

# PREPARATION OF MANUSCRIPT FOR THE PROCEEDINGS OF THE JSME INTERNATIONAL CONFERENCE ON MOTION AND POWER TRANSMISSIONS – AUTHORS' INSTRUCTIONS –

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*Do not forget to mark the  
notation of Speaker.*

**Keywords:** Motion, Power Transmission, MPT2017-Kyoto, JSME, Layout, Sample Format

## ABSTRACT

The authors are requested to follow these instructions in preparing their manuscripts for the Proceedings of the JSME International Conference on Motion and Power Transmissions, MPT2017-Kyoto. The authors may use this template to prepare their manuscript. The manuscript should be submitted as an *Adobe Acrobat (PDF) file*, and it is directly used for the publication of both electronic and bound conference proceedings. This document is a guideline of the manuscripts and doubles as a template for *Microsoft WORD*.

The abstract of the paper, about 150 words in length, should appear in the first paragraph below the keywords with the main heading **ABSTRACT**.

## INTRODUCTION

The manuscript should be in A4 size (210 x 297 mm) with 25 mm margins all around. Text should be within the dimensions shown on these pages; each column width should be 75 mm with 10 mm space between columns. Total width should be 160 mm. Use 9 pt Times New Roman font with 1.0 line spacing for body text. The manuscript should be prepared in English in **six (6) pages or less** including figures, tables, references, and appendices. **Papers exceeding 6 pages are subjected to extra charges.** The manuscript whose quality is not sufficient will be omitted from the final program of conference and the proceedings.

Please do not include the page numbers in the header and footer region in the manuscript. Actual page numbers will be inserted by the JSME.

## MANUSCRIPT ELEMENTS

The manuscript should have the following items in order:

- (1) The title of the paper, the name(s) of the author(s), affiliation(s), address(es) and e-mail address(es)
- (2) Keywords – The keywords should be no more than six (6).
- (3) Abstract – The abstract should be about 150 words.
- (4) Main Body – See detailed instructions which follow.
- (5) Nomenclature (if necessary) – See detailed instructions which follow.
- (6) Acknowledgment (if necessary)
- (7) References – See detailed instructions which follow.
- (8) Appendices (if necessary)

## TITLE BLOCK

Enter the title of the paper, the name(s) of the author(s), affiliation(s) and address(es) in the upper space of the first page.

The title of the paper should appear in 12-point **bold CAPITAL LETTERS** and centered at the top of the first page with one line of space above and below.

The name(s) of the author(s), with the family name in **CAPITAL LETTERS** is typed using the nine (9)-point typeface below the title. Mark the notation "\*" at the top of the name of the author who presents the paper at the conference. The affiliation(s) and the address(es) appear below the author's name and they are typed in *italic*. All of them are centered.

## KEYWORDS

The list of keywords (no more than six (6)) should appear below the title block with one line of space above and two lines space below.

## TYPING

The main body should be typed in the two-column format defined by the following guidelines. The margins and text layout are as follows:

COLUMNS:	
Width	75mm
Gap between columns	10mm
MARGINS:	
Top	25mm
Bottom	25mm
Left-hand	25mm
Right-hand	25mm

## HEADINGS

There are three types of headings. They should be typed as follows:

### MAIN HEADINGS

Main headings should be typed in **bold CAPITAL LETTERS** flush to the left on a separate line with one line of space above and below.

SAMPLE  
FORMAT

### Subheadings

Subheadings should be underlined, typed in **bold** lower case letters with the Initial Letter of each word capitalized, placed flush left on a separate line with one line of space above, and the text should be indented.

**Sub-subheadings** Sub-subheadings should also be indented, underlined, typed in **bold** lower case letters with the Initial Letter of each word capitalized, followed by a space and the beginning of the text. Leave one line of space above the sub-subheading.

### FOOTNOTES <sup>1</sup>

Footnotes should be placed at the bottom of the column to which they refer. They are designated by superscript Arabic numerals and are numbered consecutively starting with 1 (one).

