

IEEE NIKOLA TESLA AWARD
RECIPIENTS

- 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.”
- 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,
“For contributions to finite element
modeling, analysis, and optimal design
tools of electrical machines.”

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Okayama University, Okayama,
Japan

- 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
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
"For pioneering and outstanding contributions to transient finite element computation of electric machines coupled to electronic circuits; and electro-

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| TECHNO-LEXIC Westinghouse Electric Corporation Orlando, FL, USA | 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." |
| 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 | "For contributions to the theory of linear induction motors and the development of |

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| Tokyo, Japan | 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." |
| 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." |