

# Preparation of Papers for the IACAS Conference

First A. Author\* and Second B. Author<sup>†</sup>

*Business or Academic Affiliation, City, Zipcode, Country*

Third C. Author<sup>‡</sup>

*Another Business or Academic Affiliation, City, Zipcode, Country*

**These instructions give you guidelines for preparing papers for the Israel Annual Conference on Aerospace Sciences - IACAS. Use this document as a guide if you are using L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. Otherwise, use this document as an instruction set. Do not cite references in the abstract. The footnote on the first page should list additional information, such as the job title, department, e-mail address, etc. for each author.**

## I Introduction

This document is a L<sup>A</sup>T<sub>E</sub>X template. The `iacas` class uses Computer Modern (CM) fonts, which are part of any standard T<sub>E</sub>X installation. Use the L<sup>A</sup>T<sub>E</sub>X files for formatting purposes, but please see `author_guide.pdf` for specific layout instructions. Authors will first need to save the `iacas` files (`iacas.cls` and `iacas.bst` provided with this distribution) to their working directory or install them into their T<sub>E</sub>X distribution.

## II Procedure for Paper Submission

All manuscripts are to be submitted electronically via the IACAS submission site at [controls.papercept.net](http://controls.papercept.net). If there are problems submitting the paper please contact the Secretary of the Program Committee quoting the submission number so it can be easily traced.

## III Detailed Formatting Instructions

### III.A Document Text

The default font for IACAS papers written in L<sup>A</sup>T<sub>E</sub>X is 12-point Computer Modern (CM).

### III.B Title, Authors' Names, and Affiliations

The title of your paper should be coded as `\title{Paper Title}`. It will be type set automatically in capitals and centered at the top of the page. The names of the authors, business or academic affiliation, city, and country should follow on separate lines below the title. The names of authors with the same affiliation can be listed on the same line above their collective affiliation information. The authors' names, contact information,

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and affiliation is coded within L<sup>A</sup>T<sub>E</sub>X's standard `\author` using `tabular` environment conventions and the `\thanks` and `\and` commands. The affiliation line for each author includes the author's city, zip/postal code and country. The contact information for each author is given by the `\thanks` command and could include the job title, department name, and e-mail address. Author names are centered, and affiliations are centered and in italic type. The title is created by the `\maketitle` command. For example,

```
\documentclass{iacas}
\title{Paper Title}
\author{%
  Moshe Levi \thanks{Professor. Email: moshe.levi@technion.ac.il.}
  and Haim Cohen
  \thanks{Graduate Student. Email: haim.cohen@technion.ac.il.} \\
  {\itseries Faculty of Aerospace Engineering, Technion, Haifa,
  32000, Israel} \\
  \and
  Someone Else\thanks{Job Title, Department, E-mail.}\\
  {\itseries Another Business or Academic Affiliation, City,
  Zipcode, Country}
}
\begin{document}
\maketitle
```

### III.C Headings

IACAS conference style defines 3 levels of section headings:

Level 1 heading (`\section`): bold, larger font, centered, and numbered with Roman numerals.

Level 2 heading (`\subsection`): bold, flush left, and numbered with capital letters. No opening paragraph indentation.

Level 3 heading (`\subsubsection`): italic, flush left, and numbered with Arabic numbers (e.g., 1, 2, 3). No opening paragraph indentation.

### III.D Abstract

The abstract should appear at the beginning of your paper. It should be one paragraph long (not an introduction) and complete in itself (no reference numbers). It should indicate subjects dealt with in the paper and state the objectives of the investigation. Newly observed facts and conclusions of the experiment or arguments discussed in the paper must be stated in summary form; readers should not have to read the paper to understand the abstract.

### III.E Footnotes

Footnotes, where they appear, should be placed above the 1-inch margin at the bottom of the page. To insert footnotes, use `\footnote{}` as normal. Footnotes are formatted automatically in `iacas.cls`, but if another medium is used, they should appear in as superscript lower case letters. When adding notes to tables, e.g., as accommodated by the `threeparttable` package, the symbols should be in the sequence \*, †, ‡, §, ¶, ||, \*\*, ††, and so forth. This sequence should begin anew with each table.

