

A Sample Article Using IEEEtran.cls for IEEE Journals and Transactions

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Abstract—This document describes the most common article elements and how to use the IEEEtran class with L^AT_EX to produce files that are suitable for submission to the IEEE. IEEEtran can produce conference, journal, and technical note (correspondence) papers with a suitable choice of class options.

Index Terms—Article submission, IEEE, IEEEtran, journal, L^AT_EX, paper, template, typesetting.

I. INTRODUCTION

THIS file is intended to serve as a “sample article file” for IEEE journal papers produced under L^AT_EX using IEEEtran.cls version 1.8b and later. The most common elements are covered in the simplified and updated instructions in “New_IEEEtran_how-to.pdf”. For less common elements you can refer back to the original “IEEEtran_HOWTO.pdf”. It is assumed that the reader has a basic working knowledge of L^AT_EX. Those who are new to L^AT_EX are encouraged to read Tobias Oetiker’s “The Not So Short Introduction to L^AT_EX,” available at: <http://tug.ctan.org/info/lshort/english/lshort.pdf> which provides an overview of working with L^AT_EX.

II. THE DESIGN, INTENT, AND LIMITATIONS OF THE TEMPLATES

The templates are intended to **approximate the final look and page length of the articles/papers. They are NOT intended to be the final produced work that is displayed in print or on IEEEExplore®.** They will help to give the authors an approximation of the number of pages that will be in the final version. The structure of the L^AT_EX files, as designed, enable easy conversion to XML for the composition systems used by the IEEE. The XML files are used to produce the final print/IEEEExplore pdf and then converted to HTML for IEEEExplore.

III. WHERE TO GET L^AT_EX HELP — USER GROUPS

The following online groups are helpful to beginning and experienced L^AT_EX users. A search through their archives can provide many answers to common questions.

<http://www.latex-community.org/>
<https://tex.stackexchange.com/>

IV. OTHER RESOURCES

See [1]–[5] for resources on formatting math into text and additional help in working with L^AT_EX.

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V. TEXT

For some of the remainder of this sample we will use dummy text to fill out paragraphs rather than use live text that may violate a copyright.

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