

Preparation of an Extended Summary for IPEC-Niigata 2018

Topic number: 5

Do not indicate author's names!

Abstract—Basic guidelines for the preparation of an extended summary for IPEC-Niigata 2018 are presented. This document is itself an example of the layout and can be used as a template if you want. The format of the extended summary is free except what is described in the first section of this document.

I. INTRODUCTION

An extended summary describing work not previously published or presented must be electronically submitted in PDF file through the conference website no later than **Oct 16, 2017**. The extended summary should be up to **4 pages long, two-column**, single-space on either A4 or 8.5 by 11 inch (letter size) format with supporting figures, tables and references, headed by title of paper and choice of topic category. Please do not indicate authors' names.

The font size should be 24pt for title, 9pt for abstract, figure/table captions and references, and 10pt for main text. Please use "Times New Roman", "Symbol" or compatible fonts. Do not use 2-byte characters to avoid the troubles in printing. Table I and Fig. 1 provide samples. List one reference per reference number. Number reference citations consecutively in square brackets [1]. Number equations consecutively with numbers in parentheses flush with the right margin, as in (1).

$$\mathbf{v}_s = R_s \mathbf{i}_s + L_s \frac{d}{dt} \mathbf{i} + L_m \frac{d}{dt} \mathbf{i}_r \quad (1)$$

A PDF file of the extended summary should be submitted. The submitted extended summary will be reviewed via a peer review process in order to ensure the highest technical quality of the conference. The extended summary should clearly define the salient concepts and novel features of the work. Be sure to mention past or previous works to distinguish your originality from them. For additional information not included in these instructions, please contact IPEC-Niigata 2018 secretariat at ipcc2018@jtbcom.co.jp.

TABLE I. FUNDAMENTAL PHYSICAL CONSTANTS

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

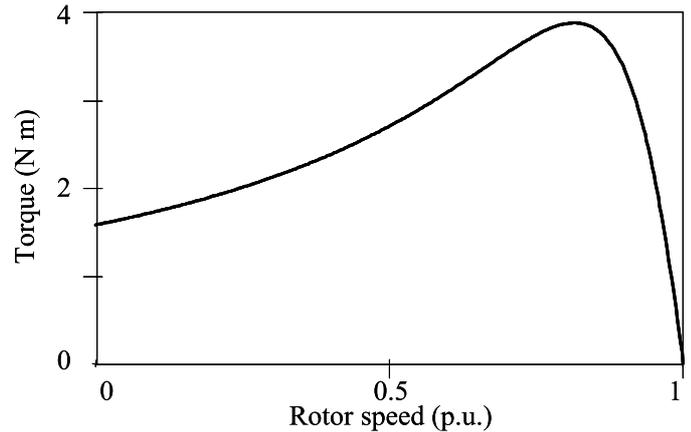


Fig. 1. Torque-speed characteristic of a three-phase induction motor.

II. INFORMATION

On behalf of the Organizing and Steering Committees, we sincerely welcome you to the 2018 International Power Electronics Conference, IPEC-Niigata 2018 -ECCE Asia-. The first IPEC was held in 1983, and since then, in 1990, 1995, 2000, and 2005, IPEC 's have been held in different locations, sponsored by the Institute of Electrical Engineers of Japan (IEEJ). Since 2010, IPEC has had the additional function of the power electronics conference series which is held in the three country rotation of China, Japan and Korea, and has also been held as one of the ECCE Asia conferences due to cooperation with the IEEE Power Electronics Society and IEEE Industry Applications Society. After IPEC-Hiroshima 2014, the eighth International Power Electronics Conference, IPEC-Niigata 2018-ECCE Asia-, will be held from May 20 to May 24, 2018 in Niigata, Japan. The conference venue will be the Niigata Convention Center, Toki Messe, which faces to the estuary of the Shinano River, the longest river in Japan.

All papers presented will be published in the IEEE Xplore.

REFERENCES

- [1] M. Young, "The PWM strategy on DC-DC converter", *IEEJ Journal of Industry Applications*, vol. 28, no. 15, pp. 123-129, 1989.
- [2] G. Eason, B. Noble, and I.N. Sneddon, "On certain integrals of Lipschitz-Hankel type involving products of Bessel functions", *IEEE Trans. on Power Electronics*, vol. 247, no. 8, pp. 529-551, 1995.
- [3] J. Clerk Maxwell, "A Treatise on Electricity and Magnetism", *IEEE Trans. on Industry Applications*, vol. 589, no. 2, pp. 68-73, 2010.