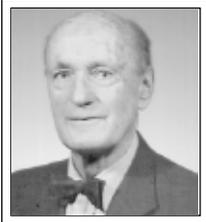


## Uno Lamm High Voltage Direct Current Award

*“Engineering - Accomplishment Through Imagination and Truth”*



The Uno Lamm High Voltage Direct Current Award was established in 1980 by the Power Engineering Society of the IEEE on the recommendation of the DC Transmission Subcommittee. It provides a means for special recognition of those outstanding engineers and scientists who have contributed to the advancement of high voltage direct current (HVDC) technology.

The award is named for the man most responsible for the research and development that led to the first practical application of an HVDC connection between AC systems. The keys to the solution of this problem were the development of an electric valve which could be used in high capacity, high voltage converters, and a fundamental system technology. This outstanding engineer and scientist was Dr. Uno Lamm, an IEEE Fellow and the 1965 recipient of the Benjamin Lamme Medal.

Dr. Lamm graduated from the Royal Institute of Technology, Stockholm, in 1927 and acquired his Doctorate of Technology in 1943. He joined ASEA in 1928 with the task of developing mercury arc rectifiers as an early assignment. During his career with ASEA, he received progressively more responsible appointments: head of the Rectifier Department; head of ASEA's Nuclear Department; Electrotechnical Director; and Consultant to the President of ASEA. Dr. Lamm died in 1989 at the age of 85.

At the invitation of the Subcommittee, ASEA of Sweden provided the initial funds that were used to underwrite this Award. In order to sustain this important Award and to permit selection of a medalist every year, the subcommittee solicited additional funds from selected manufacturers and electric utility companies.

*The Uno Lamm HVDC Award consists of a bronze medal, an engraved certificate and an honorarium of \$1,000.*

### Recent Past Recipients:

- 2001 Dusan Povh
- 2002 Conrad Beriger
- 2003 Göte Liss
- 2004 Dennis A. Woodford
- 2005 Michael L. Woodhouse
- 2006 Gunnar Asplund
- 2007 Peter Lips
- 2008 Willis F. Long
- 2009 Marcio Szechtman

## Uno Lamm High Voltage Direct Current Award

**MOHAMED M. RASHWAN**

2010 Recipient

***For outstanding contributions, dedication and leadership for the integration, and operation of HVDC in the power system and the advancement of new ideas in the HVDC technology***

**Mohamed Rashwan** obtained his B.Sc. in Electrical Engineering from Alexandria University in Egypt and the Ph.D. in electrical engineering from the University of Manitoba. He has over 35 years of experience in the area of HVDC and Power Electronic equipment. Dr. Rashwan spent 25 years with Manitoba Hydro in Canada where he was responsible for the Nelson River HVDC Transmission System in several capacities. He headed the HVDC Engineering Department where his responsibilities included operation and maintenance, design, commissioning, and specifying the equipment.



During the past 8 years Dr. Rashwan has been the president of Transgrid Solutions Inc. and has been consulting on HVDC and Power Electronics world wide in Brazil, Columbia, USA, Canada, Germany, Ireland, Denmark, New Zealand, Australia, India, China, Indonesia, and Malaysia.

Dr. Rashwan is a:

- Fellow of IEEE
- Distinguished member of Cigre
- Registered professional engineer in Manitoba, Alberta, Saskatchewan and New Foundland
- Member of Cigre study committee B4 HVDC and Power Electronic equipment
- Member of IEC TC115
- Chairman of the Canadian National Committee of Cigre