Seminar by Joint IEEE Ottawa-Montreal Section DEIS Chapter,
IEEE Ottawa PES & IMS Chapters, and EPMG of INMS/NRC

The IEEE Ottawa Section is inviting all interested IEEE members and other engineers, technologists, and students to a seminar on dielectrics and electrical insulation.

HIGH TEMPERATURE INSULATING MATERIALS: RESEARCH AT UNIVERSITY OF WINDSOR

by

Emeritus Professor Gorur Govinda Raju, University of Windsor, Windsor, Canada

DATE: February 27, 2008.
TIME: 10:00 a.m. Registration and Networking; 10:15 a.m. – 12:00 p.m. Seminar.
PLACE: National Research Council, 1200 Montreal Road, Ottawa, Building M-50, Room 115.
PARKING: No fee at the visitor's parking. Please respect restricted areas.

Abstract High voltage electrical equipments such as generators, transformers and motors may be segmented into three components: The electrical circuit, the magnetic circuit and the dielectric circuit. In some cases such as the circuit breaker the magnetic circuit may not exist, but the dielectric circuit is an inevitable component of any electrical equipment. The equipments also fail inevitably by the degeneration and eventual breakdown of the insulating components. The dominant factor that influences the life of insulation, apart from the electric field, is the thermal stress. A large number of high temperature materials are available in the industrial scene and the research that is being carried out at the University of Windsor will be explained. Several aspects of insulation failure are dealt with, with the explanation of various phenomena included in a non-mathematical approach.

Professor Gorur Govindra Raju obtained the B. Eng. Degree from the University of Bangalore (India) and the Ph. D. degree from the University of Liverpool, England. He then worked as Research Engineer at the Associated Electrical Industries, Manchester, England. He joined the Department of High Voltage Engineering, Indian Institute of Science, Bangalore and became the Chairman during 1975-1980. He has held the Leverhulme Fellowship and Commonwealth Fellowship at the University of Sheffield. He has been a Visiting Professor to BARC, Trombay and University of Bangalore. He joined the University of Windsor, Canada in 1980 and became the Head of the Electrical and Computer Engineering Department during 1989-97 and 2000-2002. He is currently an Emeritus Professor at the University. He has published over 140 papers in international journals and conferences and three books. He is a Fellow of the Institution of Engineers, India, registered Professional Engineer of Ontario, and Senior member of IEEE.

Admission: Free. Registration required for security reasons,
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