

Template for the final version of JOBIM proceedings

L^AT_EX 2_ε version

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Abstract *The abstract of the paper (optional for short contributions) must be typeset in italic, with Times New Roman 11-point fonts. The left and right margins must be set to 3cm. The keywords must be typeset in regular, with Times New Roman 11-point fonts. The left and right margins must be set to 3cm.*

Keywords Some keywords, important, relevant.

Modèle pour la version finale des actes de JOBIM

Version L^AT_EX 2_ε

Résumé *Le résumé du papier (optionnel pour les contributions courtes) doit être typographié avec la police italique « Times New Roman » en 10 points. Les marges gauche et droite doivent être à 3cm du bord de la feuille.*

Les mots-clés doivent être typographiés avec la police régulière « Times New Roman » en 10 points. Les marges gauche et droite doivent être à 3cm du bord de la feuille.

Mots-clefs Les mots-clés, importants, significatifs.

1 Introduction

This is the L^AT_EX template for JOBIM 2010 proceedings. Please do not modify or alter in any way the style sheets provided in this document. A paper disregarding the format described in this document will be rejected (even if it was previously accepted by the program committee).

Use Helvetica bold 14-point fonts for the title, Helvetica bold 12-point fonts for the subtitle, Times New Roman 11-point for the name(s) of the author(s) and the keywords, Times New Roman 10-point for the address(es), and Courier 10-point for the email(s). Please typeset the last name(s) of author(s) in small caps, starting with an uppercase first letter.

For the main text, use Times New Roman 11-point type and 6-point spacing between paragraphs. Italics may be used to emphasise words in running text. With these sizes, the interline distance should be set so that around 50 lines occur on a full-text page.

Note that the length of long papers must not exceed 8 pages, whereas short papers must not exceed 2 pages (see long/short class options, Section 4 on the following page).

If you write your text in french, please use:

```
\selectlanguage{français}
```

2 Document Structure (Helvetica 12-point type, Bold)

The text must be typeset within two columns, the vertical and horizontal margins must be set to 2cm each, with no binding offset. You can provide the showframe option the L^AT_EX 2_ε class to see the page layout.

Notice that the title, the list of authors, the abstract and the keywords span over the two columns.

Title, subtitle, abstract and keywords do must be written in English (even for French written papers).

French versions of the title, the subtitle, the abstract and the keywords are required only for french written papers and complete English versions. They must be included in a 17cm width dark blue (RGB: 0, 0, 128) frame. They must be typeset with the same font as the English version, with respective sizes 12points, 11points, 10points and 10points.

Les titre, sous-titre, résumé et mots-clés doivent être écrits impérativement en anglais (même pour les articles en français).

Les versions françaises du titre, du sous-titre, du résumé et des mots clés sont requises uniquement pour les contributions écrites en français et viennent en complément des versions anglaises. Elles doivent être incluses dans un cadre bleu foncé (RVB : 0; 0; 128) de 17cm de large. Ils doivent être dactylographiés avec la même police que pour la version anglaise, avec des tailles respectives de 12 points, 11 points, 10 points et 10 points.

2.1 Headings and Sub-headings (Helvetica 11-point type, Bold)

First, second (and if required third) level headings should be capitalised (*i.e.*, nouns, verbs, and all other words except articles, prepositions, and conjunctions should be set with an initial capital) and should, with the exception of the title, be aligned to the left. You have to use the numbering style given in this template (*i.e.*, 2.1, 2.2, etc.). For the First level use Helvetica 12-point type, Bold, for the second level and if required the third use Helvetica 11-point type, Bold.

2.2 Page Numbering

Pages can be numbered (and have a header) if and only if it goes outside the page layout (see `showframe` class option, Section 4). The paper will be cropped to the frame for the final pagination by the editors of the proceedings.

2.3 Figures and Photographs

Please produce your figures such that they well display in black & white mode, and integrate them into your text file. Please note that no figure will be taken in account if not integrated in your text file.

Check that in line drawings, lines are not interrupted and have constant width. Grids and details within the figures must be clearly readable and may not be written one on top of the other. Line drawings should have a resolution of at least 600dpi (preferably 1200dpi). The lettering in figures should have a height of 2mm (11-point type). Figures should be numbered and should have a caption which should always be positioned under the figures. The final sentence of a caption should end with a period. Please center the captions between the margins and set them in Times New Roman 10-point font (Fig. 1 shows an example). The distance between text and figure should be 10 points, the distance between figure and caption should be 12

points. Again, if you use the style sheets provided in this file, everything should be okay (a style is provided for the figures too).

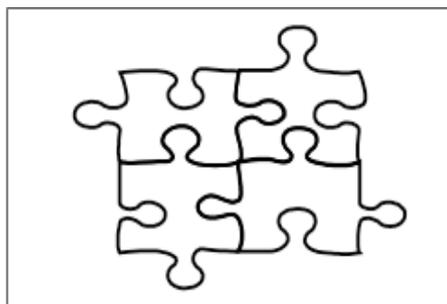


Fig. 1. Old JOBIM puzzle (end of the 20th century).

