Title

Anonymized for Review

ACM Subject Categories

- ACM Category 1

- ACM Category 2

- ACM Category 3

Keywords

Keyword 1, Keyword 2, Keyword 3

Abstract

The abstract should state briefly the purpose of the research, the principal results and major conclusions. Abstracts should not exceed 250 words. Abstracts are often presented and read as stand-alone text. Avoid the use of references and abbreviations.

1 Introduction

This document is a template that also describes the JSIME LATEXdocument class to submit a paper to the *Journal of Simulation Engineering* (JSimE) (Consortium for True Open Access in Modeling and Simulation 2017). The use of this template will enable the conversion of the manuscript from LATEXto the JSimE's HTML format.

This document is not intended to be a general introduction to LATEX, for this purpose we refer to Lamport (1994).

The JSIME document class was derived from the `article.cls`. Hence text, formulas, figures and tables are typed using the standard LATEXcommands. The standard sectioning commands are also used. The main differences to the standard article class are the presence of additional high-level structuring commands for the article header, and some other useful commands.

Please always give a `\label` where possible and use `\ref` for cross-referencing.

2 Format

JSimE strives to make research results more accessible, e.g., through semantic search, by using HTML as the primary online publication format. Compared to PDF, HTML allows improved text retrieval, analysis and indexing, in-document linking and annotations. Authors may use LATEX, DOCX or PDF format for their submission, but when accepted, the manuscript should be provided as HTML, possibly converted from LATEXor DOCX.

3 Language

Either American or British English is accepted, but not a mixture of them. For editors and reviewers to accurately assess the work presented in the manuscript, write your text in good quality English.

4 Article Header

4.1 Title

The title of the manuscript should be concise and informative, and formatted using the macro `\title`. An abbreviated title can be provided using the macro `\titleabbr`.

4.2 Authors and Affiliations

Each author name should be placed in separate lines and formatted using the macro `\author`. The author's affiliations should be specified using the macro `\affil`.

4.3 ACM Subject Categories

ACM Categories should be provided according to the 2012 ACM Computing Classification System[1] using the macro `\categories`.

4.4 Keywords

Between 3 and 5 keywords firmly established in the field should be provided for indexing purposes using the macro `\keywords`.

5 Tables

Submit tables as editable text and not as images. Provide tables within your manuscript file, ideally using a single table grid for each individual table. Tables should be cited in the manuscript (Table 1). Number tables consecutively in accordance with their appearance in the text using Arabic numerals and place any table notes below the table body. Provide a table caption explaining the components of the table. Identify any previously published material by giving the original source in the form of a reference at the end of the table caption.

Table 1: Example of table.

first	second	third
number	number	number
number	number	number

6 Mathematical Formulae

Equations should be numbered sequentially through the manuscript, but only those that are referenced in the text.

$$A \;=\; \int_0^\infty x\,dx \tag{1}$$

$$B \;=\; \sum_{i=1}^{j} a_i \tag{2}$$

$$C \;=\; \pi r^2 \tag{3}$$

Numbered equations should be referenced in the text (Eqs. (1), (2) and (3)).

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[1]http://dl.acm.org/ft_gateway.cfm?id=2371137&ftid=1290923&dwn=1

