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IEEEtran is the official LaTeX class for authors of the Institute of Electrical and Electronics Engineers (IEEE) transactions, journals, and conferences. The latest version of the IEEEtran package can be found at CTAN: http://www.ctan.org/tex-archive/macros/latex/contrib/IEEEtran/ as well as within IEEE's site: http://www.ieee.org/. For latest news, helpful tips, answers to frequently asked questions, beta releases and other support, visit the IEEEtran home page at my website: http://www.michaelshell.org/tex/ieeetran/.

Version 1.7a is a bug fix release that corrects the two column peer review title page problem. This problem was not present in the 1.6 series. V1.7 is a significant update over the 1.6 series with many important changes. For a full list, please read the file changelog.txt. The most notable changes include:

1. New class option compsoc to support the IEEE Computer Society format.
2. Several commands and environments have been deprecated in favor of replacements with IEEE prefixes to better avoid potential future name clashes with other packages. Legacy code retained to allow the use of the obsolete forms (for now), but with a warning message to the console during compilation:
\IEEEauthorblockA, \IEEEauthorblockN, \IEEEauthorrefmark, \IEEEbiography, \IEEEbiographynophoto, \IEEEkeywords, \IEEEPARstart, \IEEEproof, \IEEEpubid, \IEEEpubidadjcol, \IEEEQED, \IEEEQEDclosed, \IEEEQEDopen, \IEEEspecialpapernotice. IEEEtran.cls now redefines \proof in way to avoid problems with the amsthm.sty package.

   For IED lists: \IEEEiedlabeljustifyc, \IEEEiedlabeljustifyl, \IEEEiedlabeljustifyr, \IEEEnocalcleftmargin, \IEEElabelindent, \IEEEsetlabelwidth, \IEEEusemathlabelsep

   These commands/lengths now require the IEEE prefix and do not have legacy support: \IEEEnormaljot.

   For IED lists: \ifIEEEnocalcleftmargin, \ifIEEEnolabelindentfactor, \IEEEiedlistdecl, \IEEElabelindentfactor

3. New \CLASSINPUT, \CLASSOPTION and \CLASSINFO interface allows for more user control and conditional compilation.
4. Several bug fixes and improved compatibility with other packages.

A note to those who create classes derived from IEEEtran.cls: Consider the use of patch code, either in an example .tex file or as a .sty file, rather than creating a new class. The IEEEtran.cls CLASSINPUT interface allows IEEEtran.cls to be fully programmable with respect to document margins, so there is no need for new class files just for altered margins. In this way, authors can benefit from updates to IEEEtran.cls and the need to maintain derivative classes and backport later IEEEtran.cls revisions thereto is avoided. As always, developers who create classes derived from IEEEtran.cls should use a different name for the derived class, so that it cannot be confused with the official/base version here, as well as provide authors with technical support for the derived class. It is generally a bad idea to produce a new class that is not going to be maintained.

Best wishes for all your publication endeavors,

Michael Shell
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Files	Description
README	This file.
IEEEtran.cls	The IEEEtran LaTeX class file.
changelog.txt	The revision history.
IEEEtran_HOWTO.pdf	The IEEEtran LaTeX class user manual.
bare_conf.tex	A bare bones starter file for conference papers.
bare_jrnl.tex	A bare bones starter file for journal papers.
bare_jrnl_compsoc.tex	A bare bones starter file for Computer Society journal papers.
bare_adv.tex	A bare bones starter file showing advanced techniques such as conditional compilation, hyperlinks, PDF thumbnails, etc. The illustrated format is for a Computer Society journal paper.