

IEEE PES Cyril Veinott Electromechanical Energy Conversion Award



This award recognizes outstanding contributions in the field of electromechanical energy conversion. Research and developments on electric motors continued throughout the 20th century and into the 21st to the point that such devices have now become an integral part of our lives. The current ubiquitous presence of the electric motor in everything we do has resulted from the work of dedicated engineers throughout the world.

The award is named for the man responsible for numerous practical improvements in the design and application of electric motors over 50 years. Dr. Cyril Veinott made seminal contributions to the development of poly-phase induction motors, 400 Hz aircraft motors, and was a pioneer in the application of digital computers to the design of electric motors. He was responsible for the early measurements and mitigation of electric motor noise. He helped write many IEEE and

NEMA standards for electric motors. He was the first person to be inducted into the Hall of Fame created by the Small Motor Manufacturers Association in 1985.

The IEEE PES Cyril Veinott Electromechanical Energy Conversion Award consists of a plaque and an honorarium of \$5,000 USD. This award was made possible from a donation made by Dr. Cyril Veinott.

Current Committee Members:

Based on available information

Nils Nilsson (Chair)
James Edmonds
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Past Recipients:

Complete listing is available on website

2011 Stephen D. Umans
2012 J. Sheung-Chun Hsu
2013 Clyde V. Maughan
2014 James S. Edmonds
2015 Babak Fahimi
2016 William R. McCown
2017 Gérard-André Capolino
2018 Steve Pekarck
2019 Kiruba Sivasubramaniam Haran

IEEE PES Cyril Veinott Electromechanical Energy Conversion Award

DAN M. IONEL

2020 Recipient

For contributions to the design, development and manufacturing of high efficiency electric motors and generators

DAN M. IONEL, Ph.D., FIEEE, is Professor of Electrical Engineering and the L. Stanley Pigman Chair in Power at University of Kentucky, Lexington, KY, where is also the Director of the SPARK Laboratory and of the Power and Energy Institute of Kentucky (PEIK). He previously worked in industry, most recently as Chief Engineer for Regal Beloit Corp., and, before that, as the Chief Scientist for Vestas Wind Turbines. Concurrently with industrial appointments, he also served as Visiting and Research Professor at University of Wisconsin and Marquette University in Milwaukee, WI. Earlier in his career, he was in industry with ICPEME in Romania, Invensys Brook Crompton in UK, and AO Smith Corp. in US.



Professor Ionel received the MEng and PhD degrees in electrical engineering from the University Politehnica of Bucharest, Romania. His doctoral program included a Leverhulme Visiting Fellowship at the University of Bath, UK. He was a Postdoctoral Researcher with the SPEED Laboratory, University of Glasgow, UK.

He contributed to technology developments with long lasting industrial impact, including one of US' most successful range of PM motor drives and one of the world's most powerful wind turbines, was co-author of SPFD software modules, holds more than thirty patents, including a medal winner at the Geneva Invention Fair, published more than two hundred papers, including five that received IEEE awards, and co-authored three books. His research has been supported directly by industry, and by NSF, NIST, DOE, and NASA.

An IEEE Fellow, Professor Ionel was the Chair of the IEEE PES Electric Motor Subcommittee, of the IEEE PES WG 1812, and of the IEEE IAS Renewable and Sustainable Energy Conversion Systems Committee, Editor of IEEE Transactions on Sustainable Energy, Technical Program Chair for IEEE ECCE 2015, and General Chair for the IEEE 2017 IEMDC Anniversary Edition. He is the Editor-in-Chief of the Electric Power Components and Systems Journal and the Chair of the Steering Committee for the IEEE International Conference on Electrical Machines and Drives (IEMDC).



CELEBRATING EXCELLENCE IEEE POWER & ENERGY SOCIETY AWARDS 2020



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Washington, DC for the

**2021 IEEE POWER & ENERGY
SOCIETY GENERAL MEETING
AND AWARD CELEBRATIONS!**

