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**MAGAZINE**

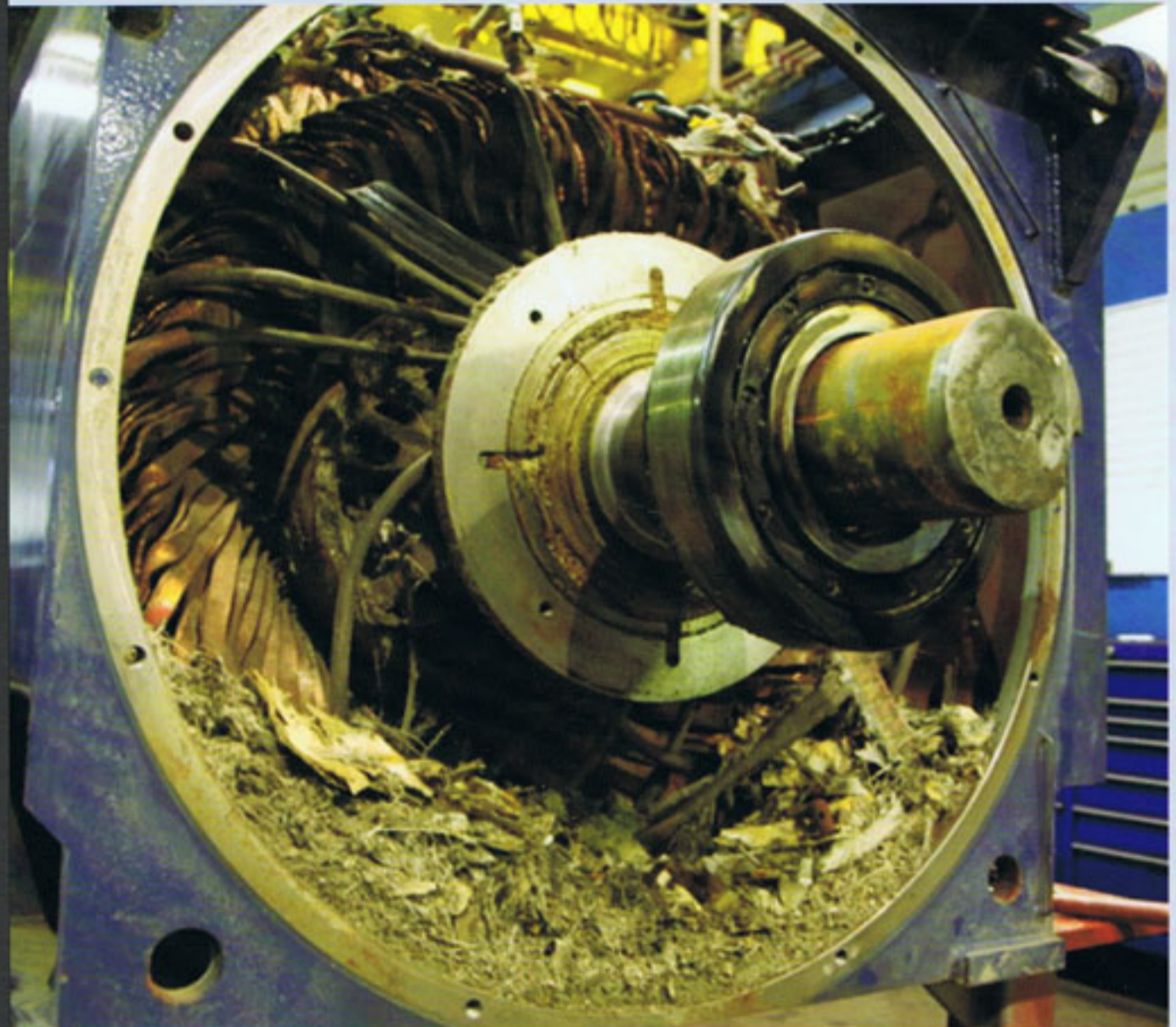
IEEE

**ELECTRICAL INSULATION**

A Publication of the Dielectrics & Electrical Insulation Society

## Featured in this Issue:

- A Review of Electrical Winding Failures in Wind Turbine Generators
- A Step Forward in the Characterization of the Partial Discharge Phenomenon and the Degradation of Insulating Materials Through Nonlinear Analysis of Time Series
- The Use of MIL-PRF-87257 Hydraulic Fluid as a Switching Medium for a High-Power Microwave Switch
- Measurement of Leakage Current for Monitoring the Performance of Outdoor Insulators in Polluted Environments
- Comparison Between Conventional and Nanofilled Enamels Under Different Environmental Conditions



*Catastrophic wind turbine rotor failure described in the article beginning on page 8.*





At a special ceremony at the Université du Québec à Chicoutimi (UQAC) on March 15, 2012, the Masoud Farzaneh Award was presented to Dr. Edward A. Cherney, consultant and Adjunct Professor at the University of Waterloo, for his remarkable contribution to outdoor insulation and education.

The Masoud Farzaneh Award was established in 2010 by UQAC in honor of Professor Masoud Farzaneh, an internationally renowned researcher in the field of power transmission and distribution in cold climate regions, whose contribution and impact made UQAC a world leader in this domain. It is granted to an individual for outstanding contributions related to the fields of power transmission and distribution, and high-voltage engineering.

Dr. Cherney received the BSc degree in honors physics from the University of Waterloo in 1967; the MSc degree in physics

from McMaster University in 1969; and in 1974, the PhD degree in electrical engineering from the University of Waterloo. Since 1968, he has been involved in research and development in both industry and academia. While at the Ontario Hydro Research Division (now known as Kinectrics) in Toronto, he introduced the concept of alternating diameter suspension insulators to combat icing outages of transmission lines in the Province of Ontario.

Dr. Cherney is a Life Fellow of the IEEE Power and Energy Society, a member and Whitehead Lecturer of the IEEE Dielectrics and Electrical Insulation Society, a registered engineer in the Province of Ontario, the Co-Editor-in-Chief of the *IEEE Electrical Insulation Magazine*, and the Industry Liaison at the University of Waterloo High-Voltage Laboratory.

