

**Title of the Paper/Extended Abstract: Centered, Title Case, 14 Point Times  
New Roman, on Second Line from the Top Margin,  
Not More Than Three Lines Long**

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**ABSTRACT**

Use 8.5"×11" paper size (US letter), with 1" margins on all sides. A required 200-250 word abstract starts on this line. Leave two blank lines before "ABSTRACT" and one after. Use 11 point Times New Roman here and single (11 point) spacing. The abstract is a very brief summary highlighting main accomplishments, what is new, and how it relates to the state-of-the-art. Both the *extended abstract* (2-4 pages, to be submitted for review) and the *full paper* (10 pages max, to be submitted for the proceedings) must include this abstract.

KEYWORDS: list of three to five key words

**1. INTRODUCTION**

The full paper as well as the extended abstract start here with two blank lines before first section title. Use 8.5"×11" paper size (US letter), with 1" margins on all sides. Use one blank line before and after each subsequent section's title. Most of the formatting is globally set by the specifications given in the `mc2023.cls` file. First-level section titles must be all uppercase and centered, and must be numbered in Arabic numerals as shown above. Unlike the Word template, the body text and section titles for this L<sup>A</sup>T<sub>E</sub>X template use 11-point font. We have found that the 11-point font in L<sup>A</sup>T<sub>E</sub>X more closely matched the 12-point font in Word. Introduce the topic of the work in this section.

The first line of a paragraph is not indented; rather add 6 pt spacing between paragraphs. This is done automatically in the L<sup>A</sup>T<sub>E</sub>X template.

There are four types of reference styles: journal paper [1], proceedings paper [2], book [3], and website [4]. References to websites are discouraged. It is the author's responsibility to check links

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\*Footnote, if necessary, in Times New Roman font and font size 10

in the PDF file of the paper. All references should be cited in the text in numerical order, in order of appearance as [5-7].

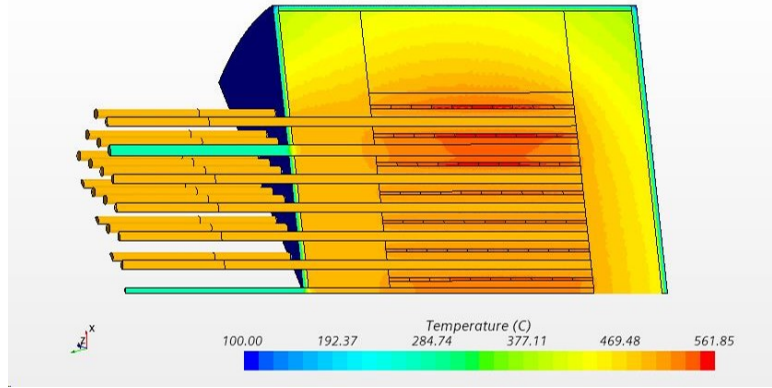
Submission of papers is done in two stages: i) an *extended abstract* of length between two and four pages is submitted by the deadline of November 1, 2022 for review; ii) upon acceptance, a *full paper* of maximum length of 10 pages is submitted by May 9th, 2023 for inclusion in the proceedings. Papers longer than 10 pages will be billed at \$100/page in excess of 10 pages. It is strongly recommended that the length of any final paper should not exceed 12 pages.

## 2. SECOND OR SUBSEQUENT MAJOR HEADING

This is Section 2. It is followed by a subsection, that is, 2.1. The style for subsection titles and all text in this template is defined in the `mc2023.cls` file. Make sure to avoid widow/orphan lines.

### 2.1. Subsection Title: First Character of Each Non-trivial Word is Uppercase

Double-space before and after secondary titles is automatic. Figures and tables should appear as close as possible to where they are first cited, e.g., Fig. 1, in the text. Figures are numbered in Arabic numerals, with the caption centered below the figure, in **boldface**. Triple-space before the figure, and after the figure caption.



**Figure 1: Multiphysics Heatmap of the Canadian Thermal Battery<sup>TM</sup>.**

When importing figures or any graphical image please verify two things:

1. Any number, text or symbol is in Times font and is not smaller than 10-point after reduction to the actual window in the paper,
2. That it can be translated into PDF.

Numbers up to ten should be spelled out. Numbers of 11 and higher are numerals.

Equations, such as Eq. (1), should be centered and sequentially numbered to the flush right of the formula.

$$\text{Speedup} = \frac{1}{\frac{f}{p} + (1 - f)}, \quad (1)$$

where  $f$  and  $p$  are some variables that need to be explained here. Note that the equation has a punctuation mark, and the continuation of a paragraph after an equation should not be indented. All paragraphs, as well as section or subsection headings, are separated by a 6 pt spacing.

### 2.1.1. Sub-subsection level and lower: only first character uppercase

See Table 1 for a sample table. The “`tabls`” package is recommended for improved row and column spacing. Notice the caption appears above the table by setting the `\caption` command immediately after the `\begin{table}`. Tables are numbered in Roman numerals, with the caption centered above the table, in **boldface**. Triple-space before and after the table.

**Table 1: Parallel Performance for the Sample Problem.**

| Number of Processors | Wall-Clock Time (min) <sup>a</sup> | Speedup ( $T_s/T_p$ ) | Efficiency (%) |
|----------------------|------------------------------------|-----------------------|----------------|
| 1                    | 100.0                              | —                     | —              |
| 2                    | 52.6                               | 1.9                   | 95.0           |

## 3. CONCLUSIONS

Present the summary and conclusions here.

## NOMENCLATURE

If variables are extensively used in the text, a Nomenclature section would be helpful to the readers.

## ACKNOWLEDGEMENTS

Acknowledge the help of colleagues and sources of funding, as appropriate.

**As an example:** The format for this template was adapted from the L<sup>A</sup>T<sub>E</sub>X template for the M&C 2021 conference, incorporating limited elements from the M&C 2019 template. The M&C 2023 organizing committee thanks the M&C 2021 and M&C 2019 technical committees for this support.

## REFERENCES

- [1] B. Author(s), “Title, using capitalization” *Journal Name in Italic*, **Volume in Bold**, pp. 34-89 (20xx).
- [2] C. D. Author(s), “Article Title,” *Proceedings of Meeting in Italic*, Location, Dates of Meeting, Vol. n, pp. 134-156 (20xx).
- [3] E. F. Author, *Book Title in Italic*, Publisher, City & Country (20xx).
- [4] “Canadian SMR Roadmap,”  
<https://smrroadmap.ca/wp-content/uploads/2018/12/Technology-WG.pdf> (2018).

## APPENDIX A. Sample Appendix 1

If necessary, include Appendices numbered in upper case alphabetical order. This is APPENDIX A.