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NEW ROMAN, ON SECOND LINE FROM THE TOP MARGIN, NOT  
MORE THAN 3 LINES LONG**

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**ABSTRACT**

Use 8.5×11 paper size, 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 spacing. The abstract is a very brief summary highlighting main accomplishments, what is new, and how it relates to the state-of-the-art.

KEYWORDS: list of three to five key words

**1. INTRODUCTION**

Paper starts here with two blank lines before first section title. Use 8.5×11 paper size, with 1” margins on all sides. Use one blank line before and after each subsequent sections title. Most of the formatting is globally set by the specifications given in the *mandc2019.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 your work in this section.

The first line of a paragraph is not indented; rather add one blank line between paragraphs. This is done automatically. If you are a L<sup>A</sup>T<sub>E</sub>X expert you can likely define the established format characteristics in a more elegant manner than what is done here. This is perfectly fine, so long as the established paper format/appearance is maintained. This template is merely to assist with maintaining uniformity in paper appearance.

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

There are four types of reference styles: journal paper[?], proceedings paper[?], book[?], and website[?]. References to websites are discouraged, but acceptable if absolutely necessary. It is the authors responsibility to check links in the PDF file of your paper. All references should be cited in the text in numerical order, in order of appearance as [5-7].

The page limit for M&C 2019 papers is 12 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 ???. It is followed by a subsection, that is, ??. The style for subsection titles and all text in this template is defined in the *mandc2019.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. ??, in the text. Figures are numbered in Arabic numerals, with the caption centered below the figure, in **boldface**. For a better arrangement it is strongly recommended that all the figures must be placed in the “Figures” folder. Triple-space before the figure, and after the figure caption.

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

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

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

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

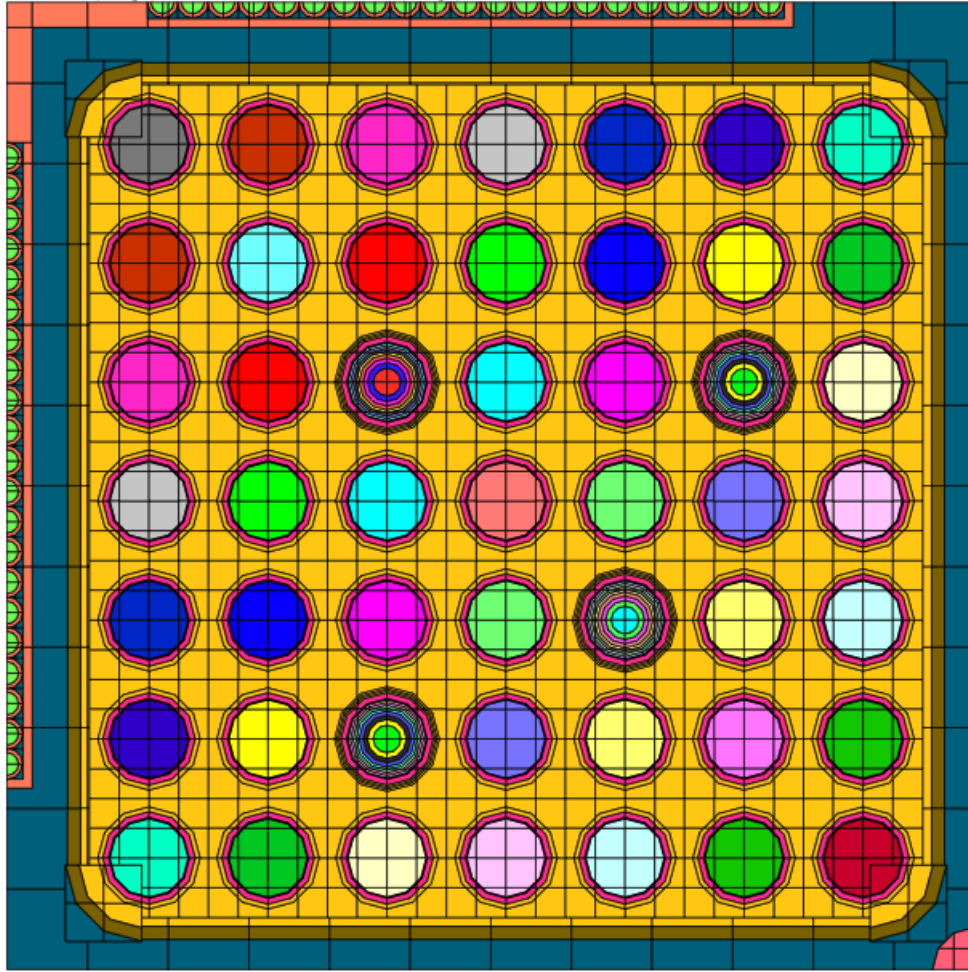
The continuation of a paragraph after an equation should not be indented. All paragraphs, as well as section or subsection headings, are separated by just one single empty line.

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

See Table ?? 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.

## 3. CONCLUSIONS

Present your summary and conclusions here.



**Figure 1: SCALE/TRITON-NEWT Model of BWR Assembly in Order to Show and Example of a Figure and a Multi-line Caption**

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

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

## 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  $\text{\LaTeX}$  template for the PHYSOR-2018 conference posted and available on the Internet and most of the  $\text{\LaTeX}$  format definitions contained in this were already defined. The M&C 2019 organizing committee deeply thank the PHYSOR-2018 technical committee for this great support.

## REFERENCES

- [1] B. Author(s), “Title,” *Journal Name in Italic*, **Volume in Bold**, pp. 34-89 (19xx).
- [2] C. D. Author(s), “Article Title,” *Proceedings of Meeting in Italic*, Location, Dates of Meeting, Vol. n, pp. 134-156 (19xx).
- [3] E. F. Author, *Book Title in Italic*, Publisher, City & Country (19xx).
- [4] “Spallation Neutron Source: The next-generation neutron-scattering facility in the United States,” [http://www.sns.gov/documentation/sns\\\_brochure.pdf](http://www.sns.gov/documentation/sns\_brochure.pdf) (2002).

## APPENDIX A. Sample Appendix 1

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