



# Template for Publishing Papers in the Applied Science and Engineering Progress Preprints

Suchart Siengchin\*

Department of Mechanical and Process Engineering, Sirindhorn International Thai-German Graduate School of Engineering, King Mongkut's University of Technology North Bangkok, Bangkok, Thailand

Lothar Kroll

Department of Lightweight Structures and Polymer Technology, Faculty of Mechanical Engineering, Technical University of Chemnitz, Chemnitz, Germany

\* Corresponding author. E-mail: suchart.s@tggs.kmutnb.ac.th DOI: 10.14416/j.asep.2017.03.xxx  
Received: 1 February 2017; Revised: 20 February 2017; Accepted: 1 March 2017; Published online: 15 March 2017

## Abstract

The instructions below are specifically directed at authors who wish to submit a manuscript to the Committee of the King Mongkut's University of Technology North Bangkok, Applied Science and Engineering Progress. They explain how to prepare your manuscript so that its appearance is clear and consistent with the other papers in the preprints. They include guidance on layout, illustrations, text style and references. They are presented exactly as your paper should appear. It is highly advised that you use this template to prepare your paper in Microsoft Word. Please send any comments or questions by e-mail to the secretariat of the Applied Science and Engineering Progress.

**Keywords:** Applied Science and Engineering Progress, Instructions, Paper, ASEP, TCI

## 1 Introduction

The goal of this template is to achieve uniformity in the papers appearing in the conference preprints. The typography, layout and style used in these instructions are exactly the same as those you should use when preparing your paper. Please bear in mind that submission of an electronic copy in MS Word and Portable Document Format (PDF) format are required. Use Adobe Acrobat/Distiller version 7 to create your PDF file. Use a PC, not a Macintosh or a UNIX workstation. Please give special attention to the naming of your PDF file: The name must consist of the surname of the author e.g. Butdee.doc and Butdee.pdf. Your paper is limited to a maximum of twelve printed pages.

The official language of Applied Science and Engineering Progress is English. If English is not your mother tongue, make sure that the manuscript is edited by a competent editor.

## 2 Identifying Your Paper

### 2.1 Paper title and authors

In order to follow the style of this Journal, the paper's title, authors' names and affiliations should follow the format exactly as shown above.

Do not print page numbers. The publisher will add cover pages, the table of contents, etc. Consecutive page numbers will be added by the publisher.

## 3 Setting up Your Paper

### 3.1 Text area

Your manuscript must fit within the required margins. The paper size is 18.4 cm in width and 26 cm in height or use this template. Set your margins for the pages at 25 mm for the top and 20 mm for the bottom margins, 10 mm for left, and 10 mm for right. The first page and all uneven pages should have a right hand layout: right margin at 10 mm and left margin at 10 mm. The even pages should have a left hand layout: left margin at 10 mm and right margin at 10 mm. Centering of text sections refers to those margins.

#### 3.1.1 Title

Put the title directly under the top margin. The title should be in 12-point Times New Roman Bold with left-justification. Use capitals as indicated in the title of this example. In the Title, the first letter of the first word and of all major words must be capitalized, major words must start with a capital. The authors' names should be



typed in 10-point Times New Roman and the authors' affiliations must be typed in 10-point Times New Roman.

### 3.1.2 Abstract

Your abstract should not exceed 200 words. It should provide a brief summary of the contents of your paper. The body of the abstract should be typed in 10-point Times New Roman. The abstract should state briefly the purpose of the research, the principal results and major conclusions. References should be avoided. Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

### 3.1.3 Keywords

Leave one line between the abstract and the keywords. The Keywords should be typed in 10-point Times New Roman and each keyword must be separated with a comma. The author must provide five to seven keywords.

## 3.2 Font and line spacing

Papers must be prepared on MS-Word running on Microsoft Windows with 10 points, Times New Roman. The same font can be used in figures. Paragraph lines should be single-spaced. The usage of other fonts will be a reason for rejection.

## 3.3 Headings and heading spacing

We recommend using no more than three levels of headings, as indicated in this instruction as Heading 1, Heading 2, and Heading 3. For example,

### 1 Heading 1

#### 1.1 Heading 2

##### 1.1.1 Heading 3

**Avoid loose Headings to appear at the page bottom.**

## 4 Text

### 4.1 Terminology and symbols

The nomenclature must be appeared at the end of the paper (if included). The SI units are highly recommended for this journal.

