

IEEE NIKOLA TESLA AWARD
RECIPIENTS

- 2024 – ALDO BOGLIETTI
Professor, Department of Energy,
Politecnico di Torino, Torino, Italy
“For contributions to the magnetic and thermal modeling, design, and characterization of electrical machines.”
- 2023 – KIRUBA S. HARAN
Professor, University of Illinois at Urbana-Champaign, Urbana, Illinois, USA
“For contributions to advanced high-power density electrical machinery and high-temperature, super-conducting technology applications.”
- 2022 – PETER W. SAUER
Grainger Chair Emeritus Professor of Electrical Engineering, University of Illinois, Urbana, Illinois, USA
“For contributions to dynamic modeling and simulation of synchronous generators and for leadership in power engineering education.”
- 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.”

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| 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
Company,
Niskayuna, NY, USA | “For advancements in electromagnetic design and analysis of electrical machines.” |
| 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 | “For pioneering contributions to the analysis and understanding of ac machine dynamic behavior and performance in |

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- Madison, WI, USA 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
Electrical Apparatus Service
Association (EASA), National
Electrical Manufacturers Association
(NEMA), Electric Power Research
Institute (EPRI), and US Department
of Energy and Affiliates (DOE) "For leadership in the development and
application of design standards,
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.”

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| 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." |
| 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." |

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| 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." |
| 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." |

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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."