

# Journal of Mechatronics, Electrical Power, and Vehicular Technology

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### ABSTRACT AND KEYWORDS

#### Abstract

Abstract should be concise and factual, contains neither pictures nor tables, and should not exceed 250 words. The abstract should state briefly the purpose of the research, research methods, the principal results, and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

#### Graphical abstract

A graphical abstract is optional. Its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a supplementary file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. You can view Example Graphical Abstracts on our information site.

#### Keywords

The keywords should be avoiding general and plural terms and multiple concepts. Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.



## INSTRUMENTS

### Abbreviations, Acronyms, and Units

Define abbreviations and acronyms at the first time they are used in the text, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CGS, sc, dc, and rms do not have to be defined. Do not use abbreviations in the title or heads unless they are unavoidable. Use either SI (MKS) or CGS as primary units. (SI units are encouraged.) English units may be used as secondary units (in parentheses). An exception would be the use of English units as identifiers in trade, such as "3.5-inch disk drive." Avoid combining SI and CGS units, such as current in amperes and magnetic field in oersteds. This often leads to confusion because equations do not balance dimensionally. If you must use mixed units, clearly state the units for each quantity that you use in an equation.

Do not mix complete spellings and abbreviations of units: "Wb/m<sup>2</sup>" or "webers per square meter," not "webers/m<sup>2</sup>." Spell units when they appear in text: "...a few henries," not "...a few H." Use a zero before decimal points: "0.25," not ".25." Use "cm3," not "cc".

### Math formulae

Mathematical equation should be clearly written, numbered orderly, and should be an editable text prepared using MS Equation Editor (not in image format) and should also be separated from the surrounding text. Be sure that the symbols in your equation have been defined before or immediately following the equation. Use "(1)," not "Eq. (1)" or "equation (1)," except at the beginning of a sentence: "Equation (1) is ...". Italicize Roman symbols for quantities and variables, but not Greek symbols. Use a long dash rather than a hyphen for a minus sign.

### Header-footer and hyperlink

Header and footer including page number must not be used. All hypertext links and section bookmarks will be removed from papers. If you need to refer to an Internet email address or URL in your paper, you must type out the address or URL fully in Regular font.

### Footnotes

Footnotes should be avoided if possible. Necessary footnotes should be denoted in the text by consecutive superscript letters. The footnotes should be typed at the foot of the page in which they are mentioned, and separated from the main text by a short line extending at the foot of the column.

## FIGURE AND TABLE

Figure should be in grayscale, and if it made in color, it should be readable (if it later printed in grayscale). A caption should be sequentially numbered with Arabic numerals and comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used. The lettering on the artwork should be clearly readable and in a proportional measure and should have a finished, printed size of 8 pt for normal text and no smaller than 6 pt for subscript and superscript characters. Use words rather than symbols or abbreviations when writing Figure axis labels to avoid confusing the reader. As an example, write the quantity "Magnetization," or "Magnetization, M," not just "M." If including units in the label, present them within parentheses. Do not label axes only with units. In the example, write "Magnetization (A/m)" or "Magnetization (A ( m(1)," not just "A/m." Do not label axes with a ratio of quantities and units. For example, write "Temperature (K)," not "Temperature/K."

Figures should have a brief description in the main body of the manuscript. Insert figures and tables after they are cited in the text. For layouting purpose, please provide high resolution figure ( $\geq 300$  dpi) in .tif/.jpg/.jpeg. Low-quality scans are not acceptable. Figures and tables should be embedded and not supplied separately. Moreover, kindly avoid mentioning the position of figure/table e.g. "figure below" or "table as follow" because the position will be rearranged in layouting process. DO NOT put boxes around your figures to enclose them.

We suggest that you use a text box to insert a graphic (which is ideally at least 300 dpi resolution TIFF or EPS file with all fonts embedded) because this method is somewhat more stable than directly inserting a picture. To have non-visible rules on your frame, use the MSWord "Format" pull-down menu, select Text Box > Colors and Lines to choose No Fill and No Line.

### Electronic artwork

#### General points:

- Make sure you use uniform lettering and sizing of your original artwork.
- Preferred fonts: Arial (or Helvetica), Times New Roman (or Times), Symbol, Courier.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.

### Formats

Regardless of the application used, when your electronic artwork is finalized, please 'save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):

- EPS (or PDF): Vector drawings. Embed the font or save the text as 'graphics'.

- TIFF (or JPG): Color or grayscale photographs (halftones): always use a minimum of 300 dpi.
- TIFF (or JPG): Bitmapped line drawings: use a minimum of 1000 dpi.
- TIFF (or JPG): Combinations bitmapped line/half-tone (color or grayscale): a minimum of 500 dpi is required.

Please do not:

- Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); the resolution is too low.
- Supply files that are too low in resolution.
- Submit graphics that are disproportionately large for the content.

Figure captions

Ensure that each illustration has a caption. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used. figure caption of a single line must be centered whereas multi-line captions must be justified

Tables

Please submit tables as editable text and not as images. Number tables consecutively with Arabic numerals in accordance with their appearance in the text. Place footnotes below the table body and indicate them with superscript lowercase letters. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules and shading in table cells.

## CONSTRUCTION OF REFERENCES

References are recommended using IEEE referencing style. Please ensure that every reference cited in the text is also present in the reference list (and vice versa). References should be listed at the end of the paper and numbered in the order of their appearance in the text. The template will number citations consecutively within brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]–do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence: “Reference [3] was the first ...”

Unpublished results and personal communications are not recommended in the reference list but may be mentioned in the text. If these references are included in the reference list, they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication. Wikipedia, personal blog, or non-scientific website is not allowed to be taken into account. Primary references should be at least 80% from at least fifteen references. References should be taken from the late ten years.

Avoid bulk references such as [1–9]. Avoid excessive self-citations (no more than 20%). If possible, article's DOI should be given for each reference list.

Reference formatting

There are two types of references, i.e., electronics sources and nonelectronics sources. Sample of correct formats for various types of references are as follows

- *Book*: Author, *Title*. edition, editor, City, State or Country: Publisher, year, Pages.
- *Part of book*: Author, “Title”, in *Book*, edition, editor, City, State or Country: Publisher, year, Pages.
- *Periodical*: Author, “Title”, *Journal*, *volume (issue)*, pages, month, year.
- *Proceeding*: Author, “Title”, in *Proceeding*, year, pages.
- *Unpublished paper*: Author, “Title”, presented at Conference/ event title, City, State or Country, year.
- *Patent/Standart*: Author, “Title”, patent number, month day, year.
- *Technical report*: Author, “Title”, Company, City, State or Country, Tech. Rep. Number, month, year.

Three pieces of information are required to complete each reference from electronics sources: 1) protocol or service; 2) location where the item is to be found; and 3) item to be retrieved. Sample of correct formats for electronics source references are as follows:

- *Book*: Author. (year, month day). *Title*. (edition) [Type of medium]. *volume (issue)*. Available: site/path/file.
- *Periodical*: Author. (year, month). *Title*. *Journal*. [Type of medium]. *volume (issue)*, pages. Available: site/path/file.
- *Papers presented at conferences*: Author. (year, month). *Title*. Presented at Conference title. [Type of Medium]. Available: site/path/file.
- *Reports and handbooks*: Author. (year, month). *Title*. Company. City, State or Country. [Type of Medium]. Available: site/path/file.

Reference management software

Every article submitted to MEV Journal shall use reference management software that supports Citation Style Language styles, such as Mendeley and Zotero, as well as EndNote®.