

## **IEEE WILLIAM E. NEWELL POWER ELECTRONICS AWARD**

### **RECIPIENTS**

- 2022 – FANG ZHENG PENG  
University Distinguished Professor,  
Florida State University,  
Tallahassee, Florida, USA  
“For the development of cascaded multilevel inverters and high-power converter topologies, and for their advancement in grid-scale applications.”
- 2021 – ROBERT W. ERICKSON  
Professor, University of Colorado at  
Boulder, Boulder, Colorado, USA  
“For contributions to power electronics education and analysis, modeling, and design of power converters.”
- 2020 – IVO BARBI  
Emeritus Professor, Federal  
University of Santa Catarina,  
Florianopolis, Brazil  
“For contributions to soft-switching converter technologies and power electronics education.”
- 2019 – PATRIZIO VINCIARELLI  
CEO, Vicor Corporation, Andover,  
Massachusetts, USA  
“For visionary leadership in the development of high-efficiency, high-power-density power conversion components for distributed power system applications.”
- 2018 - RAINER MARQUARDT  
Professor for Power Electronics and  
Control, Universität der Bundeswehr  
München, Neubiberg, Germany  
“For development of the modular multilevel converter application in medium drives and high-voltage DC transmission systems.”
- 2017 - SEUNG-KI SUL  
Professor, Department of Electrical  
and Computer Engineering, Seoul  
National University, Seoul, Korea  
“For contributions to the sensorless control of rotating field electrical machines”
- 2016 – JOHANN W. KOLAR  
Professor, Power Electronic Systems  
Laboratory, ETH Zurich, Zurich,  
Switzerland  
“For contributions to the advancement of three-phase pulse-width modulation (PWM) converter systems and power electronics education.”
- 2015 - SHU YUEN RON HUI  
Professor (Jointly) University of Hong  
Kong and Imperial College London,  
Department of Electrical & Electronic  
Engineering, University of Hong Kong  
“For contributions to power electronics applications in planar wireless charging and sustainable lighting technology.”
- 2014 - FREDE BLAABJERG  
Professor, Aalborg University,  
Department of Energy Technology,  
Aalborg, Denmark  
“For contributions to power electronics in renewable energy and adjustable speed drives.”
- 2013 - RIK W. DE DONCKER  
Professor Dr. ir. and Head of  
Institute for Power Electronics and  
“For contributions to the development of new components, topologies, and controls in power electronic systems.”

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Electrical Drives, RWTH Aachen University, Aachen, Germany and Director of E. ON Energy Research Center, RWTH Aachen University Honorary Doctor and Professor at Faculty for Electrical Engineering and Information Technology at Technical University Riga, Latvia

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| 2012 - LEO LORENZ<br>Senior Principal, Infineon Technologies, Neubiberg, Germany  | "For contributions to the development of power semiconductor devices and integrated power modules."                          |
| 2011 - PRAVEEN JAIN<br>Professor and Canada Research Chair, Department of Electrical and Computer Engineering; Director, Queen's Centre for Energy and Power Electronics Research (ePOWER), Queen's University, Kingston, Ontario, Canada | "For advancements in the theory and practice of high-frequency power conversion systems."                                    |
| 2010 - AKIO NAKAGAWA<br>Fellow, Toshiba Corporation<br>Kawasaki, Japan  | "For development of non-latch-up IGBTs."   |
| 2009 - TADASHI FUKAO<br>Independent Consultant,<br>Yokohama, Japan  | "For contributions to the development of cycloconverters and bearingless drives."  |
| 2008 - ISTVAN NAGY<br>Professor, Budapest University of Technology and Economics,<br>Hungary  | "For leadership in the research, development, worldwide promotion, and university education in power electronics technology" |
| 2007 - DUSHAN BOROYEVICH<br>Professor, Virginia Polytechnic Institute & State University,<br>Blacksburg, VA, USA  | "For advancement of control, modeling, and design of switching power converters."  |
| 2006 - DEEPAKRAJ M. DIVAN<br>Georgia Institute of Technology,<br>School of ECE,<br>Atlanta, GA, USA   | "For leadership in the development of soft-switching power converters."  |

Prior to 2006, the IEEE William E. Newell Power Electronics Award was a society-level award and was presented from 1979 through 2005. Past society-level award recipients can be found by accessing <http://www.ieee-pels.org/awards/william-e-newell-award>.