech Labs Inc.
Surrey, BC, Canada | "For contribution to modeling and application of synchronous machines, power system controls, and stability analysis." |
| 1996 - JOHN A. TEGOPOULOS
National Technical Univ. of Athens
Athens, Greece | "For pioneering contributions in electrical machine design." |
| 1995 - THOMAS A. LIPO
University of Wisconsin
Madison, WI, USA | "For pioneering contributions to the simulation and application of electric machinery in solid-state ac motor drives." |
| 1994 - CARL FLICK
TECHNO-LEXIC
Westinghouse Electric Corporation
Orlando, FL, USA | "For long-term creative contributions and leadership in the design and development of advanced high-speed generators." |

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| 1993 - MADABUSHI V.K. CHARI
General Electric Co.
Schenectady, NY, USA | "For pioneering contributions to finite element computations of nonlinear electromagnetic fields for design and analysis of electric machinery." |
| 1992 - THOMAS HERBERT BARTON
University of Calgary
Calgary, Alberta, Canada | "For the practical application of the generalized theory of electrical machines to A.C. and D.C. drives." |
| 1991 - MICHEL E. POLOUJADOFF
University Pierre et Marie Curie
Paris, France | "For contributions to the theory of electrical machinery and its application to linear induction motors." |
| 1990 - GORDON R. SLEMON
University of Toronto
Toronto, Ontario, Canada | "For application of modeling in electric power equipment and technical leadership in power education." |
| 1989 - DIETRICH R. LAMBRECHT
Siemens AG
Ruhr, West Germany | "For leadership and contributions to advances in large turbine generator design, construction, and application." |
| 1988 - EDWARD I. KING
Westinghouse Electric Corp.
Orlando, FL, USA | "For contributions to computer-aided analysis and design of large rotating machinery." |
| 1987 - J. COLEMAN WHITE
Electric Power Research Institute
Palo Alto, CA, USA | "For contributions to the research, development, and design of ac and dc rotating machines." |
| 1986 - ERIC R. LAITHWAITE
Imperial College of Science & Tech.
London, England | "For contributions to the development and understanding of electric machines and especially of the linear induction motor." |
| 1985 - EUGENE C. WHITNEY
Westinghouse Electric Corp.
Pittsburgh, PA, USA | "For outstanding contributions to the development, design, and construction of large rotating electric machinery." |
| 1984 - HERBERT H. WOODSON
University of Texas
Austin, TX, USA | "For contributions to power generation technology particularly in superconducting generators and magnetohydrodynamic generators." |
| 1983 - NO AWARD | |
| 1982 - SAKAE YAMAMURA
University of Tokyo
Tokyo, Japan | "For contributions to the theory of linear induction motors and the development of magnetic levitation of track vehicles." |

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| 1981 - DEAN B. HARRINGTON
General Electric Co.
Schenectady, NY, USA | "For contributions to the design, development and performance analysis of large steam turbine-generators." |
| 1980 - PHILIP H. TRICKY
Duke University
Durham, NC, USA | "For advancement in the development and application of Tesla's theories through precise designs of small induction machines." |
| 1979 - JOHN W. BATCHELOR
Westinghouse Electric Corp.
East Pittsburgh, PA, USA | "For contributions to the design of large turbine driven generators and the development of related international standards." |
| 1978 - CHARLES H. HOLLEY
General Electric Co.
Schenectady, NY, USA | "For contributions to the evolution of turbine generator designs with achievement in performance and reliability." |
| 1977 - CYRIL G. VEINOTT
University of Missouri
Rolla, MO, USA | "For his leadership in development and application of small induction motors." |
| 1976 - LEON T. ROSENBERG
Allis-Chalmers Power System Inc.
West Allis, WI, USA | "For his half-century of development and design of large steam turbine driven generators and his important contributions to literature." |