

# Instructions to authors for paper preparation – LIJMR template for authors (Style: Calibri, 18 pt, Bold)

**Surname, First name initials<sup>a,\*</sup>, Surname, First name initials<sup>b</sup>** (Style: Calibri, 11 pt, Bold)

<sup>a</sup>Address of author institution (Style: Calibri, 9 pt, Normal)

<sup>b</sup>Address of co-author institution (Style: Calibri, 9 pt, Normal)

## ABSTRACT

The main goal of the journal is to present original, high quality, theoretical and application-oriented research developments in all areas of production engineering and production management to a broad audience of academics and practitioners. In order to bridge the gap between theory and practice, applications based on advanced theory and case studies are particularly welcome. General approaches, formalisms, algorithms or techniques should be illustrated with significant applications that demonstrate their applicability to real-world problems. Please note the APEM journal is not intended especially for studying problems in the finance, economics, business, and bank sectors even though the methodology in the paper is quality/project management oriented. Therefore, the papers should include a substantial level of engineering issues in the field of manufacturing engineering. Articles submitted to APEM journal should be original and unpublished contributions and should not be under consideration for any other publication at the same time. Responsibility for the contents of the paper rests upon the authors and not upon the editors or the publisher.

(Style: Cambria, 9 pt, Normal)

*Keywords:*

Hierarchical list of 3–5 keywords (Style: Cambria, 9 pt, Normal)

## 1. Introduction (Style: Calibri, 14 pt, Bold)

### 1.1 General (Style: Calibri, 11 pt, Bold)

Please read the following instructions carefully. Formatting your paper correctly saves a great deal of editing time, which in turn ensures publication of papers in a timely manner.

Please note that British English should be used. The authors must ensure that the paper is complete, grammatically correct and without spelling or typographical errors. Manuscript should be prepared in *Microsoft Word 2010* or higher version. *Word .docx* format is required.

Please do not change the header and the footer of this template. Please do not use automatic numbering for sections, subsections, figures, and tables.

### 1.2 Paper format and layout

Paper size A4 (210 mm × 297 mm) is required with 25 mm for the left, right, top, and bottom margins. Text should be typed in one column and single-spaced.

### 1.3 Structure and length of the paper

Papers should not exceed 20 pages, including title of the paper, names of authors and affiliations, abstract, keywords, body of the paper including introduction, methods used, experimental work, results and discussion, conclusion, acknowledgements (if any), references, and appendices (if any). Review articles can be up to 24 pages. The introduction section of the paper should explain the nature of the problem, previous work, purpose, and the contribution of the paper. A conclusion section should indicate clearly the achievements, advantages, limitations, possible applications, and future work. Figures and tables should be included within the paper.

## 2. Title of the paper, author names and affiliations

## **2.1 Title of the paper**

It should adequately describe the content of the paper. Please limit the title to a maximum length of 15 words. Use *Calibri font*, 18 pt, boldfaced and left-aligned. Please capitalise only the first word in the title. The first line of the paper title starts 6.5 cm from the top of the paper margin.

## **2.2 Author names**

A 12 pt of vertical space is required between the title of the paper and the author names. Use *Calibri font*, 11 pt, boldfaced and left-aligned. Last name (i.e., surname) should be spelled out in full and succeeded by author initial of first name. Type the names as Darwin, C., Einstein, A., Planck, M. etc. Here Darwin, Einstein or Planck is the last name.

## **2.3 Author affiliations**

A 6 pt of vertical space is required between the author names and author affiliations. Use *Calibri font*, 9 pt, left-aligned.

## **3. Abstract, keywords and corresponding author details**

The abstract, keywords and corresponding author details should be typed into a predefined table. Two blank lines of 11 pt are between the author affiliations and the table. The abstract, keywords and corresponding author details should be in *Cambria font*, 9 pt.

### **3.1 Abstract**

The abstract is an abbreviated self-explanatory presentation of the contents of the paper and should be between 150 and 250 words. The abstract should contain the purpose of the paper, methods used, main results, importance for science, and possible practical implications. References are not to be cited in the abstract nor mathematical equations presented.

### **3.2 Keywords**

The authors should provide a list of three to five keywords that clearly describe the subject matter of the paper. They should be ranked from general to specific terms.

### **3.3 Corresponding author details**

The corresponding author details (including his or her email address, author's last name and initials of the first name) should be given after keywords.

## **4. Body of the paper**

### **4.1 Headings and subheadings**

Two blank lines of 11 pt are required between the abstract table and first heading. Headings should be in *Calibri font*, 14 pt, boldfaced, left-aligned, started with introduction section and ended with reference section. Headings and subheadings must be short and clearly defined. Please capitalise only the first word in headings and subheadings. All headings from the introduction to conclusion are numbered sequentially using Arabic numerals 1., 2., 3. etc. Please do not use automatic numbering of headings and subheadings. Acknowledgments and reference section are not numbered.

Subheadings should be in *Calibri font*, 11 pt, boldfaced, left-aligned. Subheadings are numbered 1.1, 1.2, 1.3 etc. Please do not use more than two level-headings.

### **4.2 Body text**

Body text from the introduction to conclusion should be in *Cambria font*, 11 pt. Please use single column format, single line spacing, full justification, and automatic hyphenation. Abbreviations

can be used if necessary. First use of an abbreviation should be just after its complete name or description.

The first paragraph under each heading or subheading should be flush left. First lines of all subsequent paragraphs should have normal indents of 0.5 cm. Please do not leave an extra space between paragraphs.

