

Template of Manuscripts for Journal of Data Science, Informatics and Computer Engineering

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Abstract – This template represents the basic guidelines and desired layout final manuscript of Journal of Data Science, Informatics and Computer Engineering (JDSICE). Abstract should not contain any equations, references, or footnotes. This article plays the role of a template as well as the guidelines for prospective authors who will have to prepare the final manuscript accepted for publication by Journal of Data Science, Informatics and Computer Engineering (JDSICE). This is an open access article under the CC BY-SA license. <https://creativecommons.org/licenses/by-sa/4.0/>



Keywords: Template, Journal of Electrical and Intelligent Systems (JEIS)

I. Introduction

The introduction section should clearly describe the background and motivation of the research. Authors are expected to explain the scientific and/or engineering problems addressed in the paper and their relevance to the scope of the Journal of Data Science, Informatics and Computer Engineering (JDSICE), which includes but is not limited to control systems, automation, robotics, power systems, power electronics, artificial intelligence, embedded systems, and intelligent energy technologies.

This section should also provide a concise review of relevant and recent literature to position the proposed work with respect to existing studies. The limitations of previous works should be highlighted to justify the necessity of the present research. Authors should clearly state the novelty, originality, and main contributions of the paper.

The final paragraph of the introduction should outline the structure of the paper, briefly describing the contents of each subsequent section.

II. Format of Manuscript

The paper should be written in A4 (210mm by 297mm) size. Your manuscript should be on two side of a sheet, with margins of 2.5 cm on left and 1.5 cm on right side and 2.44 cm on top and 3 cm bottom side, respectively, of each page. Distance from edge must be

0.55 cm from header and 2 cm from footer. To prevent unnecessarily lengthy manuscripts and to ensure concise presentation, the initial submission is limited to **5–7 pages**. Authors are expected to clearly and succinctly present the main contributions, methodology, results, and discussion within the specified page limit. The subsequent headings are called subsection. All fonts are Times New Roman.

A. Main Title and Author Affiliation

The title of the paper must be centered at the top of the first page using Times New Roman, 20 pt, and should not be written entirely in capital letters. The title must be concise, informative, and accurately reflect the content of the paper.

Author names should be written below the title using Times New Roman, 12 pt, centered. The authors' affiliation is 10 pts. Author affiliations must be listed using superscript numbering and should include the department, institution, city, postal code, and country. The corresponding author must be clearly indicated, along with a valid email address.

B. Abstract and Keywords

The abstract should be written in single-column format and must be between 50 and 200 words. The abstract should concisely describe the purpose of the study, the

methodology, key results, and the main conclusions. The abstract must not contain equations, references, or footnotes.

The word “Abstract –” should be written in bold, 11 pt, followed by the abstract text in 10 pt. A blank line should be left between the abstract and the keywords.

Keywords should consist of approximately five terms or phrases, written in alphabetical order and separated by commas. The label “Keywords:” must be written in bold, 11 pt.

C. Body

The main body of the manuscript must be written in a two-column format. Each column should have a width of approximately 8.0 cm, with a spacing of 1.0 cm between columns. The main text must be written in Times New Roman, 10 pt, single-spaced, with the first line of each paragraph indented by 0.4 cm.

Section headings must be numbered using Roman numerals (I, II, III, ...), centered, and written in bold, 11 pt. Subsection headings should be italicized, centered, and written in 10 pt. Spacing before section headings should be 18 pt, and spacing after should be 6 pt.

III. Tables and Figures

Tables and figures must be embedded in the text as close as possible to their first reference. All tables and figures must be centered within the column. Large tables or figures may span across both columns if necessary. Table titles must be placed above the table, written in 8 pt, capital letters, and centered. Tables must be numbered using Roman numerals (TABLE I, TABLE II, etc.). Vertical lines are not permitted in tables. Figure captions must be placed below the figure, written in 8 pt, and centered.

Figures must be numbered consecutively using Arabic numerals (Fig. 1, Fig. 2, etc.). The abbreviation “Fig.” should be used even at the beginning of a sentence. Figures should be in grayscale unless color is essential for correct interpretation. All symbols, labels, and axis units in figures must be clearly readable when printed.

