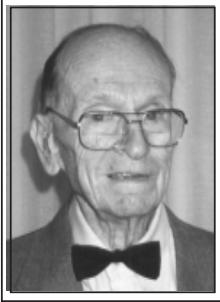


# IEEE PES Cyril Veinott Electromechanical Energy Conversion Award



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 polyphase 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 Cyril Veinott Electromechanical Energy Conversion Award consists of a plaque and an honorarium of \$5,000.*

## Past Recipients

- 2000 Paul I. Nippes
- 2003 M. Azizur Rahman
- 2004 Hamid A. Toliyat
- 2005 Ronald G. Harley
- 2006 Scott D. Sudhoff
- 2008 Oleg Wasynczuk
- 2009 Emil Levi
- 2010 Osama A. Mohammed

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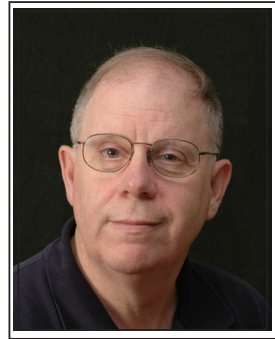
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# IEEE PES Cyril Veinott Electromechanical Energy Conversion Award

**Stephen D. Umans**  
2011 Recipient

*For contributions to the analysis and design  
of electric machinery and drives*

**Steve Umans** is currently an independent consultant, having retired in 2004 as Principal Research Engineer in the MIT Electrical Engineering and Computer Science Department. He is a graduate of the Massachusetts Institute of Technology, having received the S.B. and S.M. and Sc.D. degrees, all in electrical engineering.



At MIT, in addition to conducting research in the areas of electromechanics, electric machinery and electric power systems, Dr. Umans taught courses in electromagnetic field theory, electromechanics, electric power systems, and circuit and control theory.

He is a member of the IEEE PES Electric-Machinery Committee and related subcommittees.

He is author of the textbook “Fitzgerald and Kingsley’s ELECTRIC MACHINERY”, soon to be published in its 7th edition by McGraw-Hill. Dr. Umans is a Fellow of the IEEE and a member of the National Academy of Engineering. His hobbies include radio-control airplanes and amateur radio and he is active as a clarinetist in various chamber-music and orchestral groups.

Steve and his wife Denise reside in Belmont, MA and are the parents of two children.

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