### III.F References

List and number all bibliographical references at the end of the paper. Corresponding numbers in square brackets are used to cite references in the text using the `\cite{}` command [1]. Multiple citations are sorted and punctuated automatically through the `iacas`’s use of the `cite` package. Separate reference numbers are shown with commas [1–3] and ranges are separated by an en-dash [1,2,4]. Reference citations in the text should be in numerical order, which is assured by using `BIBTEX`.

In the reference list, give all authors’ names; do not use “et al.” unless there are six authors or more. Papers that have not been published should be cited as “unpublished”; papers that have been submitted or accepted for publication should be cited as “submitted for publication.” Private communications and personal Web sites should appear as footnotes rather than in the reference list.

References should be cited according to the standard publication reference style. (For examples, see the “References” section of this template.) This is facilitated by the `BibTEX` database and a style file, `iacas.bst`. As a rule, all words are capitalized except for articles, conjunctions, and prepositions of four letters or fewer. Names and locations of publishers should be listed; month and year should be included for reports and papers.

In the Reference section at the end of this guide you can see some samples of bibliography entries of various type (articles, books, etc.) Not all of those references were used in this text. The entire list, included in the `bibtex.database.bib` sample file, was generated using the `\cite{*}` command. []

### III.G Images, Figures, and Tables

All artwork, captions, figures, graphs, and tables will be reproduced exactly as submitted. Be sure to position any figures, tables, graphs, or pictures as you want them printed.

Place figure captions below all figures; place table titles above the tables.<sup>a</sup>If your figure has multiple parts, include the labels “a),” “b),” and so on, below each subfigure and above the figure caption. This can be accomplished with the `subfigure` package. Please verify that the figures and tables you mention in the text actually exist by using `LATEX`’s `\label` and `\ref` mechanisms and verifying that there are no undefined references during typesetting.

Figures and tables are referred to as ‘Floats’ in `LATEX`, reflecting their floating nature. They are typically numbered whether or not they have a caption and they are floated to the first available position near the first reference to that figure/table within the text. This is accomplished by placing the figure/table environment after their first reference. By default, floats are placed at the top of the first available page, the bottom of the page, or one a page consisting entirely of floats.

Table 1 was typeset using the `threeparttable` package (see `author_guide.tex` for specifics).

### III.H Equations

Equations are centered and numbered consecutively, with equation numbers in parentheses flush right. Several examples of such equations are:

$$L(\mu; t, x, z) = \frac{1}{2\pi} \int_{-1}^{\infty} \frac{\partial \mu(t, x')}{\partial x'} \frac{(x - x') dx'}{(x - x')^2 + z^2}, \quad (1)$$

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<sup>a</sup>Please do not include captions as part of the figure image itself.

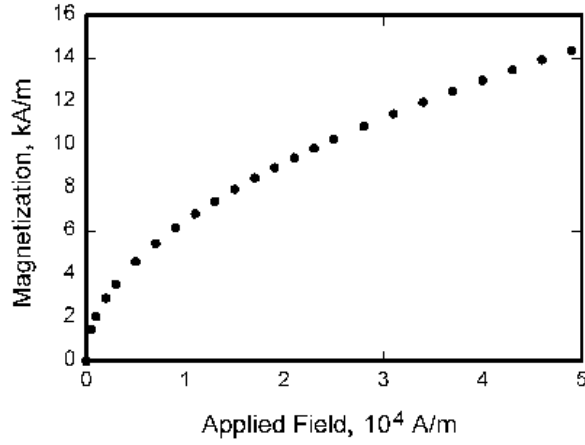


Figure 1. Magnetization as a function of applied field. This figure demonstrates the dangers of using a bitmap as opposed to a vector image.

Table 1. This is an example of a threeparttable which uses the dcolumn package to allow for columns to be aligned on decimal points.

First head <sup>*</sup>	Second head	Third head	$V_M(r)$
center	doctor	0.2	10.55
tab	dentist	0.15	33.12
worse	man <sup>†</sup>	10.58	45.10
better	home	43.9	12.34

<sup>\*</sup> This is a table footnote, which to span multiple lines, has been greatly extended in length contrary to reason.

