

Manuscript Preparation Guidelines for IEM Journal Authors

The aim of publishing the Journal of the Institution of Engineers Malaysia (or IEM Journal) is to promote the advancement of science, engineering, and technology; disseminate new and current knowledge; share novel findings among practising engineers, researchers and other interested colleagues. Hence, the IEM Journal covers a wide range of practical and diversified engineering disciplines, including publishing papers on any subjects relevant to the engineering and technology of today. As in other journals, all paper submissions to the IEM journal will be peer-reviewed by professionals.

Submission of a contribution is taken to manifest the fact that the submission has not been submitted, accepted, published, or copyrighted elsewhere. To avoid publication delays, please send all manuscripts to the Editor (via the Online Journal Submission) and observe the following guidelines. Each paper is independently peer-reviewed.

Types of Papers

IEM Journal will accept any submissions that fall within the three types of papers shown below:

- **Research Paper**

Significant research and development or applications in any field of engineering and/or technology. Submissions should be about 8-14 pages.

- **Review Paper**

Articles which summarises the state-of-the-art of a specific area of research. Submissions should be about 10-20 pages.

- **Brief Paper**

A concise description of new technical concepts or applications within the scope of the journal. Submission should be about 4 pages

Together with the paper submission, at least four (4) reviewers complete with their contact details (official postal and email address, and telephone number) are to be proposed by authors. Reviewers should be the experts in their research areas.

Plagiarism Policy

IEM Journal strictly prohibits any form of Plagiarism.

If the manuscript has been presented, published, or submitted for publication elsewhere, please inform the Editor. Our primary objective is to publish technical materials not available elsewhere.

Format and elements of submitted texts

a) Initial Submission

For initial submission and reviewing, ALL papers are accepted regardless of the formatting used.

b) Final Submission

Upon final submission of paper, authors are required to follow the manuscript instruction guidelines and paper template as presented below.

Please prepare your main text document in Microsoft Word and PDF format, text should be single line spaced, line numbered and pages should be numbered. You can [download the Paper Template here.](#)

Please note that the style that you submit your paper in (e.g. any additional italics or bold fonts, bullet points, etc.) may be changed on publication to accommodate our publication style.

Manuscript Style

Language:

- The language of the IEM Journal is in English. However, a paper in Bahasa Melayu is also accepted. For accepted papers, an abstract in English and Bahasa Melayu must be included.
- The manuscript should be able to be readily understood by an engineer and researchers alike and should avoid any colloquialisms.
- The terms, including nomenclature and abbreviations, and style should be consistent throughout your journal paper. If you collaborate with other writers, please communicate clearly with them.
- Avoid referring directly to the names of individuals, organisations, products, or services unless essential to the comprehension of the manuscript. Gratuitous flattery or derogatory remarks about a person or organisation should not be included.
- Symbols and Units: SI and derived units should be used, if possible.
- Abbreviations: the use of internationally recognised abbreviations is allowed in the text. The abbreviations should be defined on first use. Abbreviations should not be used in the title.

Manuscript Guide

The following is a detailed manuscript preparation guide for articles submitted to IEM Journal; however, they can, in the most part, be used as a basis for other article types amending to concur with the page limit and premise of the formats, as appropriate.

The manuscript should be typewritten using single-spacing, font of 12 Times Roman; on one side of sheet only and in a single column format.

Title

Titles are limited to 150 characters, including spaces. Please avoid the use of any abbreviations, acronyms, or formulae. Titles should clearly reflect the content of the manuscript and any search terms that readers may use should be considered and incorporated.

List of Authors Name

List down all the names of authors (who has contributed to the paper) and the respective affiliations. From the list of authors, place an asterisk (*) next to the corresponding author's name. Provide an official email address of the corresponding author. **Please DO NOT include your personal telephone number on the title page.**

Abstract

Provide an informative 100 to 250 words abstract at the head of the manuscript. This should be a concise reflection of the aims, findings, conclusions and any interesting or important results. Carefully incorporate any terms that may be used by potential interested readers to improve the article's discoverability online (search engine optimisation). The abstract should contain no reference. Abbreviations that are not commonly used should be defined (for the benefit of the non-specialist reader) at first use.

Keywords

These are used for indexing. Please include between 3-5 keywords.

List of notations

Please provide a list of symbols and definitions used in the text. This will ease our readers.

Introduction

A concise summary of current background knowledge, with reference to relevant previous works in the field should be presented. Please also describe the objectives of and justification for the work contained in the submitted manuscript.

Main Text

The methods and processes applied to investigate and achieve the objectives should be communicated in sufficient detail that readers could repeat the work successfully. The results should be reported clearly and interpreted accurately and analysed thoroughly. Figures/tables can be used to support these results.

It is important that all research articles include a section at the end of the main text that highlights the novelty of the results to the engineering field and any potential applications.

All sections should be numbered in Arabic such as 1, 2, etc. with the title in capitals. Sub-sections should be numbered such as 1.1, 2.3, etc. Numbered all equations in round brackets () flush to the right. The equation should be in the centre.

Style for Illustrations (Tables and Figures)

Try to include the illustrations in between the text. Each illustration must be numbered such as “Figure 1, Figures 2-3, etc.” and have a meaningful caption at the bottom. For tables, the caption must be at the top.

On graphs, show only the coordinate axes, or at most the major grid lines, to avoid a dense hard-thread result.

All lettering should be large enough to permit legible reduction of the figure to column width. Typing on figures is not acceptable. Photographs should be glossy prints, of good contrast and gradation and any reasonable size.