#### 4.3 Physical quantities, units, and symbols

All the physical quantities and units of measurement in the paper must comply with The International System of Units (SI) and their abbreviations should be used. Symbols for physical quantities in equations and in the main text should be written in italics and must be consistent throughout the paper. Please do not use, e.g., 0.5mm, 5kg, 7%, 30 seconds, 15 litres. Instead, please use 0.5 mm, 5 kg, 7 %, 30 s, 15 l.

#### 4.4 Mathematical equations

Mathematical equations and expressions must be set in Microsoft Word Equation Editor and written in *Cambria Math font*. They are centred, numbered consecutively with Arabic numerals at the right margin of the text, and referred to in the text as Eq. 1, Eq. 2, Eq. 3 etc. Please write equations in specially prepared table as below.

$$\rho C_p \left( \frac{\partial T}{\partial t} + u \cdot \nabla T \right) = \nabla (k \nabla T) + \eta \dot{\gamma}^2 \quad (1)$$

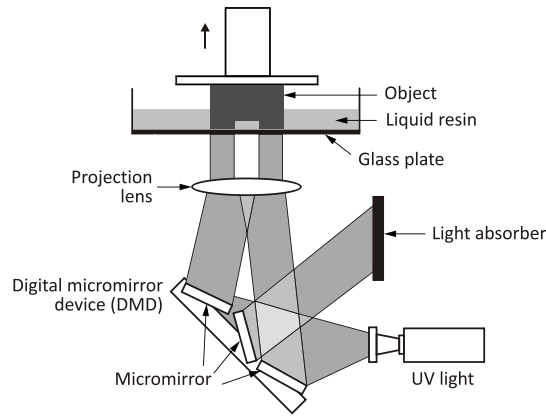
$$\eta(T, \dot{\gamma}) = \frac{\eta_0(T)}{1 + (\eta_0 \dot{\gamma} / \tau^*)^{1-n}} \quad (2)$$

$$A = \frac{1}{2} \left| \sum_{i=1}^{n-2} \left( \frac{(p_{i+1} - p_1) \times (p_{i+2} - p_1)}{n!} \right) \right| \quad (3)$$

#### 4.5 Figures and tables

Electronic versions of figures and tables in minimum resolutions of 300 dpi must be supplied. Both line drawings and photographs are referred to as figures. Papers with a poor quality of figures and tables will be returned to the authors. Use *Cambria font*, 9 pt, for all table entries including column and row names. Please do not use too large a font in figures; use Calibri font, 9 pt, if possible. Make sure that line weights, fonts, and shading are consistent throughout the paper. Figures and tables are to be numbered consecutively with Arabic numerals in the order in which they are referred to in the text, and have brief self-explanatory captions (e.g., **Fig. 1** A schematic view of the Perfactory manufacturing process, **Table 1** Experimental and ANN predicted values for flank wear and surface roughness). Tables are numbered independently of any figures, and vice versa. Use Cambria font, 9 pt, for figures and tables captions. Figures and tables should be centred as well as their captions. Put figures and tables as close as possible to their mention in the text, preferable at the top or bottom of a page.

Figure captions appear below the figures. When referring to a figure in the body of the text, the abbreviation "Fig." with a proper number is used. Table captions appear above the table. When referring to a table in the text, the word "Table" with the proper number is used. Please note that each table, irrespective of the number of columns, must have exactly the same width as is line width of the body text.



**Fig. 1** A schematic view of the Perfactory manufacturing process

**Table 1** Experimental and ANN predicted values for flank wear and surface roughness

| Trial No. | Flank wear, mm |               | Surface roughness, $\mu\text{m}$ |               |
|-----------|----------------|---------------|----------------------------------|---------------|
|           | Experimental   | ANN predicted | Experimental                     | ANN predicted |
| 3         | 0.479          | 0.659         | 0.917                            | 0.735         |
| 4         | 0.085          | 0.237         | 1.763                            | 1.946         |
| 8         | 0.189          | 0.296         | 1.263                            | 1.466         |
| 12        | 0.686          | 0.502         | 1.956                            | 2.076         |
| 15        | 1.219          | 1.329         | 2.21                             | 2.011         |
| 18        | 0.306          | 0.465         | 1.482                            | 1.341         |

## 5. Conclusion

Paper submission is free of charge. A submission must include the corresponding author's complete name, affiliation, address, phone and fax numbers, and e-mail address

## Acknowledgement

An acknowledgement section may be presented after the conclusion, if desired. This heading is not assigned a number. Use Cambria font of 9 pt size.

## Reference:

All references in your manuscript must be formatted using one of the recognised Harvard styles

References to publications in your text should be written as follows:

- Single author: (Adams, 2006)
- Two authors: (Adams and Brown, 2006)
- Three or more authors: (Adams *et al.*, 2006) Please note, '*et al.*' should always be written in italics.

Surname, initials (year), "title of article", *journal name*, volume issue, page numbers.

e.g. Capizzi, M.T. and Ferguson, R. (2005), "Loyalty trends for the twenty-first century", *Journal of Consumer Marketing*, Vol. 22 No. 2, pp.72-80.

***For books***

Surname, initials (year), *title of book*, publisher, place of publication.

e.g. Harrow, R. (2005), *No Place to Hide*, Simon & Schuster, New York, NY

***For book chapters***

Surname, initials (year), "chapter title", editor's surname, initials (Ed.), *title of book*, publisher, place of publication, page numbers.

e.g. Calabrese, F.A. (2005), "The early pathways: theory to practice – a continuum", Stankosky, M. (Ed.), *Creating the Discipline of Knowledge Management*, Elsevier, New York, NY, pp.15-20.

***For journals***

Surname, initials (year), "title of article", *journal name*, volume issue, page numbers.

e.g. Capizzi, M.T. and Ferguson, R. (2005), "Loyalty trends for the twenty-first century", *Journal of Consumer Marketing*, Vol. 22 No. 2, pp.72-80.