

# International Journal of Japan Association for Management Systems (IJAMS) For L<sup>A</sup>T<sub>E</sub>X2e

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## Abstract

*This document is a guideline to producing a camera-ready manuscript to submitted to IJAMS (International Journal of Japan Association for Management Systems), and demonstrates how to set the page-style and how to use special class files (ijams\_article.cls) on the L<sup>A</sup>T<sub>E</sub>X2e system. We recommend that the source file of manuscript is created based on this file. Futher the manuscript is created by compiling by using the source file, ijams\_article.cls class file.*

**Key words:** IJAMS, ijams\_guideline.tex, ijams\_article.cls, L<sup>A</sup>T<sub>E</sub>X2e twocolumn

## 1 Introduction

This document introduces how to write your paper using our template files, and provides some useful information to authors of papers. Submission of a manuscript is considered on the understanding that it contains original unpublished work and has not been submitted for publication elsewhere. Only electric submission is available. (electric submission) Send a PDF file by email to IJMS@starfox.is.oit.ac.jp. The manuscript should be prepared using L<sup>A</sup>T<sub>E</sub>X2e with IJAMS class file by the authors.

- We prepared a style file ijams.sty for L<sup>A</sup>T<sub>E</sub>X2e, please use the latest version.
- Manuscript must be in English and should generally not exceed 10 pages typed on one side of A4. The standard is six pages in length, including figures, tables and references.
- Your paper should be submitted as a source file and pdf file.

## 2 Page Style

- Paper size: A4 format
- Paper formatting: Refer to this guideline format. Double-column, single-spaced, 10pt Times font for LaTeX.

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- If you include figures, the resolutions should be as high as possible.

## 3 Page Layout

### 3.1 Heading

Title page should have the following information: (i) the title; (ii) the name(s) and institutional affiliation(s) of the author(s); (iii) an abstract of less than 300 words; (iv) keywords. The corresponding author should be shown. The complete mailing address (including e-mail address if any) of the corresponding author should be given on the same sheet.

### 3.2 For L<sup>A</sup>T<sub>E</sub>X2e

- **documentclass** is "article" with twocolumn.
- **ijams.sty** is required for our manuscript format.
- Please describe a command "\balance" at the end of manuscript for the balance of two columns.
- Refer to the source of this document for the detail of the page size and layout of title page.

### 3.3 Figures and Tables

Figures should be inserted at the appropriate place in your text. You can use the graphicx package for a floating fig-

ure. Figures may extend over the two columns, up to 16.5 cm if necessary. An example EPS figure is shown in Fig. 1. You may have any available figure format, e.g., PDF, JPG.

Table 1: Example of table

Line		
1	2	3
1,1	1,2	1,3
2,1	2,2	2,3
3,1	3,2	3,3

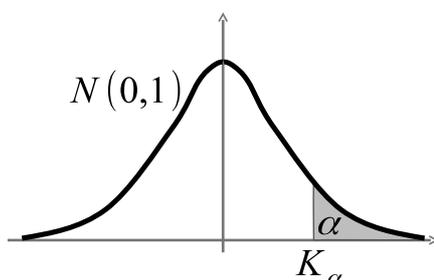


Figure 1: Example of figure

Tables should also be inserted at the appropriate point in your text, and they may also extend over the two columns up to 16.5 cm if necessary. An example of a table is shown in Table 1.

Position figures and tables near the first reference of the figure or table in the text. Please avoid long captions in figures and tables.

Figures (Tables) should be numbered consecutively, have self-explanatory captions (titles), and be inserted in the text. Tables do not need vertical lines.

### 3.4 Mathematical Formulas

For numbered display formulas, use “equation” or “eqnarray.” Equation (1) is produced using “eqnarray.”

$$S = \sum_{k=1}^{n-1} \sum_{j=k+1}^n \operatorname{sgn}(x_j - x_k) \quad (1)$$

$$\operatorname{sgn}(\theta) = \begin{cases} 1 & \theta > 0 \\ 0 & \theta = 0 \\ -1 & \theta < 0 \end{cases},$$

where  $n$  is the number of data.

However, it is recommended that you do not number an equation if it will not be cited in your paper.

Futher formulae referred to in the paper should be displayed on a separate line and numbered consecutively throughout such as (1) or (1.1) on the right.

### 3.5 Balance of Last Page

In order to balance the columns on the last page, a command, `\balance`, must be given somewhere within the first column of the last page. Again, please put `\balance` **in the first column of your last page**. For example, with this sample file, we put it at the end of [3] in the references.

### 3.6 References

References should appear in the text as numbers in brackets, such as [1] or [1, 2] and be listed at the end of the article according to the sequence they appear in the text. Reference labels should be unique. For multiple citations, you can use `\cite{ref1,ref2}` instead of `\cite{ref1}`, `\cite{ref2}`. Journal names should be written in full. For a paper in a contributed volume see [1]; a journal paper [2]; and a book [3]:

## 4 Page charge and Copy right

Page charge must be paid by authors for the publication of their papers. For members of JAMS, the page charges depend on the page length of the published paper (25,000 yen within 6 pages; 15,000 yen per page for excess pages). If the corresponding author is not an JAMS member, the page charges call for the fixed amount of 10,000 yen in addition to the standard length-dependent page charges applicable to JAMS members. The page charges include 100 free reprints for each paper. Detailed instructions will accompany the proofs.

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## ACKNOWLEDGMENTS

Acknowledgments are placed in a separate section at the end of the paper, before the References. You can use an unnumbered section.

`\section*{ACKNOWLEDGMENTS}`

## References

- [1] S. Fujishige: Linear and nonlinear optimization problems with submodular constraints. In M. Iri and K. Tanabe (eds.): *Mathematical Programming . Recent Development and Applications* (KTK Scientific Publishers, Tokyo, 1989), 203-225.
- [2] H. Ishii and Y. L. Lee: Stochastic Facility Construction Problem. *International Journal of Japan Associations for Management Systems*, **1** (2009), 3-9.
- [3] H. Takagi: *Queueing Analysis: A Foundation of Performance Evaluation, Vol. 1: Vacation and Priority Systems, Part 1* (North-Holland, Amsterdam, 1991).

## A example of document Headings

```
\documentclass[twocolumn]{ijams_article}%%% (ijams_article.cls required)

\title{International Journal of Japan Association \\  
for Management Systems (IJAMS) For \LaTeX2e}

\author{
AAAAA AA$^a$
\thanks{corresponding author: aaaaa@bbb.ccccc.ac.jp}
\and
BBBBB BB$^a$
\and
CCCCC CC$^b$
}

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$^a$Department of Management Systems,Tokyo Keiei University, \\  
*****,Tokyo, 111-1111 Japan\\
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}

\abst{content of abstract less than 300 words}

\key{KeywordA, KeywordB, Keyword3}

\begin{document}
\maketitle

###
###content of document###
###

%%%%%%%%%%%%%% Please put \balance in your last page.
\balance
%%%%%%%%%%%%%%

\end{document}
```