### EQUATIONS

Equations should be centered in the column. They should be numbered consecutively, using Arabic numerals enclosed in parentheses and positioned flush right along the final baseline of the equation as follows:

$$\frac{1}{R} = \frac{\cos^2 \theta_z}{R_1} + \frac{\sin^2 \theta_z}{R_2}$$

One line of space should be left between equations and the main text. Long equations can be typed across the two columns; in this case, pay attention to the continuity of the text.

### ILLUSTRATIONS

Figures, tables and photos may be in color, but note that the printed proceedings will be in black and white so multiple data sets should be clearly identified with this in mind.

Figures and Tables are labeled in numerical order respectively and placed within the text. The figure caption should appear centered below the figure. Leave one line of space between the caption and the figure. The titles of tables are centered above the table. Each illustration should have two lines of space above and below.

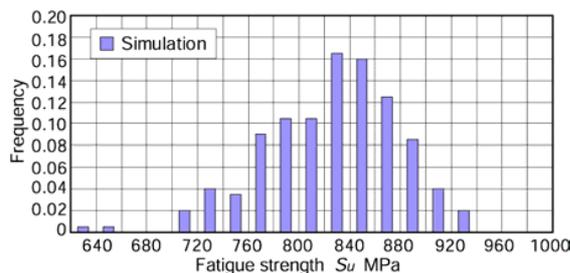


Fig.1 Example of figure

Table1 Example of table

	Pinion	Gear
Normal module	5.5	
Normal pressure angle (deg)	20.0	

<sup>1</sup> This shows an example of footnote.

Helix angle	(deg)	23.5(R)	23.5(L)
Number of teeth		21	31
Tip diameter	(mm)	136.95	196.92
Pitch diameter	(mm)	125.946	185.920

### UNITS

Units used in the manuscript should be expressed in Standard International Unit (SI).

### NOMENCLATURE

Type the nomenclature list with the main heading **NOMENCLATURE** at the end of the text before references. The nomenclature list should be in alphabetical order, followed by any Greek Symbols. Subscripts and superscripts should follow Greek symbols.

### REFERENCES

References should be numbered consecutively throughout the paper and be listed at the end of the paper with the main heading **REFERENCES**. When referring to them in the text, type the corresponding number in square brackets as [1] or [1-4]. In listing the references, follow the style for each kind of publications as shown below.

(Example 1) Transactions, Proceedings or Journal Articles:

- Shigeki MATSUMURA, Naoki Abiko, Ryo Koitabashi, Takeshi Iino, Haruo HOUJOH, "An experimental investigation of a self-vacuating action of a gear pair for the purpose of reducing windage loss (Interior vacuum level, power losses, and temperature rise)", *Bulletin of JSME, Transaction of the JSME*, 81, 825 (2015), Paper No. 14-00701 [DOI: 10.1299/transjsme.14-00701].
- Ichiro Moriwaki, Akio Ueda, Morimasa Nakamura, Koki Yoneda, Daisuke Iba, "New Japanese Standard JIS B 1759 on load capacity of plastic gears", *Proceedings of International Gear Conference 2014*, (2014) 1172-1178.

(Example 2) Books:

- Darle W. Dudley, *Gear Handbook, the Design, Manufacture, and Application of Gears*, First Edition, *McGraw-Hill* (1962) 5.1-5.37.

(Example 3) Reports:

- Wataru Asoh and Hirotarou Yamasaki, "Welcome to Fukuoka, a very energetic city in Japan" Report AF-11, Dept. of Gear Tec., Transmission Univ., (2001).

### PORTABLE DOCUMENT FORMAT (PDF)

The authors are requested to make a PDF file after they have created the manuscript using their favorite word processing software. The conversion to PDF can be accomplished in several ways. Use the Distiller application included in the complete Adobe Acrobat package. All PDF files should be created with Acrobat Distiller 10.0 or later with preferences compatible with Acrobat 10.0. When you first open Distiller, select "Press Quality" on the Default Settings options.

### Embedding fonts

All fonts need to be embedded in the document. We recommend the use of Adobe Acrobat 10.0 or later, as the

newer version(s) automatically embed all fonts in a document. Using an earlier version may result in flawed conversions of math and special characters if fonts are not embedded properly.

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