### 4.2 Style

The following list summarizes several important points of style to keep in mind when preparing your paper for the Applied Science and Engineering Progress.

- Use bold for emphasis, but keep its use to a minimum. Avoid using underlining in your paper.
- Use a consistent spelling style throughout the paper (US or UK).
- Use single quotes.
- Use %, not percent.
- Do not use ampersands (&) except as part of the official name of an organization or company.
- Keep hyphenation to a minimum. Do not hyphenate 'coordinate' or non words, such as 'nonlinear'.
- Do not end headings with full stops.
- Do not start headings at the foot of a column or with only one line of text below; put the heading on the next column or page.
- Leave a single space after all punctuation marks.

### 4.3 Mathematic text and equations

Equations should be justified to the left margin and numbered at the right margin. Leave a single space before and after the equation, as indicated in the Equation (1) below,

$$\frac{\partial U}{\partial t} + \frac{\partial E}{\partial x} + \frac{\partial F}{\partial y} = Q \quad (1)$$

Use the 10 points, Times New Roman for the equation, e.g. italics for variables ( $u$ ), bold for vectors (without arrows) ( $\mathbf{u}$ ), bold italic for variable vectors ( $\mathbf{u}$ ), and capital bold italic ( $\mathbf{U}$ ) for variable matrices. Use  $i$ th,  $j$ th,  $n$ th, not  $i^{\text{th}}$ ,  $j^{\text{th}}$ ,  $n^{\text{th}}$ . The order of brackets should be  $\{[( )]\}$ , except where brackets have special significance.

### 4.4 Lists

Single space list items with no extra space between the lines needed. Each item should be marked with a solid bullet '•' or with an Arabic numeral followed by a full stop, e.g. 1., 2., 3., and so on. Be consistent in marking list items.

Refer to Section 4.2 for an example of a bulleted list. The following is an example of a numbered list:

1. For complete or near complete sentences, begin with a capital letter and end with a full stop.

2. For short phrases, start with lower case letters and end with semicolons.
3. Do not capitalize or punctuate single items.
4. Use a colon to introduce the list.

## 5 Figures and Tables

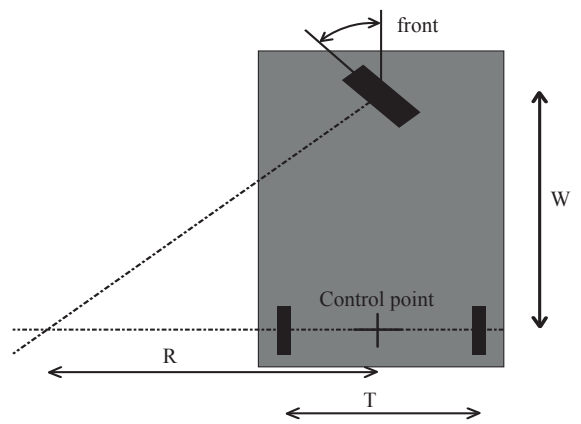
### 5.1 General appearance

Make sure that all figures, tables, graphs and line drawings are clear, sharp and of highest quality for publication. Please submit each illustration as a separated file. Lines weights range from 0.2 points to 1.5 points.

Diagrams, graphics, and preferred photographs should be prepared in gray scale. The characters or numbers in the figures and/or tables must be typed as 10-point Times New Roman (8-point minimum). If the characters of number in a figure are smaller than the aforementioned font, extend the figure across two columns. Your figures could be created by Microsoft Office. When those artworks are finalized, please “save as” or convert your images to one of the following formats:

- EPS (or PDF): Vector drawings, embed all used fonts.
- TIFF (or JPEG): Color or grayscale photographs (half-tones), keep to a minimum of 300 dpi.
- TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.
- TIFF (or JPEG): Combinations bitmapped line/half-tone (color or grayscale), keep to a minimum of 500 dpi.

For color artwork, please make sure that files are in TIFF, JPEG, EPS, PDF or Microsoft Office formats with the correct resolution. For color reproduction in print, author will receive information regarding the costs from Applied Science and Engineering Progress after receipt of your accepted article. Please indicate your preference for color: in print or online only.



