

# CECS 524 Hello L<sup>A</sup>T<sub>E</sub>X

Welcome to the L<sup>A</sup>T<sub>E</sub>X world

Jucheol Moon  
Computer engineering and Computer Science  
California State University Long Beach  
Long Beach, USA  
jucheol.moon@csulb.edu

**Abstract**—This document is a model and instructions for L<sup>A</sup>T<sub>E</sub>X. This and the IEEEtran.cls file define the components of your paper [title, text, heads, etc.].

**Index Terms**—component, formatting, style, styling, insert

## I. INTRODUCTION

This document is a model and instructions for L<sup>A</sup>T<sub>E</sub>X.

## II. EASE OF USE

### A. Maintaining the Integrity of the Specifications

The IEEEtran class file is used to format your paper and style the text. All margins, column widths, line spaces, and text fonts are prescribed; please do not alter them. Please do not revise any of the current designations.

## III. STYLING GUIDE

### A. Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract.

### B. Lists

Bullet style list.

- item 1
- item 2
- item 3

Number style list.

- 1) item 1
- 2) item 2
- 3) item 3

### C. Equations

$$\sum_{n=0}^{\infty} \frac{a f^n}{n!} (x - a)^n \quad (1)$$

(1) is the famous Taylor series. Use “(1)”, not “Eq. (1)” or “equation (1)”, except at the beginning of a sentence: “Equation (1) is . . .”

Taylor series in a text would be  $\sum_{n=0}^{\infty} \frac{a f^n}{n!} (x - a)^n$ .

### D. Algorithms

```
i ← 10
if i ≥ 5 then
  i ← i − 1
else
  if i ≤ 3 then
    i ← i + 2
  end if
end if
```

### E. Source codes

```
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World");
    }
}
```

### F. Figures and Tables

a) *Positioning Figures and Tables:* Figure captions should be below the figures; table heads should appear above the tables. Insert figures and tables after they are cited in the text. Use the abbreviation “Fig. 1”.

TABLE I  
TABLE TYPE STYLES

Table Head	Table Column Head		
	Table column subhead	Subhead	Subhead



Fig. 1. Working example

### *G. References*

Please number citations consecutively within brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]—do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence.

#### REFERENCES

- [1] G. Eason, B. Noble, and I. N. Sneddon, “On certain integrals of Lipschitz-Hankel type involving products of Bessel functions,” *Phil. Trans. Roy. Soc. London*, vol. A247, pp. 529–551, April 1955.
- [2] J. Clerk Maxwell, *A Treatise on Electricity and Magnetism*, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
- [3] I. S. Jacobs and C. P. Bean, “Fine particles, thin films and exchange anisotropy,” in *Magnetism*, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350