TABLE I
SPECIFICATIONS ADOPTED FOR THE SIMULATED VSG

Parameter	Description	Value	Unit
S_{rated}	Rated power	10	kVA
S_{max}	Maksimum power	12	kVA
V_g	Line to line grid voltage	380	Volt
$V_{in VSG}$	VSG input voltage (DC)	800	Volt
f_g	Grid frequency	50	Hz
f_s	VSG switching frequency	10	kHz
C_f	VSG filter capacitance	10	μF
L_f	VSG filter inductance	18.4	mH
L_g	Grid inductance	20	mH

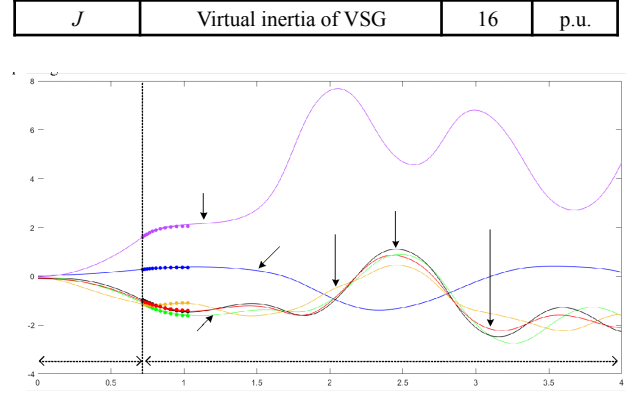


Fig. 1. Dynamic behavior of generators during a fault at point "D" between bus 2 and bus 5 in the IEEE 6-machine 30-bus system

IV. Abbreviation and Acronyms

All abbreviations and acronyms must be defined the first time they appear in the text, even if they have already been defined in the abstract. Abbreviations should be avoided in the title unless they are absolutely necessary.

Once defined, abbreviations may be used consistently throughout the manuscript. Authors should ensure that abbreviations do not reduce readability or clarity.

V. Units

Authors are strongly encouraged to use the International System of Units (SI) throughout the manuscript. Units should be written using standard symbols and formatting conventions.

A space must be inserted between numerical values and units (e.g., 10 kW, 50 Hz), except for degree symbols and percentages. Consistent use of units is required throughout the paper.

VI. Equations

Equations should be placed at the center of the line and provided consecutively with equation numbers in parentheses flushed to the right margin, as in (1). You must use Microsoft Equation Editor or Mathtype.

Be sure that the symbols used in your equation have been defined before the equation appears or immediately following:

$$V_1(t) = \sum_{r=1}^{(1-M)^3} x^k \sqrt{2} V_r \sin \omega t \quad (1)$$

The equations must be the following sizes:

- Full text 10 pt
- Subscript/Superscript 7 pt
- Sub-Subscript/superscript 5 pt
- Symbol 16 pt

- Sub-Symbol 8 pt
The style of the text is Times new Roman.

VII. Conclusion

Even though a conclusion may review the main results or contributions of the paper, do not duplicate the abstract or the introduction. For a conclusion, you might elaborate on the importance of the work or suggest the potential applications and extensions.

Appendix

Appendixes, if needed, appear before the acknowledgment.

Acknowledgements

This work was supported by Journal of Electrical and Intelligent Systems (JEIS).

References

This heading is not assigned a number. This journal adopts the IEEE reference format with numerical in-text citations.

Citations must be numbered consecutively in square brackets [1]. The sentence punctuation should be put after the brackets [2]. Multiple references [2], [3] must be written in separate brackets [2], [3]. In sentences, refer simply to the reference number, as in [3]. Do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence.

The list of references must be arranged in the order of citation in the text, not in alphabetical order. The text body of the references must be written in Times New Roman, 8 pt, single-spaced.

Modality of Journal Papers’ quote:

- [1] A. A. Author, B. B. Author, & C. C. Author, “Title of the article,” *Title of the Journal*, vol. xx, no. x, pp. xxx–xxx, Month Year. <https://doi.org/xx.xxxx/xxxxx>

Note that journal title and volume number (but not issue number) are set in italics.

Modality of Books’ quote:

- [2] A. A. Author & B. B. Author, *Title of the book*. Publisher, Year.
Note that the title of the book is in lower case letters and italicized. There is no comma following the title. Edition date and publisher are given.

Modality of Chapters in Books’ quote:

- [3] A. A. Author & B. B. Author, “Title of the chapter,” in *Title of the book*, E. E. Editor, Ed. Publisher, Year, pp. xxx–xxx.
Note that the place of publication, publisher, and year of publication are enclosed in brackets.

Modality of Theses’ quote:

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Modality of Proceedings Papers’ quote:

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