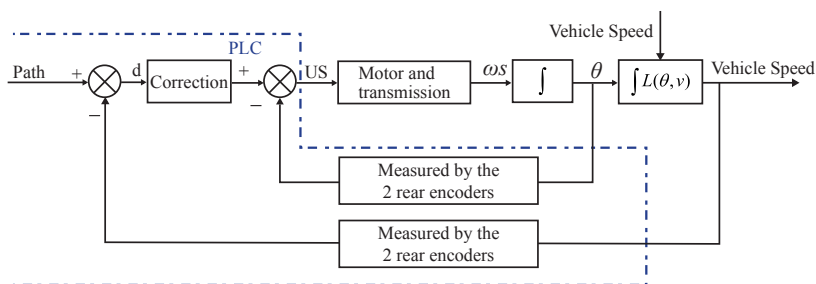
**Figure 1:** Example of picture scanned into the paper for one column.

### 5.2 Numbering, captions and positioning

The figure and table numbering must be provided in consecutive order, e.g. Figure 1, Figure 2, Figure 3 or Table 1, Table 2, Table 3. The caption of a figure must be placed under the figure itself. And the caption of a table must be placed above the table. Use (a), (b), (c) to distinguish individual subjects in a composite figure. For example, Figure 1 (or Table 1) must be used for referencing in the text. Make sure that the size of figures and tables must be fitted to the page margins, and do not wrap the text around the figures.

**Table 1:** Example of table centred across two columns

	Heading 1	Heading 2	Heading 3
Font	Times New Roman 10 points	Times New Roman 10 points	Times New Roman 10 points
Style	Bold All Caps	<i>Bold Italic</i>	<i>Italic</i>
Numbering	<b>1, 2, 3, ...</b>	<i>1.1, 1.2, 1.3, ...</i>	<i>1.1.1, 1.1.2, ...</i>
Alignment	left	left	left
Spacing	Single-spaced, before and after	Single-spaced, before and after	Single-spaced, before and after



**Figure 2:** Example of picture scanned into the paper across two columns.



## 6 Conclusions

This paper explains the authors' instruction for preparing a manuscript for submission to the Applied Science and Engineering Progress.

## Acknowledgments

We extend our sincere thanks to all who contributed to preparing the instructions. List here your funding agency and those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

## References

The relevant works must be cited and listed at the end of the paper. Their numbers must be run chronologically in the order of citation appearance. The appropriate references should be cited where they are necessary. Unpublished data and information from personal contact are not allowed to be used as references. To cite the references in the text body of the paper, use the number in square bracket, e.g. [1], [2], [1]–[3]. The reference list should be set in the same typeface as the body of the text. Each citation should be followed by a full stop. Examples of references to journal articles and papers, technical reports, proceedings, and books are illustrated as follows:

### Books:

- [1] G. O. Young, "Synthetic structure of industrial plastics," in *Plastics*, 2nd ed., vol. 3, J. Peters,

Ed. New York: McGraw-Hill, 1964, pp. 15–64.

- [2] W. K. Chen, *Linear Networks and Systems*. Belmont, CA: Wadsworth, 1993, pp. 123–135.

### Periodicals:

- [3] J. U. Duncombe, "Infrared navigation—Part I: An assessment of feasibility," *IEEE Trans. Electron Devices*, vol. ED-11, pp. 34–39, Jan. 1959.
- [4] E. P. Wigner, "Theory of traveling-wave optical laser," *Phys. Rev.*, vol. 134, pp. A635–A646, Dec. 1965.

### Articles from Conference Proceedings:

- [5] D. B. Payne and J. R. Stern, "Wavelength-switched passively coupled single-mode optical network," in *Proceeding IOOC-ECOC*, 1985, pp. 585–590.

### Standards/Patents:

- [6] G. Brandli and M. Dick, "Alternating current fed power supply," U.S. Patent 4 084 217, Nov. 4, 1978.

### Technical Reports:

- [7] E. E. Reber, R. L. Mitchell, and C. J. Carter, "Oxygen absorption in the Earth's atmosphere," Aerospace Corp., Los Angeles, CA, Tech. Rep. TR-0200 (4230-46)-3, Nov. 1968.

### Electronic Sources

#### Books:

- [8] J. Jones. (1991, May 10). *Networks*. (2nd ed.) [Online]. Available: <http://www.atm.com>.

#### Reports and Handbooks:

- [9] S.L. Talleen. (1996, Apr.). *The Intranet Architecture: Managing information in the new paradigm*. Amdahl Corp., CA. [Online]. Available: <http://www.amdahl.com/doc/products/bsg/intra/infra/html>.