

## Information and formatting of JDOC articles

Author's name  
Mél : first.last@lab-city.edu

**Abstract:** This paragraph lists the constraints you have to follow when write an abstract for the Annual Day of ED MathSTIC. It also gives you an illustration of the set visual style. **In addition to your article, you must write an abstract of your research work. Your abstract must be between 800 and 1500 characters, or between 8 to 15 lines. All submitted abstracts will be consolidated into the Handbook of Abstracts.** The abstract's content must be as accessible as possible. The JDOC organizing committee reminds you to strictly follow these length constraints, and to submit your abstract along with your article before the due date.

**Keywords:** *Must be italicized, JDOC, format, size, page layout, dates.*

**Collaborations :** Academic research organisms, industry partners, work groups.

# 1 JDOC

All articles submitted to JDOC will be read by members of the organizing committee. Students can volunteer to do an oral presentation, but JDOC committee will ultimately decide who gets a spot, depending on the submitted articles. All articles will be gathered into proceedings, which you will receive on the day of the conference. The goal of these proceedings is to widen the knowledge of PhD students by getting them to discover and understand what happens in other domains of the ED MathSTIC. Therefore, each article must present a student's work with a focus on accessibility.

## 1.1 Technical information

Your article must be laid out on A4 paper, in one column, and a maximum length of four pages (including figures, tables and references). It must be written in French or English (mind your spelling).

The article must contain: an abstract (15 lines long at most), keywords, a content, a conclusion and bibliographical references. The following must also appear in the header: doctoral school, doctoral specialty<sup>1</sup>, lab and research team, and your name.

## 1.2 Deadline

We will not accept any article submitted after the paper submission deadline. If you know you will have difficulties meeting the deadline, please contact us beforehand at [jdoc@univ-nantes.fr](mailto:jdoc@univ-nantes.fr).

## 1.3 File name

Your submitted article must be named in the following fashion: "*name\_lab\_papier*.pdf", where

*name*: your name in lower case

*lab*: acronym of your lab in lower case

Example: "dupont\_ls2n\_papier.pdf".

---

<sup>1</sup>As a reminder, the doctoral specialties of ED MathSTIC are:

- AST: Automatique, productive et robotique – Signal, Image, Vision – Télécommunications
- EGE : Électronique - Génie Électrique
- INFO : Informatique
- MI : Mathématiques et leurs Interactions

## 2 Article layout with L<sup>A</sup>T<sub>E</sub>X

L<sup>A</sup>T<sub>E</sub>X users should use the file "jdoc.cls" to comply with the JDOC submission instructions; no extra effort required. New commands are defined to simplify formatting your article. This file defines a new document class L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> that you must include in your document.

### 2.1 How to include the JDOC document class

1. Copy the file "jdoc.cls" into the directory containing your ".tex" article.
2. Include the jdoc class like so:

```
\documentclass[options]{jdoc}
\begin{document}
...
\end{document}
```

The optional parameter `options` can take the usual values (`a4paper`, `10pt`, ...). Depending on the language you want to write your article in (English or French), you should add `en` or `fr`. For instance:

```
\documentclass[en]{jdoc} ⇒ Abstract: blather ..., Keywords: blather ..
```

```
\documentclass[fr]{jdoc} ⇒ Résumé : blather ..., Mots clés : blather ..
```

### 2.2 Additional commands provided by the jdoc class

The additional commands to simplify writing your article are:

<code>\ed{..}</code>	% name of the doctoral school
<code>\spec{..}</code>	% specialty
<code>\labo{..}</code>	% lab
<code>\equipe{..}</code>	% research team
<code>\title{..}</code>	% article title
<code>\author{..}</code>	% your name
<code>\email{..}</code>	% your email address
 <code>\makehead</code>	 % prints the header (ed, spec, % lab, author, title, ...)
 <code>\begin{abstract}... \end{abstract}</code>	
<code>\begin{keywords}... \end{keywords}</code>	

### 2.3 Preloaded packages

The following packages are loaded by the jdoc document class:

<code>\usepackage{amsmath,amsfonts}</code>	% typeset math formulas
<code>\usepackage{mathrsfs,amssymb}</code>	% extra math symbols
<code>\usepackage[utf8]{inputenc}</code>	% accented characters (\'e,\^{a},...)
<code>\usepackage[T1]{fontenc}</code>	% accented characters (\'e,\^{a},...)
<code>\usepackage{graphicx}</code>	% inclusion of images
<code>\usepackage{multicol}</code>	% multi-column support
<code>\usepackage{color}</code>	% colored text
<code>\usepackage[french]{babel}</code>	% for writing in French
<code>\usepackage[english]{babel}</code>	% or if we write in English

for additional information on L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, consult [1].

### 3 Section breakdown

- The abstract must follow the one in this document; no longer than **15 lines**.
- Keywords must be italicized.
- Recall that your article will be read by PhD students from other domains. You must strive to be the as accessible as possible, without losing the scientific fabric of your work. Use images with parsimony.
- Bibliographical references will be listed in the order they appear in the article. They will appear numbered like so: [1][2][3], etc.

### References

- [1] TOBIAS OETIKER. Une courte introduction à latex, disponible à l'adresse <http://www.ctan.org/tex-archive/info/lshort/french/flshort-3.20.pdf>. Technical report.
- [2] J.R. MAUTZ and R.F. HARRINGTON. An e-field solution for a conducting surface small or comparable to the wavelength. *IEEE Trans. AP*, 32:330–339, 1984.
- [3] J.CLERCK MAXWELL. *A treatise on Electricity and Magnetism*, volume 3(2). Oxford : Clarendon, 1982.