

EDITORIAL POLICIES

The IEEE Dielectrics and Electrical Insulation Society (DEIS) is responsible for leadership, coordination, and communication among those who are concerned with dielectric phenomena and measurements; with development and characterization of gaseous, liquid, and solid electrical insulating materials and vacuum; and with utilization of these materials in circuits and systems under conditions of use. The Society offers two publications which are relevant to the dissemination of information within its scope: these TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION and the EI MAGAZINE. In each publication, every paper is reviewed and evaluated for acceptability in terms of its relevance, its technical contribution, and, for the TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, its continuing value as part of the permanent literature.

Reports and articles worth writing deserve skillful presentation. The text must be stylistically and grammatically correct. The facts and ideas need to be expressed clearly, succinctly, and attractively for the average reader; the author should not assume that every reader is an expert in the author's field. Stimulating and informative communication of scientific and technical knowledge that has continuing value is required. Good style and clarity are courtesies that the author owes to the reader. The purpose of publication is to convey technical information. Good writing insures that this is accomplished. The author need not be a member of the IEEE or of the DEIS. All persons active in the field are encouraged to submit papers for consideration, irrespective of professional affiliation.

An essential part of research is open publication of its results. Therefore, it can be argued that a research project should bear part of the publication cost, usually paid in the form of page charges. Nevertheless, the DEIS currently does not levy page charges. All publication costs are paid by the DEIS as a service to its members and the research community. However, if either the figures, tables or other artwork in the manuscript violate the guidelines, or if changes are made on the final proof beyond the original manuscript, the author will be charged appropriate modification costs.

The TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION is published bimonthly to provide a permanent record of the expanding corpus of scientific and technical knowledge for all IEEE members and others interested in the interdisciplinary field of dielectrics and electrical insulation. It is an archival publication which disseminates the results of fundamental and applied research. This journal is edited to encourage deeper understanding and greater effectiveness in the reporting of facts and theories germane to dielectric behavior and properties of electrical insulating materials and systems.

Thoughtfully prepared and carefully documented papers dealing with fundamental concepts of dielectric behavior, with original theoretical and experimental studies, and with reproducible means of evaluating performance of materials and equipment are most appropriate. Tutorial or synoptic papers are encouraged, provided they present a fresh approach and a penetrating analysis of an established subject in the field of dielectrics or electric insulation.

Conclusions must be supported by data or literature references so that the reader may judge the paper's validity independently. The author is expected to differentiate between conclusions based on association and those that can be attributed to specific causes. The manuscript should be precise, concise, and candid. All pertinent literature, including antithetical references, should be cited. Mere summaries of the literature, progress reports having no permanent value, and papers containing commercial overtones are not acceptable. Failure either to disclose the generic name of a material, or to characterize it technically, and the improper use of a trademark will result in a request for revision as a condition of acceptance.

The TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION publishes four categories of technical reports: regular papers, reviews, communications, and dielectric letters. Regular papers (up to 8 pages), as described above, are well-documented final reports of research projects. Communications (up to 5 pages) and dielectric letters (up to 3 pages) are shorter and contain noteworthy items of technical interest or ideas required rapid publication. Reviews (more than 8 pages) are synoptic papers on a subject of general interest, with ample literature references, and written for readers with widely varying background.