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 Politechnica 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  
“For contributions to the design, analysis and optimization of permanent magnet machines and for advancing their
IEEE NIKOLA TESLA AWARD
RECIPIENTS

General Motors Global Res. & Dev. Warren, MI, USA 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 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.”
## IEEE NIKOLA TESLA AWARD
### RECIPIENTS

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Affiliation</th>
<th>Citation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>JAMES L. KIRTY, Jr.</td>
<td>Massachusetts Institute of Technology, Cambridge, MA, USA</td>
<td>&quot;For contributions to the theoretical analysis, design, and construction of high performance rotating electric machinery, including superconducting turbogenerators.&quot;</td>
</tr>
<tr>
<td>2001</td>
<td>STEPHEN WILLIAMSON</td>
<td>University of Manchester, Manchester, U.K.</td>
<td>“For the development of advanced mathematical models and computational tools for induction machine design.”</td>
</tr>
<tr>
<td>2000</td>
<td>SYED ABU NASAR</td>
<td>University of Kentucky, Lexington, KY, USA</td>
<td>&quot;For leadership in the research, development and design of linear and rotating machines, and contributions to electrical engineering education.&quot;</td>
</tr>
<tr>
<td>1999</td>
<td>NABEEL ALY OMAR DEMERDASH</td>
<td>Marquette University, Milwaukee, WI, USA</td>
<td>&quot;For pioneering contributions to electric machine and drive system design using coupled finite-element network models.&quot;</td>
</tr>
<tr>
<td>1998</td>
<td>PAUL DANDENO</td>
<td>University of Toronto, Toronto, Ontario, Canada</td>
<td>&quot;For contribution to modelling and application of synchronous machines, power system controls, and stability analysis.&quot;</td>
</tr>
<tr>
<td>1997</td>
<td>PRABHASHANKAR KUNDUR</td>
<td>Powertech Labs Inc., Surrey, BC, Canada</td>
<td>&quot;For contribution to modeling and application of synchronous machines, power system controls, and stability analysis.&quot;</td>
</tr>
<tr>
<td>1996</td>
<td>JOHN A. TEGOPOULOS</td>
<td>National Technical Univ. of Athens, Athens, Greece</td>
<td>&quot;For pioneering contributions in electrical machine design.&quot;</td>
</tr>
<tr>
<td>1995</td>
<td>THOMAS A. LIPO</td>
<td>University of Wisconsin, Madison, WI, USA</td>
<td>&quot;For pioneering contributions to the simulation and application of electric machinery in solid-state ac motor drives.&quot;</td>
</tr>
<tr>
<td>1994</td>
<td>CARL FLICK</td>
<td>TECHNO-LEXIC, Westinghouse Electric Corporation, Orlando, FL, USA</td>
<td>&quot;For long-term creative contributions and leadership in the design and development of advanced high-speed generators.&quot;</td>
</tr>
<tr>
<td>1993</td>
<td>MADABUSHI V.K. CHARI</td>
<td>General Electric Co., Schenectady, NY, USA</td>
<td>&quot;For pioneering contributions to finite element computations of nonlinear electromagnetic fields for design and analysis of electric machinery.&quot;</td>
</tr>
<tr>
<td>Year</td>
<td>Name</td>
<td>Institution</td>
<td>Award</td>
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<tr>
<td>1992</td>
<td>THOMAS HERBERT BARTON</td>
<td>University of Calgary</td>
<td>&quot;For the practical application of the generalized theory of electrical machines to A.C. and D.C. drives.&quot;</td>
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<tr>
<td></td>
<td></td>
<td>Calgary, Alberta, Canada</td>
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<tr>
<td>1991</td>
<td>MICHEL E. POLOUIJADOFF</td>
<td>University Pierre et Marie Curie</td>
<td>&quot;For contributions to the theory of electrical machinery and its application to linear induction motors.&quot;</td>
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<tr>
<td></td>
<td></td>
<td>Paris, France</td>
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<tr>
<td>1990</td>
<td>GORDON R. SLEMON</td>
<td>University of Toronto</td>
<td>&quot;For application of modeling in electric power equipment and technical leadership in power education.&quot;</td>
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<tr>
<td></td>
<td></td>
<td>Toronto, Ontario, Canada</td>
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<tr>
<td>1989</td>
<td>DIETRICH R. LAMBR ECHT</td>
<td>Siemens AG</td>
<td>&quot;For leadership and contributions to advances in large turbine generator design, construction, and application.&quot;</td>
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<tr>
<td></td>
<td></td>
<td>Ruhr, West Germany</td>
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<tr>
<td>1988</td>
<td>EDWARD I. KING</td>
<td>Westinghouse Electric Corp.</td>
<td>&quot;For contributions to computer-aided analysis and design of large rotating machinery.&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Orlando, FL, USA</td>
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<tr>
<td>1987</td>
<td>J. COLEMAN WHITE</td>
<td>Electric Power Research Institute</td>
<td>&quot;For contributions to the research, development, and design of ac and dc rotating machines.&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Palo Alto, CA, USA</td>
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<tr>
<td>1986</td>
<td>ERIC R. LAITHWAITE</td>
<td>Imperial College of Science &amp; Tech.</td>
<td>&quot;For contributions to the development and understanding of electric machines and especially of the linear induction motor.&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>London, England</td>
<td></td>
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<tr>
<td>1985</td>
<td>EUGENE C. WHITNEY</td>
<td>Westinghouse Electric Corp.</td>
<td>&quot;For outstanding contributions to the development, design, and construction of large rotating electric machinery.&quot;</td>
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<tr>
<td></td>
<td></td>
<td>Pittsburgh, PA, USA</td>
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<tr>
<td>1984</td>
<td>HERBERT H. WOODSON</td>
<td>University of Texas</td>
<td>&quot;For contributions to power generation technology particularly in superconducting generators and magnetohydrodynamic generators.&quot;</td>
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<tr>
<td></td>
<td></td>
<td>Austin, TX, USA</td>
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<tr>
<td>1983</td>
<td>NO AWARD</td>
<td></td>
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<tr>
<td>1982</td>
<td>SAKAE YAMAMURA</td>
<td>University of Tokyo</td>
<td>&quot;For contributions to the theory of linear induction motors and the development of magnetic levitation of track vehicles.&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tokyo, Japan</td>
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<tr>
<td>1981</td>
<td>DEAN B. HARRINGTON</td>
<td>General Electric Co.</td>
<td>&quot;For contributions to the design, development and performance analysis of large steam turbine-generators.&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schenectady, NY, USA</td>
<td></td>
</tr>
<tr>
<td>1980</td>
<td>PHILIP H. TRICKY</td>
<td>Duke University</td>
<td>&quot;For advancement in the development and application of Tesla's theories through&quot;</td>
</tr>
</tbody>
</table>


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RECIPIENTS

Durham, NC, USA

precise designs of small induction machines."

1979 - JOHN W. BATELOR
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."