

LaTeX style and template files for BU ECE technical report

Content: [bu_ece_report.zip](#) - LaTeX package for preparation of BU ECE technical reports

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This package contains files necessary to prepare a BU ECE technical report under LaTeX typesetting system. It has been tested under Linux, but should work under MikTeX on Windows.

The package specifies report style (either generic report style with chapters or article style with sections) to assure uniformity among reports from different authors. It also defines cover page formatted to fit the cutout in ECE report cardboard covers. This makes for a nicely bound copy of the report.

In order to get your technical report number, contact the administrative assistant of the Department Chair (PHO324), and provide him/her with report title and author names. The department does not have a repository of past technical reports but keeps a record of reports (title, author names and report number).

The following files are included in the package:

- `bu_ece_report.sty` - BU ECE technical report LaTeX style file,
- `BUseal_color.eps` - BU seal EPS file,
- `BUlogo_color.eps` - BU logo EPS file,
- `ieeetr.bst` - unsorted IEEE BiBTeX style file,
- `ieeetrst.bst` - sorted IEEE BiBTeX style file,
- `report.tex` - LaTeX template for a report,
- `report.bbl` - BiBTeX-generated .bbl file to compile with report.tex.

The first three files (`bu_ece_report.sty`, `BUseal_color.eps`, `BUlogo_color.eps`) specify the BU ECE report style. The next two files (`ieeetr.bst`, `ieeetrst.bst`) are recommended as the bibliography style (unsorted and sorted, respectively) for the BU ECE technical reports. Finally, `report.tex` is a template LaTeX file that is suggested as a starting point for the preparation of a BU ECE technical report (`report.bbl` is needed for the compilation of `report.tex`).

PDF caveat: In order to create a good-quality PDF version of the report (especially if it includes grayscale images) under Linux, first prepare a PostScript file using “`dvips -P pdf -G0 ...`” (`G0` fixes the ligature problem), and then convert to PDF as follows:

```
“ps2pdf -dMaxSubsetPct=100 -dCompatibilityLevel=1.2 \  
-dSubsetFonts=true -dEmbedAllFonts=true -dAutoFilterColorImages=false \  
-dAutoFilterGrayImages=false -dColorImageFilter=/FlateEncode \  
-dGrayImageFilter=/FlateEncode -dModolImageFilter=/FlateEncode ... “
```

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