

# Preparation of Papers For Smartics Journal

(Center, Bold, Times New Roman 24pt, maximum 16 words)

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**Abstract**—These instructions give you guidelines for preparing papers for SMARTICS Journal. Use this document as a template if you are using Microsoft *Word* 6.0 or later. Otherwise, use this document as an instruction set. The electronic file of your paper will be formatted further at SMARTICS. Define all symbols used in the abstract. Do not cite references in the abstract. Do not delete the blank line immediately above the abstract; it sets the footnote at the bottom of this column.

**Index Terms**—About four key words or phrases in alphabetical order, separated by semicolons.

**Abstrak**—Artikel ini berisi petunjuk bagaimana mempersiapkan artikel yang digunakan untuk Jurnal SMARTICS. File ini dapat digunakan sebagai template jika penulisan menggunakan Microsoft Word 6.0 atau yang terbaru, atau digunakan sebagai panduan jika menggunakan *word processor* yang lain.. Definisikan semua simbol yang digunakan dalam abstrak. Jangan mencuplik referensi dalam abstrak. Jangan menghapus baris kosong di atas abstrak karena bagian ini akan digunakan untuk mengatur header/footer.

**Kata Kunci**—Sekitar empat kata kunci atau frasa dalam urutan abjad yang terpisah oleh titik-koma.

## I. INTRODUCTION

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  - o Left - 30 mm,
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  - o Gutter - 0 mm,
  - o Pages - Multiple Page - Mirror Margins.

## II. UNITS

Use either SI (MKS) or CGS as primary units. (SI units are strongly encouraged.) The SI unit for magnetic field strength  $H$  is A/m.)” An exception is when English units are used as identifiers in trade, such as “3½ in 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 in an equation.

## III. FIGURES AND TABLES

Large figures and tables may span both columns. Place figure captions below the figures; place table titles above the tables. Please do not include captions as part of the figures. Do not put captions in "text boxes" linked to the figures. Do not put borders around the outside of your figures.

Table 1 Units For Magnetic Properties

No vertical lines in table. Statements that serve as captions for the entire table do not need footnote letters.

<sup>a</sup>Gaussian units are the same as cgs emu for magnetostatics; Mx = maxwell, G = gauss, Oe = oersted; Wb = weber, V = volt, s = second, T = tesla, m = meter, A = ampere, J = joule, kg = kilogram, H = henry.

Fig. 2. Torque characteristics versus rotor position and different current density of exciting current: 6/6 stator/rotor

$$\int_0^{r_2} F(r, \varphi) dr d\varphi = [\sigma r_2 / (2\mu_0)] \int_0^\infty \exp(-\lambda |z_j - z_i|) \lambda^{-1} J_1(\lambda r_2) J_0(\lambda r_1) d\lambda. \quad (3)$$

### B. Units

Use either SI (MKS) or CGS as primary units. (SI units are strongly encouraged.) English units may be used as secondary units (in parentheses). **This applies to papers in data storage.** For example, write “15 Gb/cm<sup>2</sup> (100 Gb/in<sup>2</sup>).” An exception is when English units are used as identifiers in trade, such as “3½ in 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 in an equation.

The SI unit for magnetic field strength  $H$  is A/m. However, if you wish to use units of T, either refer to magnetic flux density  $B$  or magnetic field strength symbolized as  $\mu_0 H$ . Use the center dot to separate compound units, e.g., “A·m<sup>2</sup>.”

## V. REFERENCE AND CITATION

Number citations consecutively in square brackets [1]. The sentence punctuation follows the brackets [2]. Multiple references [2], [3] are each numbered with separate brackets [1]-[3]. When citing a section in a book, please give the relevant page numbers [2]. 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: "Reference [3] shows ..."

The Reference list must appear numbered in square brackets in the last (non numbered) section and should have the following structure:

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- Title of the work or article
- Journal, conference, book or thesis, in italics
- Publisher, in the case of books
- Page numbers if necessary (example: pp.32-36)
- Place and date of publication (with books and theses, the year of publication is sufficient).

## ACKNOWLEDGMENT

The preferred spelling of the word "acknowledgment" in American English is without an "e" after the "g." Use the singular heading even if you have many acknowledgments. Avoid expressions such as "One of us (S.B.A.) would like to thank ... ." Instead, write "F. A. Author thanks ... ." **Sponsor and financial support acknowledgments are placed in the unnumbered footnote on the first page.**

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The second paragraph uses the pronoun of the person (he or she) and not the author's last name. It lists military and work experience, including summer and fellowship jobs. Job titles are capitalized. The current job must have a location; previous positions may be listed without one. Information concerning previous publications may be included. Try not to list more than three books or published articles. The format for listing publishers of a book within the biography is: title of book (city, state: publisher name, year) similar to a reference. Current and previous research interests ends the paragraph.

The third paragraph begins with the author's title and last name (e.g., Dr. Smith, Prof. Jones, Mr. Kajor, Ms. Hunter). If a photograph is provided, the biography will be indented around it. The photograph is placed at the top left of the biography. Personal hobbies will be deleted from the biography.