Example Article Title

First Author\textsuperscript{1*} and Second Author\textsuperscript{2}

\textsuperscript{1}Address of first author
\textsuperscript{2}Address of second author

ORIGINAL

Abstract

Please provide an abstract of no more than 350 words. Your abstract should explain the main contributions of your article, and should not contain any material that is not included in the main text.

Keywords: Keyword1, Keyword2, Keyword3

Related ASEE Publications


1 Introduction

Thanks for using Overleaf to write your article. Your introduction goes here! Some examples of commonly used commands and features are listed below, to help you get started.

1.1 Primary Publication

Though not required many aseeccdoed articles have associations with one or more related ASEE publications. These publications, whether from the authorship list or not can be listed in the .bib file, then insert them after the \keywords{...} using the \relatedpubs command:

\relatedpubs{name of .bib file}{BibTeX keys of the publications}

If you are authoring and compiling this template on your own machine, you will need to run an extra step \bibtex relatedpubs to generate them in the final PDF. If you wish, you can use latexmk, arara or Make to automate this step.

2 Literature Review

2.1 Some \LaTeX Examples

Use section and subsection commands to organize your document. \LaTeX handles all the formatting and numbering automatically. Use \autoref and \label commands for cross-references, e.g. subsection 2.1, Equation 1, Figure 1, Table 1. You can still use the more common \ref, but this will only generate the (sub)section/table/figure/equation number: 2.

2.2 Figures and Tables

Use the table and tabular commands for basic tables — see Table 1, for example. Table 2 shows a larger example with table notes. You can upload a figure (JPEG, PNG or PDF) using the project menu. To include it in your document, use the \includegraphics command as in the code
for Figure 1 below. Captions are always justified and start from the left; don’t try to change the alignment.

If you prefer, you can place all your image files in a folder. Remember to include the folder path in your \includegraphics command, or use '\graphicspath' to specify the path to the folder in which all your image files can be found.

Figure 1. An example image of a logo.

Table 1. An example table.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candles</td>
<td>4</td>
</tr>
<tr>
<td>Fork handles</td>
<td>?</td>
</tr>
</tbody>
</table>

Table 2. An example table with tablenotes

<table>
<thead>
<tr>
<th>Course</th>
<th>TSC($n$)</th>
<th>Control ($n = 40$)</th>
<th>TP</th>
<th>$t$ (68)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science I</td>
<td>38</td>
<td>58(^1)</td>
<td>504.48</td>
<td>58 ms</td>
</tr>
<tr>
<td>Materials and Mechanics</td>
<td>38</td>
<td>58</td>
<td>504.48</td>
<td>58 ms</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>38</td>
<td>58</td>
<td>504.48</td>
<td>58 ms</td>
</tr>
<tr>
<td>Cybersecurity</td>
<td>38</td>
<td>58</td>
<td>504.48</td>
<td>58 ms</td>
</tr>
<tr>
<td>Electronics II(^2)</td>
<td>38</td>
<td>58</td>
<td>504.48</td>
<td>58 ms</td>
</tr>
<tr>
<td>Basket weaving</td>
<td>38</td>
<td>58</td>
<td>504.48</td>
<td>58 ms</td>
</tr>
</tbody>
</table>

\(^1\) here’s a note. \(^2\) and another.

2.3 Citations

LaTeX formats citations and references automatically using the bibliography records in your .bib file, which you can edit via the project menu. Use the \citet command for a text citation, like Borowczak and Vemuri (2019), and the \citep command for a citation in parentheses (Burrows et al., 2018).

2.4 Mathematics

LaTeX is great at typesetting mathematics. Let $X_1, X_2, \ldots, X_n$ be a sequence of independent and identically distributed random variables with $E[X_i] = \mu$ and $\text{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n} \sum_{i=1}^{n} X_i \quad (1)$$

denote their mean. Then as $n$ approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $N(0, \sigma^2)$.

2.5 Lists

You can make lists with automatic numbering...
1. Like this,
2. and like this.

…or bullet points …

• Like this,
• and like this.

…or with words and descriptions …

Word Definition
Concept Explanation
Idea Text

3 Methods and Context

Methods and protocols should be described in detail and well-established methods can be briefly described and appropriately cited. Provide details that enable readers to frame/situate this work - locations, participants demographics, details relevant to your particular study/implementation

4 Discussion

Authors should discuss the results and how they can be interpreted in perspective of previous studies and of the working hypotheses.

5 Conclusion

Be sure to include the implications of your work that deals with computing for (Engineering) Educators!

References
