

Title of your paper

First Author · Second Author · Third Author · Last Author

Abstract The abstract should summarize the content of the paper, indicating its aim, starting point, original contribution and conclusions (up to 200 words).

1 Introduction

This document briefly describes how to write a manuscript for ELECTRIMACS 2022 Nancy conference.

2 How to prepare your manuscript

2.1 Templates

Authors are kindly invited to use the \LaTeX source file (TEX) or Word templates (DOCX) available on the conference website:

<https://electrimacs2021.sciencesconf.org/>.

The use of \LaTeX is *highly recommended* for manuscript preparation.

This is the template version 1.0 – October 2018.

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2.2 Manuscript information

Authors are kindly asked to prepare their manuscript according to the following specifications:

- Language: English
- Size: A4
- Two columns
- Length: from four (4) to six (6) pages.

2.3 Document size and style

The document margin and column size are summarised in Tab. 1. Font, style and size of titles and texts are reported in Tab. 2.

Table 1 Columns and margins

Parameter	Value
Left margin	15 mm
Right margin	21 mm
Upper margin	30 mm
Lower margin	31 mm
First page upper margin	47 mm
Blank space after authors' line	43 mm
Column width	84 mm
Column separation	6 mm
Figure width	≤84 mm

2.4 Submission of papers

A camera-ready PDF manuscript must be submitted for review through the conference submission system. No other file format is accepted for this initial submission. You will find more information about initial submission on the conference website *Papers > Submission*.

Table 2 Document style

Style	Characteristics
Paper Title	16 pt, bold, left-aligned
Authors' names	10 pt, bold, left-aligned
Affiliation and e-mail	8.5pt, left-aligned in the footnote in column one
Section title	10 pt, bold, left-aligned, hierarchically numbered
Subsection title	10 pt, italic, left-aligned, hierarchically numbered
Main body text	10 pt, justified, single-spaced
Acknowledgements section title	8.5 pt, bold
Acknowledgements body text	8.5 pt, justified
Figure and table title	8.5 pt, bold
Figure and table captions	8.5 pt, justified

2.5 Figure, tables, citations and cross reference

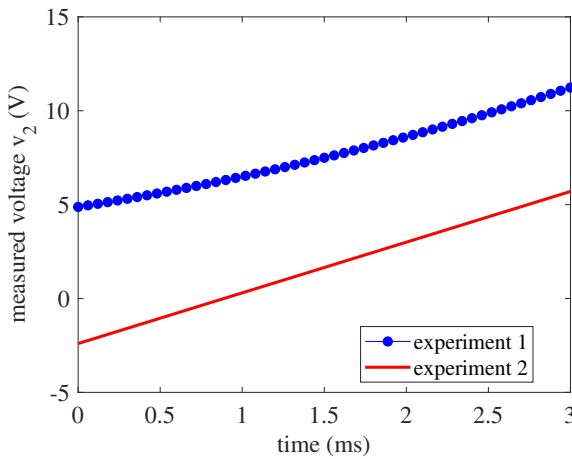


Fig. 1 Please write the caption here. If the caption is long, the text of the caption is justified.

Refer to a figure using Fig. 1, or Fig. 2. Refer to a table using Tab. 1. You can cite an item listed in the Reference section as [1] or [2,3].

2.6 Equations

Equations are left-aligned and numbered as shown below:

$$\left(\frac{R_e}{1-D} + \frac{DT_s}{C_e} \right) \leq \Delta v_{pp}^{max}. \quad (1)$$

Please refer to an equation using (1).

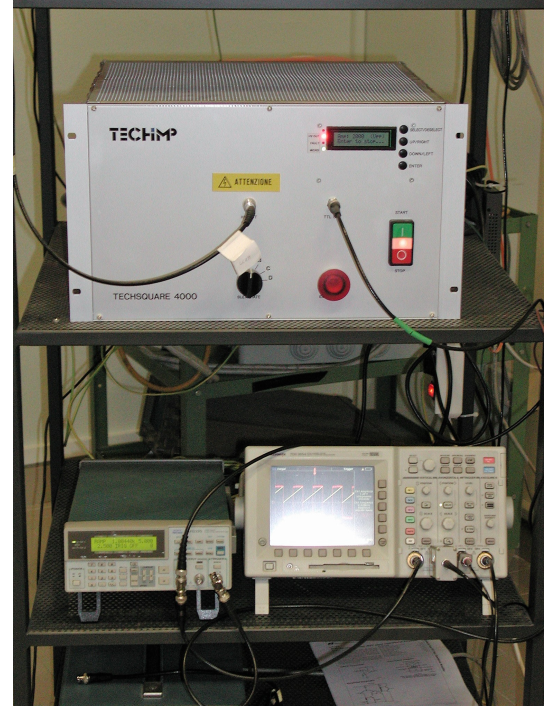


Fig. 2 Experimental setup.

3 Section title

ELECTRIMACS 2022 is an international conference on theory and application of modelling, simulation, analysis, design optimization, identification and diagnostics in electrical power engineering.

3.1 Subsection title

Application of interest include, but are not limited to:

- electric machines and electromagnetic devices
- power electronics
- transportation systems
- smart grids
- electric and hybrid vehicles
- renewable energy systems
- energy storage, batteries, supercapacitors and fuel cells
- wireless power transfer

4 ELECTRIMACS 2022 Topics

4.1 Modelling and simulation of power electronics systems

- Analysis, Emerging materials/Components for power electronics converters
- Electromagnetic compatibility
- Sensors for power electronics converters
- Design and optimisation of power electronics converters

4.2 *Modelling and simulation of electrical machines and electromagnetic device*

- Modeling and simulation of electrical machines
- Modeling and simulation of electromagnetic devices
- Analytic models in electromagnetic devices

4.3 *Control and power management of electrical systems*

- Real time simulation methods
- Modeling and control methods applied to electrical systems
- Hardware in the loop emulation of electrical systems
- Fuel cell systems
- Identification/diagnostic/prognostic techniques applied to electrical systems

4.4 *Microgrids/smart grids*

- Centralised, decentralised and distributed control of microgrids
- Design and optimisation of microgrids systems
- Optimized Power management of microgrids systems
- Forecasting methods

5 Conclusions

Write your conclusions here.

Acknowledgements You can write your acknowledgements here, if necessary.

References

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