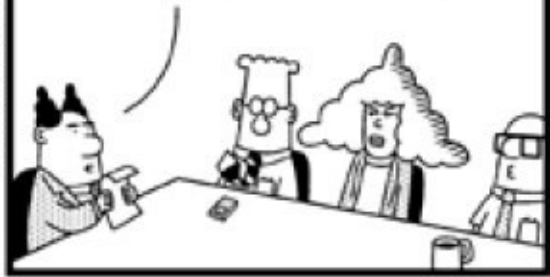


About your report

... And thoughts on IEEE Style Guide

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STARTING TODAY,
ALL PASSWORDS MUST
CONTAIN LETTERS,
NUMBERS, DOODLES,
SIGN LANGUAGE AND
SQUIRREL NOISES.



What is a style guide?

- **Rules for how to write and format**
- **Published by an organization**
- **An aid to communication**
- **A pain in the neck**

But worth it.



Why Go Along with the Crowd?

- **Pick your battles**
- **Instant credibility**
- **More efficient**
- **Encourages group work**
- **Inconsistency is jarring!**

“If the documentation is only ever going to be written by one person, and read by the same group of people, that documentation does not require a style.”

–Stackexchange.com blog post 4/3/12

Where is the Style Guide?

IEEE Web Site Author Digital Tool Box

[http://www.ieee.org/documents/stylemanual.](http://www.ieee.org/documents/stylemanual)

Class Web Site


<http://www.ece.utah.edu/~kstevens/3991/3991>



IEEE Format Overview

- **2 columns**
- **Single spaced**
- **Justified margins**
- **Numbered primary headings, centered**
- **Lettered secondary headings, flush left**
- **Numbered figures and tables**
- **Times New Roman font**


IEEE paper contents

- **Title**
 - **Author (name and affiliation)**
 - **Abstract**
 - **Introduction**
 - **Body with figures and math**
 - **Conclusion**
 - **References**
- 


Title and Author

- **Substance, not suspense**
- **Capitalize important words**
- **Don't capitalize unimportant words**
(a, an, the, and, but, for, or, in, out, on)
- **Student affiliation is the University**
- **Look up format every time**

Abstract

- **Short and sweet (150 words or less)**
 - **Explains purpose**
 - **Presents findings**
 - **Details importance of research/subject**
 - **Special formatting—look it up**
- 


Introduction

- **Explains research topic**
 - **Provides context for topic**
 - **Explains practical application (“why”)**
 - **Communicates goals/purpose of paper**
- 


Body

- **Summarizes and evaluates research**
- **Chronological**
 - Previous approaches to problem
 - Your approach and methodology
 - Assessment and commentary on results
- **Includes data**
- **Uses headings and subheadings**
- **Fulfills goal/purpose outlined in intro**


Figures

- **Placed only in body of paper**
 - **Placed at top or bottom of columns, after mention in text**
 - **Each figure requires caption**
 - **Number sequentially**
 - **Minimum 2 figures required**
- 


Conclusion

- **Restates project goals**
 - **Summarizes results**
 - **Reexamines project objective**
 - **Analyzes unexpected findings**
 - **Explains significance of research results**
- 

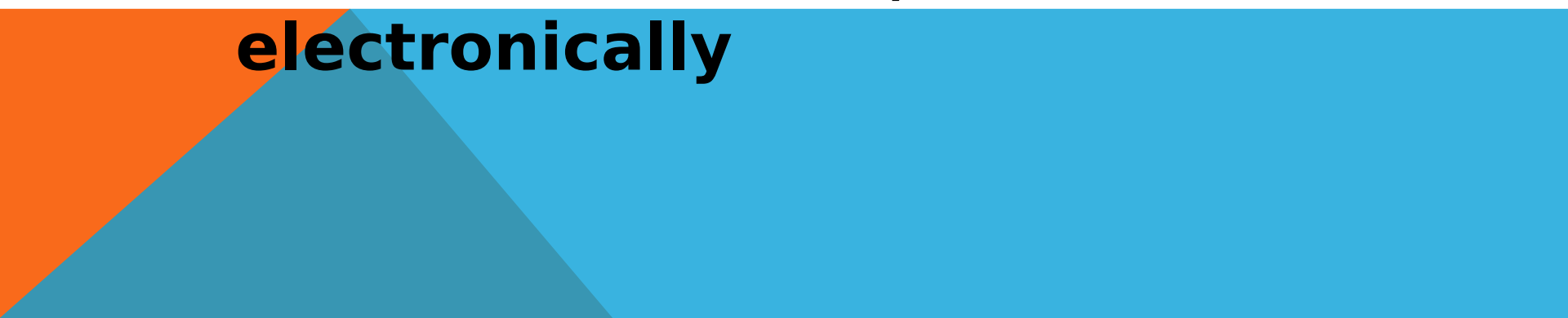
References

- **Minimum 5 required**
 - **Numbered with brackets**
 - **Listed at end of text**
 - **Left-aligned**
 - **Accurate**
 - **Look up format every time!**
- 

Your Writing Assignment

- **Any computer engineering topic**
 - **A survey of others' research, or a technical description**
 - **50% of your grade**
 - **Draft due Nov 6th**
 - **Final due Dec 4th**
- 

Requirements

- **4-6 pages**
 - **IEEE format**
 - **Minimum five citations**
 - **Minimum two figures**
 - **Explains technology clearly**
 - **Correct grammar, spelling, punctuation**
 - **LaTeX & PDF files, submitted electronically**
- 

Just do it!

“While style guidelines may seem onerous at times, following dictated guidelines . . . may make the difference between success and failure as a writer.”

-- wiseGEEK.com, retrieved 9/5/12