<sup>†</sup> A much shorter table footnote.

$$\mathbf{J}_i \cdot \Delta \underline{x}_{i+1} = -\underline{f}_i, \quad (2)$$

and

$$I_0(x) = \sum_{n=0}^{\infty} \left( \frac{x^n}{2^n n!} \right)^2. \quad (3)$$

### III.I Page Numbering

Please don't number the pages of the manuscript. It will be done automatically by the system.

### III.J General Grammar and Preferred Usage

Use only one space after periods or colons. Hyphenate complex modifiers: “zero-field-cooled magnetization.” Avoid dangling participles, such as, “Using Eq. (1), the potential was calculated.” [It is not clear who or what used Eq. (1).] Write instead “The potential was calculated using Eq. (1),” or “Using Eq. (1), we calculated the potential.”

Use a zero before decimal points: “0.25,” not “.25.” Use “cm<sup>3</sup>,” not “cc.” Indicate sample dimensions as “0.1 cm × 0.2 cm,” not “0.1 × 0.2 cm<sup>2</sup>.” The preferred abbreviation for “seconds” is “s,” not “sec.” Do not mix complete spellings and abbreviations of units:

use “Wb/m<sup>2</sup>” or “webers per square meter,” not “webers/m<sup>2</sup>.” When expressing a range of values, write “7 to 9” or “7–9,” not “7 9.”

A parenthetical statement at the end of a sentence is punctuated outside of the closing parenthesis (like this). (A parenthetical sentence is punctuated within parenthesis.) In American English, periods and commas are placed within quotation marks, like “this period.” Other punctuation is “outside”! Avoid contractions; for example, write “do not” instead of “don’t.” The serial comma is preferred: “A, B, and C” instead of “A, B and C.”

If you wish, you may write in the first person singular or plural and use the active voice (“I observed that...” or “We observed that...” instead of “It was observed that”). Remember to check spelling. If your native language is not English, please ask a native English-speaking colleague to proofread your paper.

The word “data” is plural, not singular (i.e., “data are,” not “data is”). The subscript for the permeability of vacuum  $\mu_0$  is zero, not a lowercase letter “oo.” The term for residual magnetization is “remanence”; the adjective is “remanent”; do not write “remnance” or “remnant.” The word “micrometer” is preferred over “micron” when spelling out this unit of measure. A graph within a graph is an “inset,” not an “insert.” The word “alternatively” is preferred to the word “alternately” (unless you really mean something that alternates). Use the word “whereas” instead of “while” (unless you are referring to simultaneous events). Do not use the word “essentially” to mean “approximately” or “effectively.” Do not use the word “issue” as a euphemism for “problem.” When compositions are not specified, separate chemical symbols by en-dashes; for example, “NiMn” indicates the intermetallic compound Ni<sub>0.5</sub>Mn<sub>0.5</sub> whereas “Ni–Mn” indicates an alloy of some composition Ni<sub>x</sub>Mn<sub>1–x</sub>.

Be aware of the different meanings of the homophones “affect” (usually a verb) and “effect” (usually a noun), “complement” and “compliment,” “discreet” and “discrete,” “principal” (e.g., “principal investigator”) and “principle” (e.g., “principle of measurement”). Do not confuse “imply” and “infer.”

Prefixes such as “non,” “sub,” “micro,” “multi,” and “ultra” are not independent words; they should be joined to the words they modify, usually without a hyphen. There is no period after the “et” in the abbreviation “et al.” The abbreviation “i.e.,” means “that is,” and the abbreviation “e.g.,” means “for example” (these abbreviations are not italicized).

## IV Conclusion

The paper should end with a conclusion (or summary) section. Although the conclusions may review the main points of the paper, do not replicate the abstract as the conclusions. The conclusions should elaborate on the importance of the work or suggest applications and extensions.<sup>b</sup>

## Acknowledgments

The preferred spelling of the word “acknowledgment” in American English is without the “e” after the “g.” Avoid expressions such as “One of us (S.B.A.) would like to thank...[.]” Instead, write “F. A. Author thanks...[.]” Sponsor and financial support

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<sup>b</sup>The conclusion section is the last section of the paper that should be numbered. Acknowledgments, appendix (if present), and references should be listed without numbers.

acknowledgments are also to be listed in the acknowledgments section.

## Appendix

An appendix, if needed, should appear after the acknowledgments. Use the ‘starred’ version of the `\section` commands to avoid section numbering.

## References

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