

IEEE NIKOLA TESLA AWARD
RECIPIENTS

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|---|---|
| 2025 – SCOTT D. SUDHOFF
Michael and Katherine Birck
Distinguished Professor,
Department of Electrical and
Computer Engineering, Purdue
University, West Lafayette, Indiana,
USA | “For contributions to the analysis and design of electric machinery and power electronic systems.” |
| 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."