To ensure that the reproduction of your illustrations is of reasonable quality we advise you not to use any colors. The contrast should be as pronounced as possible. This particularly applies for screenshots.

2.4 Tables

Table content should be in Times New Roman 10-point font as well as their captions. The rules used for the figures are also applied for the tables (see Tab. 1 for example). Please note that no table will be taken in account if not integrated in your text file.

	Col.1	Col.2	Col.3	Col.4	Col.5	Col.6
Row 1						
Row 2						
Row 3						
Row 4						

Tab. 1. Example of a plain, dull, ordinary table for JOBIM.

3 Citations

The list of references is headed *References*⁴, it should be placed at the end of your contribution. It should be in Times New Roman 10-point font. Please do not insert a page break before the list of references if the page is not completely filled. For citations in the text, please use square brackets [1] and consecutive ordered numbers [2,3] (not [3,2]) in list of references. Here are examples on how to format references corresponding to articles [1], books [2], book chapters and proceedings [3]. Feel free to use the `abbrv` or `abbrv-fr` BibTeX styles.

⁴ *Références* pour les articles en français.

4 Loaded Packages & Macros Defined by the L^AT_EX 2_ε class

This document is generated using the `jobim2010` class (derived from the `article` class). This class requires and loads the following packages:

- `hyperref` – `graphicx` – `geometry`
- `times` – `fancyhdr` – `babel` (with `english`
- `color` – `fancybox` and french options)
- `xspace` – `indentfirst`

Moreover, five class options are provided: `short`, `long`, `draft`, `final` and `showframe`. The first two options specify whether the contribution is a long paper or a short paper (*i.e.*, whether the abstract and keywords are mandatory). The next two options are just passed to its parent class (`article`), whereas the last option is passed to the `geometry` package.

Finally, several macros and environments are redefined or introduced:

`\title{title}` (required, preamble only) sets the title of the paper.

`\subtitle{subtitle}` (optional, preamble only) sets the subtitle of the paper.

`\titre{titre}` (required for french papers only, preamble only) sets the french version of the title.

`\soustitre{sous-titre}` (required for french papers only when subtitle is set, preamble only) sets the french version of the subtitle.

`\inst{num}` (optional, inside the `\author` macro only) sets the *num* id of the institution for the current author.

`\author{list}` (required, preamble only) sets the list of authors (separated by `\and`) of the paper.

`\institute{list}` (required, preamble only) sets the list of institutions (separated by `\and`).

`\email{email}` typesets an e-mail.

`\session{id}` (optional, preamble only) sets the session, where *id* stands for:

1. Algorithmics and Statistics for Sequence Analysis
2. Evolution, Comparative Genomics, Phylogeny
3. Macromolecular Structures and their Interactions
4. Transcriptomics, Proteomics, Systemic Biology and Biological Networks
5. Biological Knowledge Discovery and Management

`\abstract{abstract}` (required, preamble only) sets the abstract of the paper.

`\keywords{keywords}` (required, preamble only) sets the keywords of the paper.

`\resume{résumé}` (required for french papers only, preamble only) sets the french version of the abstract.

`\motscles{mots-clés}` (required for french papers only, preamble only) sets the french version of the keywords.

`\JobimPaperMaxPages` prints the maximum number of pages allowed for current paper (currently 8).

`\JobimLongPaperMaxPages` prints the maximum number of pages allowed for long papers (currently 8).

`\JobimShortPaperMaxPages` prints the maximum number of pages allowed for short papers (currently 2).

`\jobim` prints JOBIM.

`\JOBIM2010` prints JOBIM 2010 (actually, it should work with any four digit year).

The following list of environment is provided for correctly display the paper: `thebibliography`, `table`, `table*`, `figure`, `figure*`, `theorem`, `lemma`, `definition`, `conjecture`, `claim`, `example`, `exercise`, `proposition`, `property`, `question`, `problem`, `remark` and `solution`.

Acknowledgements

This work is supported by JOBIM 2010.

References

- [1] G. Perrière, C. Combet, S. Penel, C. Blanchet, J. Thioulouse, C. Geourjon, J. Grassot, C. Charavay, M. Gouy, L. Duret and G. Deléage, Integrated databanks access and sequence/structure analysis services at the PBIL. *Nucleic Acids Res.*, 31:3393-3399, 2003.
- [2] F. Bushman, *Lateral DNA Transfer, Mechanisms and Consequences*, Cold Spring Harbor Laboratory Press, New York, 2002.
- [3] V. Daubin, M. Gouy and G. Perrière, Bacterial molecular phylogeny using supertree approach, in H. Matsuda, L. Wong, S. Miyano and T. Takagi (eds.), *Proceedings of the 12th International Conference on Genome Informatics*, Universal Academy Press, Tokyo, pp. 155-164, 2001.