

IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION

AIMS, SCOPE AND SUBJECTS

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Scope: Topics that are concerned with dielectric phenomena and measurements, with development and characterization of gaseous, vacuum, liquid and solid electrical insulating materials and systems; and with utilization of these materials in circuits and systems under condition of use.

Subjects: Nanodielectrics, partial discharges, outdoor insulation; biodielectrics, dielectrics and electrical insulation at cryogenic temperatures, liquid dielectrics, solid dielectrics, gaseous dielectrics, vacuum insulation, electrostatics, electrical insulation of rotating machines, electrical insulation in power transformers, cable insulation, electrical and water trees, condition monitoring and diagnostics, insulation in power modulators and repetitive pulsed power.

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Papers: [1] A. B. Charles, "Partial Discharges", IEEE Trans. Dielectr. Electr. Insul., Vol. 123, pp. 45–67, 1987.

Books: [2] D. E. Fredd and G. Halo, *Superlative Insulators*, Plenty Press, Inc., New York, 1899, Chapter 4.

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