Instructions for the Preparation of the Two-Pages Short Paper for IEEE AIM 2016 Bormio, Italy

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***Abstract*—These instructions provide you with the basic guidelines for preparing the two-pages short paper for the IEEE Advanced on Magnetics Conference AIM 2016, which will be held in Bormio, Italy, March 14 – March 16, 2016. Accepted papers will be included in the conference record. The conference record will be produced by photo-offset reproduction of the material prepared by the authors. Please carefully follow these instructions to ensure legibility and uniformity of papers in the conference record.**

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

I. Usage of this File

This file, AIM2016_Shortpaper_Instruction.doc is provided for the preparation of the two-pages short paper for AIM 2016. The general layout of the two-pages short paper, the submission information, details and other useful hints can be found here. You can type over the sections of this file or cut and paste from another document and then use the indicated styles. The pull-down style menu is at the left of the Formatting Toolbar at the top of your Word window. Highlight a section that you want to designate with a certain style; then select the appropriate name on the style menu. The style will adjust your fonts and line spacing. To insert images in Word, position the cursor at the insertion point and either use Insert > Picture > From File or copy the image to the Windows clipboard and then use Edit > Paste Special > Picture (with "Float over text" unchecked). After completing your one-page digest, you will need to convert it to PDF format.

II. Layout of the Two-pages Short Paper

Please prepare the camera–ready copy of your short paper on A4 paper (21.0cm x29.7cm). Please use Times New Roman typeface and following the type size specified in Table I as closely as possible.

TABLE I
TYPES SIZES FOR CAMERA-READY PAPERS

Item	Type Size (points)	Appearance
Title	17	Bold
Author's Name	11	Regular
Author's Affiliations ,mailing address, and E-mail	10	Regular
Abstract	9	Bold
Sections Titles	10	Small capitals, centered in column, Roman Numerals
Subheadings	10	Italics, alphabetical numerals
Main Text	10	Regular
Subscripts and Superscripts in the Main Text	8	Regular
Equations	10	Regular
Figure Title	8	Regular, centered in column, Arabic numerals
Table Title	8	Small capitals, title case, centered in column, Roman numerals
Table Text	8	Regular
Subscripts and Superscripts in Table Text	6	Regular
References	8	Regular

III. Useful Hints

A. Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CCG, ac, and dc do not have to be defined. Don't use abbreviations in the title.

B. Figures and tables

Place figures and tables in the middle of columns. Figure captions should be centered below the figures; table captions should be centered above the tables. Please use words rather than symbols to label the axis. Put units in parentheses. Do not label axes only with units. As in Fig. 1, for example, write "Magnetization (A/m)" or "Magnetization ($A \cdot m^{-1}$)," not just "A/m." Do not label axes with a ratio of quantities and units. For example, write "Temperature (K)," not "Temperature/K." Multipliers can be especially confusing. Write "Magnetization (kA/m)" or "Magnetization (10^3A/m)." Figure labels should be legible, approximately 8 to 12 point type when reduced to column width. Note that "Fig." is abbreviated. There is a period after the figure number, followed by two spaces.

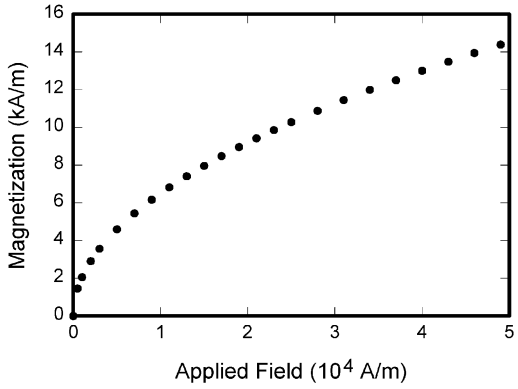


Fig. 1. Magnetization as a function of applied field

C. Equations

Use either the Microsoft Equation Editor or the *MathType* add-on for equations in your digests. Number equations consecutively with equation numbers in parentheses flush with the right margin, as in (1). First use the equation editor to create the equation. Then select the "Equation" markup style. Press the tab key and write the equation number in parentheses. To make your equation more compact, you may use the solidus (/), the exp function, or appropriate exponents. Use parentheses to avoid ambiguities in denominators. Punctuate equations when they are part of a sentence, as in

$$B_x = \frac{\partial A}{\partial y} = \frac{1}{2\Delta_e}(r_1 A_1 + r_2 A_2 + r_3 A_3)\,. \qquad (1)$$

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

Please confine equations to one column width and break equations at appropriate algebraic symbols.

D. Units

Use either SI (MKS) or CGS as primary units. SI units are strongly recommended. Avoid combining SI and CGS units, such as current in amperes and magnetic field in oersteds. If you must use mixed units, clearly state the units for each quantity in an equation.

E. Conclusion

A conclusion section is not required. Although a conclusion may review the main points of the paper, do not replicate the abstract in the conclusion. A conclusion might elaborate on the importance of the work or suggest applications and extensions.

F. References

Number citations consecutively in square brackets [1]. The sentence punctuation follows the brackets [2]. Multiple references [2], [3] are each numbered with separate brackets [2]-[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. Papers that have not been published should be cited as "unpublished" [4]. Papers that have been submitted for publication should be cited as "submitted for publication" [5]. Paper that have been accepted for publication but not yet specified for an issue should be cited as "to be published" [6]. Please give affiliations and address for private communications [7].

Use a space after authors' initials. Capitalize only the first word in a paper title, except for proper nouns and element symbols. If you are short of space, you may omit paper titles.

G. Language

The use of grammar and spelling checker is strongly recommended. It is also suggested that you get the digest proof read by a native English-speaking colleague if you native language is not English.

IV. Conference and Paper Submission Information

The IEEE AIM 2016 "Call for Papers" is available on the conference website, http://aim2016.tr.unipg.it/, where the list of the Technical Sessions of AIM 2016 is included. Short papers are required in a two-page double-column format. The deadline for the digest submission is **November 29, 2015**.

To send a short paper enter http://sites.ieee.org/italy/2016-ieee-AIM-short-paper-submission.

The short pages must be send in .doc and .pdf format to the e-mail address aim2016@ieeesezioneitalia.it indicating in the object "AIM 2016 short paper submission – corresponding author name". The files must be named AIM2016_authorname.

All contributions will undergo peer review to determine their suitability for the inclusion in the conference record. Notification of acceptance will be given on **December 16, 2015**. Authors who are interested in submitting their papers for the possible publication in

- Journal of Magnetism and Magnetic Materials,
- Physica B,
- Medical Engineering & Physics,
- IEEE Magnetic Letters

must submit the full paper on-line on the conference web site before **March 14, 2016** , following the instructions reported there.

Questions concerning the preparation of the two-pages short papers may be addressed to **AIM 2016 Secretariat** aim2016@ieeesezioneitalia.it

References

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