

Preparation of a Technical Paper for IPEC-Niigata 2018

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Abstract—Basic guidelines for the preparation of a technical paper for IPEC-Niigata 2018 are presented. This document is itself an example of the desired layout (inclusive of this abstract) and can be used as a template if you are using Microsoft Word 97 or later. The abstract is limited to 150 words and cannot contain equations, figures, tables, or references. It should concisely state what was done, how it was done, principal results, and their significance.

Keywords—The authors shall provide up to 4 keywords or phrases (in alphabetical order and separated by commas) to help identify the major topics of the paper.

I. INTRODUCTION

This document contains information regarding desktop publishing format, type sizes, and typefaces. Style rules are provided to explain how to handle equations, units, figures, tables, abbreviations, and acronyms. Sections are also devoted to references.

For additional information not included in these instructions, please contact IPEC-Niigata 2018 paper submission office at ipec2018@jtbcom.co.jp.

II. TECHNICAL WORK PREPARATION

The total paper length should not exceed eight (8) pages. No extra pages are permitted.

A. Format

Prepare your technical work in single-spaced, double-column format, on A4 paper sheet (210x297 mm).

Set top and bottom margins to 25 mm, and left and right margins to 20 mm. The column width has to be 82 mm; the space between two columns is 6 mm. Paragraph indentation is 4 mm. Please use left and right justification of your columns. Use one space-line between sections, and between text and tables or figures. Adjust the length of the columns on the last page.

B. Type Sizes and Typefaces

Please use “ Times Roman ” or “ Times New Roman ” typeface and embed all fonts (See your software’s “ Help ” section if you do not know how to embed fonts).

C. Section Headings

A primary section heading is enumerated by a Roman numeral followed by a period and is centered above the text. A primary heading should be in small caps. The first letter of each important word is capitalized.

Do not number Appendix, Acknowledgment and References.

A secondary section heading is enumerated by a capital letter followed by a period and is flush left above the section. The first letter of each important word is capitalized and the heading is italicized.

D. Figures and Tables

In labeling figure axes please use words rather than symbols. Put units in parentheses as in Fig. 1.

Large figures and tables may span both columns, but may not extend into the page margins. Figure captions have to be below the figures; table captions have to be above the tables.

Do not put captions in “text boxes” linked to the figures. Do not put borders around your figures.

All figures and tables must be placed just after they are first mentioned. Digitize your tables and figures.

E. Math and Equations

Use either the Microsoft Equation Editor or the MathType commercial add-on for MS Word for all math objects in your paper.

Number equations consecutively with numbers in parentheses flush with the right margin, as in (1).

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

$$v_s = R_s i_s + L_s \frac{d}{dt} i + L_m \frac{d}{dt} i_r \quad (1)$$

where R_s is the stator phase resistance.

TABLE I. FUNDAMENTAL PHYSICAL CONSTANTS

Symbol	Meaning	Value
μ_0	Magnetic constant	$4\pi \times 10^{-7} \text{NA}^{-2}$
ε_0	Electric constant	$8.854 \times 10^{-12} \text{Fm}^{-1}$

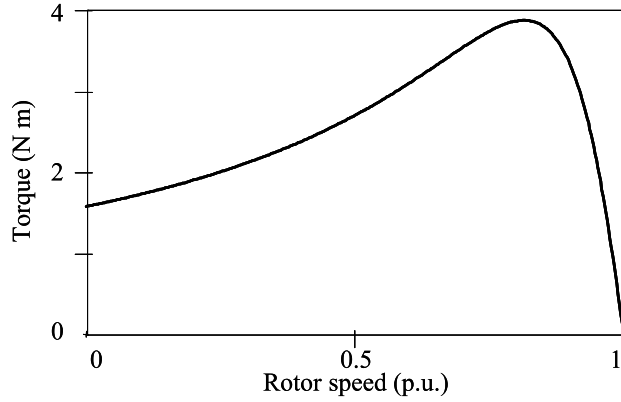


Fig. 1. Torque-speed characteristic of a three-phase induction motor.

F. Numbering

Do not number pages.

Number reference citations consecutively in square brackets [1].

Number footnotes separately with superscripts. Place the actual footnote at the bottom of the column in which it is cited.

All figures and tables must be numbered consecutively. Use Arabic numerals for figures and Roman numerals for tables.

G. Abbreviations and Acronyms

Define less common abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract. Do not use abbreviations in the title unless they are unavoidable.

III. UNITS

Use International System of Units (SI - MKSA) as primary units. British units could be used as secondary units in parentheses.

IV. CONCLUSIONS

Conclusions are one of the most important parts of a paper. Please give careful consideration to this section.

APPENDIX

Appendixes, if needed, have to appear before the Acknowledgment.

ACKNOWLEDGEMENT

Please place an eventual Acknowledgment here, before the References. Put sponsor acknowledgments in an unnumbered footnote on the first page.

SUBMISSION OF THE FINAL PAPER

Final papers have to be submitted electronically in PDF file by March 9, 2018.

IPEC-Niigata 2018 Proceedings will be published on IEEE Xplore. Authors are requested to use official IEEE PDF eXpress software to attain IEEE Xplore-compatible PDF files.

Detailed instructions are available on the IPEC-Niigata 2018 website <http://www.ipec2018.org/>.

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