7 Illustration

- Provide all illustrations in place in your manuscript file and separately electronically
- Illustrations should be in the SVG (preferable) or PNG format
- Image size [18 cm wide (2 columns wide), 12 cm wide (1.5 columns wide) 9 cm wide (1 column wide)]
- Resolution: 300 dpi (minimum)
- If the image consists of several panels, combine these panels in a single image with the correct image size (see above), and label the panels as A, B, C...
- Pictures should be provided in JPEG format
- Embed the used fonts if the application provides that option [Font: Arial (preferred), Font size: >= 10pt (preferred)]
- Name your illustration files with "Fig" and their number, e.g., Fig1.svg
- Number the illustrations according to their sequence in the text
- Captions should be supplied separately, not attached to the illustration. A caption should comprise a brief title and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.
- If the illustration has already been published elsewhere, you must obtain permission from the copyright owner(s)
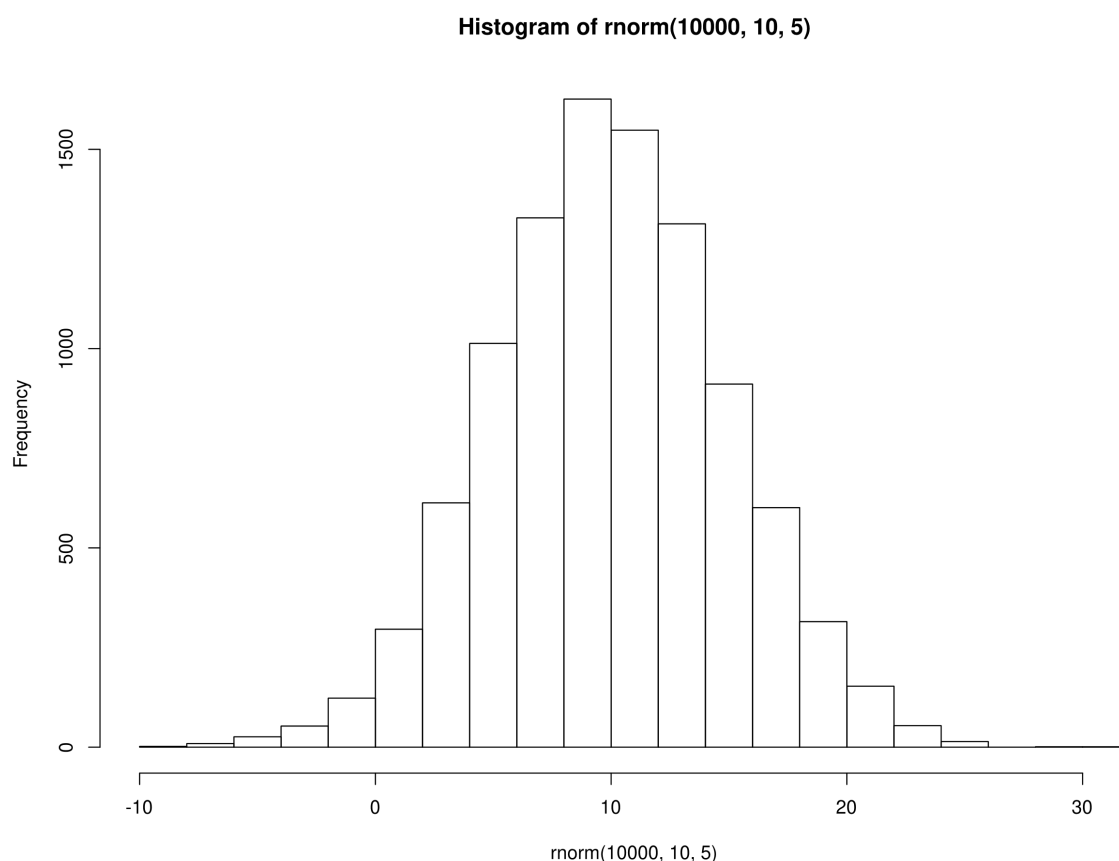

Figure 1: Example of a figure.

Illustrations should be referenced in the text (Fig. 1).

8 Code and Algorithms

labelsec:code Code snippets must be formatted using the macro `\texttt`. Pseudo-algorithms should be formatted using the packages `\algorithm` and `\algorithmic` and referenced in the text (Alg. 1).

Algorithm 1 Calculate $y = x^n$

Require: $n \geq 0 \vee x \neq 0$
Ensure: $y = x^n$
  $y \Leftarrow 1$
  if $n < 0$ **then**
    $X \Leftarrow 1/x$
    $N \Leftarrow -n$
  else
    $X \Leftarrow x$
    $N \Leftarrow n$
  end if
  while $N \neq 0$ **do**
    if N is even **then**
      $X \Leftarrow X \times X$
      $N \Leftarrow N/2$
    else {N is odd}
      $y \Leftarrow y \times X$
      $N \Leftarrow N - 1$
    end if
  end while

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9 Footnotes

Footnotes can be used to give additional information using the macro `\footnote`, which may include the citation of a reference included in the reference list. They should not consist solely of a reference citation, and they should never include the bibliographic details of a reference. They should also not contain any figures or tables. Footnotes are numbered consecutively.

10 References

References should use the American Psychological Association (APA) style[2]. A tutorial about this style can be found at the APA website[3]. Please always use `\citep` and `\citet` macros for bibliographic references. All references should be provided in a separate BibTeX file referenced by the macro `\bibliography` in the main text.

11 Acknowledgements

Acknowledgments should be placed in a separate section at the end of the manuscript before the references using the macro `\acknowledgements`. Do not include acknowledgements on the title page, as a footnote to the title or otherwise. The names of funding organizations should be written in full.

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[2]http://www.apastyle.org/.
[3]http://www.apastyle.org/learn/tutorials/basics-tutorial.aspx.

12 Trackchanges

The JSIME document class also provides some commands to track changes in the LATEXdocument. To enable, set the macro `\trackchanges` to `true` (i.e., `\trackchanges{true}`). You can use the macros `\add`, `\change`, and `\remove` to respectively indicate that you would like to add, change or remove parts of the text.

- Added text will appear in blue and the macro accepts one parameter as input `\add{text-to-add}`. For example, `\add{text-to-add}` generates text-to-add .
- Changed text will appear in red and blue, where the red indicates the text replaced by the blue. The macro accepts two parameters as input `\change{text-to-replace}{text-replace-by}`. For example, `\change{text-to-replace}{text-replace-by}` generates [text-to-replace]text-replace-by .
- Remove text will appear in red and the macro accepts one parameter as input `\remove{text-to-remove}`. For example, `\remove{text-to-remove}` generates text-to-remove .

To submit the manuscript for review, set the macro `\finalversion` to `false` to make the text anonymous (i.e., hide authors and affiliations, as well as the Acknowledgements section).

Acknowledgements

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References

Consortium for True Open Access in Modeling and Simulation (2017). Journal of Simulation Engineering. https://www.jsime.org.

Lamport, L. (1994). *LATEX: A document preparation system*. Addison-Wesley, Reading, MA, 2nd edition.