

Preparation of Papers for the ENP Engineering Science Journal (January 2021)

First Author, Second Author, and Third Author

Abstract—This manuscript provides guidelines for preparing papers for the ENP Engineering Science Journal (ENPESJ). Please use this document as a template when using Microsoft Word or LaTeX editor. The title should be in uppercase and lowercase letters, not all uppercase. It should not contain formulas. Author full names in the author field are required. The abstract must be a concise and comprehensive reflection of the content of the paper. The abstract must be self-contained, without footnotes, abbreviations, or references. It should be between 150–250 words. The abstract should not contain mathematical equations or tabular material, and must be written as one paragraph. The abstract must include more than three keywords (up to five). Please include appropriate keywords in alphabetical order, separated by commas as shown below.

Keywords—keyword 1, keyword 2, keyword 3, keyword 4, keyword 5.

NOMENCLATURE

Authors might use unnumbered section to include the whole of abbreviations appeared in the manuscript. This section must be included before the Introduction. The abbreviations should be included as follows:

ENP	Ecole Nationale Polytechnique.
ENTR	Entropy (Shannon entropy).
DWT	Discrete Wavelet Transform.
HV	High Voltage.
STD	Standard Deviation.
THD	Total Harmonic Distortion.

I. INTRODUCTION

This document is a template for Microsoft Word that you can use to prepare your manuscript. If you would prefer to use LaTeX, download ENPESJ's LaTeX style and sample files from the journal Web page.

II. MANUSCRIPT PREPARATION GUIDELINES

The style of this template will adjust line spacing and the fonts. Do not change line spacing or the font sizes to squeeze more text

Manuscript received xxxx, xxxx; revised xxxx, xxxx.

This paragraph of the first footnote will contain the date on which the paper is submitted for review. It will also contain support information, including sponsor and financial support acknowledgement. For example, "This work was supported in part by the ATRSDT under Grant A55555".

The next few paragraphs should contain the authors' current affiliations, including current address and e-mail. For example, F. Author is with the Computer Engineering Department, University of Science and Technology Houari Boumedine, Algiers, ALGERIA (e-mail: author@usthb.dz).

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Remember to check spelling. If needed, please get your paper proofread by an English-speaker colleague.

III. MATHS

Be sure that the symbols in the equation have been defined before it appears or immediately following. Italicize symbols. Refer to "(1)", not "Eq. (1)" or "equation (1)", except at the beginning of a sentence: "Equation (1) is ...".

For the Word template, please use the Microsoft Equation Editor for producing equations. "Float over text" should not be selected. For LaTeX users, there are two writing modes: the in-line mode and the display mode. The in-line mode is used to write formulas that are part of the text (e.g., \dots is defined by $f(x) = \xi \max_n (g_n(x))$ where \dots) and the display mode is used to write expressions that are not part of the text and hence are put on different lines. The display mode has two versions: unnumbered and numbered, respectively, as follows:

$$\nabla \cdot \vec{u} = 0$$

and

$$\frac{\partial \vec{u}}{\partial t} + (\vec{u} \cdot \nabla) \vec{u} = -\frac{\nabla p}{\rho} + \nu \cdot \nabla^2 \vec{u} + \vec{F} \quad (1)$$

In some case, the authors need to compose a numbered system of equations. For instance, Navier-Stokes system of equations

for incompressible flow of Newtonian fluids is presented in the Cartesian coordinates as shown below:

$$\nabla \cdot \vec{u} = 0 \quad (2a)$$

$$\frac{\partial \vec{u}}{\partial t} + (\vec{u} \cdot \nabla) \vec{u} = -\frac{\nabla p}{\rho} + \nu \cdot \nabla^2 \vec{u} + \vec{F} \quad (2b)$$

where u is a vector field of the flow velocity, ρ is the fluid density, p is the pressure, ν is the kinematic viscosity, and F represents body forces (per unit of mass in a volume) acting on the fluid, and finally ∇ is nabla operator.