Conclusions

A concise summary of the results of case studies or research project papers and the lessons learned should be discussed. If necessary, please elaborate the applicability / relevance of your article to readers in other countries.

Research journals must discuss the practical relevance and potential applications of the engineering work described. This is important to readers working in engineering related practice.

Please also include relevant references to demonstrate how previous engineering research work has been used. These references could be standards, codes or relevant past journal papers.

Appendices

Additional information, such as tables or mathematical derivations can be included. These will be included in the article.

Acknowledgements

Please provide acknowledgement details to those persons or organization that contributed to the paper. Additional details required by funding bodies can be included.

References

The references to other literature that you have cited in your main text should be based on the APA style of referencing (Author, Date) as described below. Please refer <https://apastyle.apa.org/> for a detailed guide on the referencing style.

- Single author: (Author, Year) or Author (Year)
- Two authors: (Author 1 & Author 2, Year) or Author 1 and Author 2 (Year)
- Three and more authors: (Author 1 et al., Year) or Author 1 et al. (Year)

In the text, the author and year of the reference should be put in parentheses immediately after the work referred to, for example ‘Controlled tests on the Millennium Bridge (Chapman et al.,

2005; Murray & Geddes, 1987; Wilby et al., 2011) during which.....’ or ‘as mentioned by Lim et al. (2018), the NCA derived from the agricultural wastes...’

All references must be listed, in full, at the end of the paper in alphabetical order, irrespective of where they are cited in the text.

In the reference section, the references should be written in full, as follows:

Books: Author 1 surname, author 1 initials, & Author 2 surname, author 2 initials. (Year of publication). Book title. Publisher, City, Country. doi reference. For example:

Kobayashi, K., Khairuddin, A. R., Ofori, G. & Ogunlana, S. (Eds.). (2009). *Joint ventures in construction*. Thomas Telford, London, UK.
Owen, G. & Totterdill, B. (2008). *The dispute board hearing*. In *Dispute Boards: Procedures and Practice*. Thomas Telford, London, UK.

Journal, magazine and newspaper articles: Author 1 surname, author 1 initials, & Author 2 surname, author 2 initials. (Year of publication). Paper title. Journal title, Volume (Issue number), First page-Last page. doi reference. Unpublished papers and theses should not be cited as they are not readily available.

Lim, J. L. G., Raman, S. N., Lai, F. C., Zain, M. F. M., & Hamid, R. (2018). Synthesis of nano cementitious additives from agricultural wastes for the production of sustainable concrete. *Journal of Cleaner Production*, 171, 1150-1160. <https://doi.org/10.1016/j.jclepro.2017.09.143>.
Soon, F. C., Khaw, H. Y., Chuah, J. H., & Kanesan, J. (2018). Hyper-parameters optimisation of deep CNN architecture for vehicle logo recognition. *IET Intelligent Transport System*, 12(8), 939-946. <https://doi.org/10.1049/iet-its.2018.5127>.

Conference proceedings: Author 1 surname, author 1 initials, & Author 2 surname, author 2 initials. (Year of publication). Paper title. Proceedings title, Volume (Issue number), First page-Last page. doi reference. Unpublished conference proceedings (i.e. that were only given to delegates) should not be cited as they are not generally available.

Chuah, J. H., Khaw, H. Y., Soon, F. C., & Chow, C. (2017). Detection of Gaussian noise and its level using deep convolutional neural network. *Proceedings of the TENCON 2017 - 2017 IEEE Region 10 Conference*, 2447-2450. <https://doi.org/10.1109/TENCON.2017.8228272>.

Unpublished material should not be included in the Reference list.

Please refer to <https://apastyle.apa.org/> for a detailed guide on the referencing style. Authors should strictly adhere to the referencing style specified herein.

Mathematical equations

Only relevant equations should be included in the main text and should be numbered. An equation editor program can be used to type in a formula.

Figures and tables caption list: Please supply a figure caption list at the end of your journal paper. Figures and tables must be put in the text in consecutive order. All figures must have a brief title accompanied with a short description.

Brief Profile

At the end of the manuscript, each author should provide a brief profile (less than 150 words), together with recent photographs (preferable less than 3 MB).

Corresponding Authors

We only permit one corresponding author per submission.

Conflict of Interest

Conflict of interest occurs when an author (or the author's institution) has personal or financial relationships that inappropriately influence the statements in the publication. Authors should ensure that publications will be written in an unbiased, ethical and responsible manner. The authors working on any sponsored engineering work or publications should declare such work under Conflict of Interest during submission.

Submission of Paper

Authors are required to submit via the IEM Online Journal Submission (OJS) through the following link: <https://iemjournal.com.my/index.php/iem/about/submissions>.

Together with the manuscript, the corresponding author should enclose a cover letter containing the significance of the paper, the postal and email address, and telephone number for correspondence. In the cover letter, kindly provide four (4) names as reviewers. The selected reviewers must have the relevant knowledge and research experience. Provide the reviewers postal and email addresses and telephone numbers (if possible).

Further Enquiries

For further enquires, please contact Secretariat at the address shown below:

The Institution of Engineers, Malaysia (IEM)

Bangunan Ingenieur

60 & 62 Jalan 52/4 (P. O. Box 223 Jalan Sultan)

46720 Petaling Jaya, Selangor Darul Ehsan

MALAYSIA

Tel: (+60)3-7968 4001/2 Fax: (+60)3-7957 7678

E-mail: pub@iem.org.my or journalpub@iem.org.my