For referencing this type of mathematics, the authors should call the entire system of equations using “(2)” or only one equation using “(2a)” or “(2b)”.

IV. UNITS

Use SI as primary units. English units may be used as secondary units (in parentheses). For example, write “15 Gb/cm² (100 Gb/in²)”. If you must use mixed units, clearly state the units for each quantity in an equation.

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Figures (except photographs) are often reduced to 7 cm×7 cm. When preparing the figures, authors should pay attention to the widths of lines and similar details, as some (e.g., dotted or thin lines) may disappear after reduction.

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Figure axis labels are often a source of confusion. Use words rather than symbols. As in Fig. 1, for example, write “SNR (dB)” not just “dB”. Figure labels should be legible.

B. Photographs

Photographs should have high contrast. They should be glossy, properly focused and exposed. Line drawings should be clear and well designed. The lettering and plotted points should be large enough to be legible after reduction.

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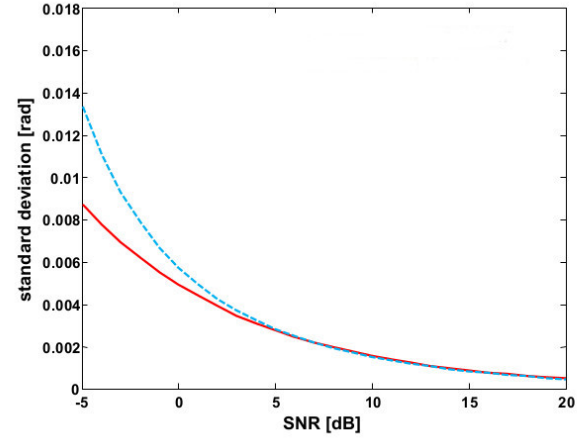


Fig. 1: Standard deviation as a function of Signal To Noise Ratio (SNR). Full line: Algorithm 1. Dash line: Algorithm 2. Note that “Fig.” is abbreviated. There is a period after the figure number, followed by two spaces. It is good practice to explain the significance of the figure in the caption.

VI. TABLES

Tables should contain only the body of the table (not the caption). When referencing your tables within the paper, use “Table.”, and do not abbreviate it. Tables should be numbered with Roman Numerals.

Table. I

PHASE ANGLE BETWEEN VOLTAGE AND MEASURED CURRENT

Position	Selected widths			
	10 cm	15 cm	20 cm	25 cm
HV-side	61.8600	37.5000	39.8421	13.1719
GR-side	50.1162	46.2553	37.5265	20.8972
Midway	64.8724	60.0202	27.7462	20.8526

VII. CONCLUSION

A conclusion reviews the main points of the paper and is not a replicate of the abstract. It might elaborate on the importance of the work or suggest applications and extensions.

APPENDIX

Appendixes, if needed, appear before the acknowledgement.

ACKNOWLEDGEMENT

Use the singular heading even if you have many acknowledgements. Avoid expressions such as “One of us (X) would like to thank . . .”. Instead, write “Author X thanks . . .”. In most cases, sponsor and financial support acknowledgements are placed in the unnumbered footnote on the first page, not here.

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Reference citation numbers appear on the line, in square brackets (e.g., [1]). Multiple references are each numbered with separate

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Authors should consider the following:

1. Technical papers submitted for publication must advance the state of knowledge and must cite relevant prior work.
2. The length of a submitted paper should be commensurate with the importance, or appropriate to the complexity, of the work.

3. Authors must convince both peer reviewers and the editors of the scientific and technical merit of a paper.
4. Because replication is required for scientific progress, papers submitted for publication must provide sufficient information to allow readers to perform similar experiments or calculations and use the reported results. A paper should contain new, usable and fully described information.
5. Papers that describe ongoing work or announce the latest technical achievement, which are suitable for presentation at a professional conference, may not be appropriate for publication.

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