ABSTRACT: This is a template demonstrating the style for CERI/ITRN 2022 papers. The length of the paper is limited to **six pages**. The paper should be written in English. It must consist of an abstract, a list of key words, an introduction, one or more main sections, a conclusion, and a list of references. Please carefully follow the guidelines given in this document. Papers not complying with the guidelines will not be included in the proceedings of CERI/ITRN 2022.

Guidelines for CERI/ITRN 2022 papers

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KEY WORDS: CERI/ITRN 2022; Full paper; Sample file.

# General guidelines

Your CERI/ITRN 2022 paper should be formatted in the same way as this sample file. Please follow the same double column layout and do not change margins, font styles or sizes, or heading numbering schemes.

The paper must be written in English [1]. The length of the paper (including references) is limited to **six pages**. The paper must be submitted as a PDF document. The file size should not exceed 5 MB. Headers and footers will be added to the paper by the editors, so please make sure the PDF file is not protected in any way.

The paper must be uploaded on the CERI/ITRN 2022 conference portal https://ceri2022.exordo.com/login/. The deadline for submission is 22nd April 2022. Papers submitted later than this deadline may not be included in the proceedings of CERI/ITRN 2022. The presenting author must register and pay the registration fee before the deadline for the paper to be included in the final program of the conference.

# Structure of the paper

## Title

The title of the paper must be identical to the title of the abstract that has been submitted.

## Authors

A comma-delimited list of authors must be given, with full affiliations in the form Department, Company/Institution, Address, and a comma-delimited list of email addresses.

## Abstract

The abstract must give a summary of the paper. It must include the following elements:

* the motivation for the proposed research
* an outline of the methodology followed
* an overview of the results
* the conclusions.

The length of the abstract is limited to 15 lines. The paper abstract will be used for the book of abstracts of CERI/ITRN 2022 which may be put on the conference website (www.cerai.net). The abstract should therefore be self-contained and it must not refer to the other parts of the paper (such as the list of references).

## Key words

Include a concise list of key words (not more than ten), for example: Bridge dynamics; Concrete durability; Soil Nailing. Key words should be capitalized and separated by semicolons and the list should be terminated by a period.

## Main sections

The main part of the paper should start with an introduction and end with a conclusion. Section and subsection headings should be formatted and numbered as in this example file. The sections *Acknowledgments* and *References* should not be numbered.

## References

A numbered list of references should be provided. Make sure that all references are complete: for journal papers, provide initials, name, journal, volume, number, page numbers, and year; for books, provide initials, name, title, edition, publisher, city, country, and year. The IEEE referencing styles available in Endnote and Mendeley are recommended.

# Equations, figures, and tables

Equations should be centered and the numbering should be right-justified. Here is an example of an equation:

(1)

Use standard symbols and nomenclature. Quantities should be expressed in SI units [2].

Figures and tables should be centered, numbered, and provided with a caption. Figure captions must be placed below the figure, while table captions must be placed above the table. All figures and tables must be explicitly referred to in the text of the paper. Examples are shown in Figure 1 and Figure 2 and in Table 1. If you include photographs or other bitmaps, please make sure that the quality is sufficiently high for printing (at least 150 dpi).

figure1

Figure 1. First sample figure.



Figure 2. Second sample figure.

Table 1. Sample table.

|  |  |  |  |
| --- | --- | --- | --- |
| Mesh size | 60 × 20 | 150 × 50 | 300 × 100 |
| Method 1 | 0.65 | 75.19 | - |
| Method 2 | 0.15 | 0.72 | 1.85 |
| Method 3 | 0.13 | 0.69 | 1.98 |
| Method 4 | 0.13 | 0.78 | 2.18 |

# ACKNOWLEDGMENTS

This optional section contains acknowledgments.

# References

1. J. Simpson and E. Weiner, Eds., *The Oxford English dictionary*, Clarendon Press, Oxford, UK, second edition, 1989.
2. Bureau International des Poids et Mesures, *The international system of units (SI)*, BIPM, Paris, France, eighth edition, 2006.
3. Smith, S. (2009), *Probability-Based Estimation of Vibration for Structures*, PhD Thesis, University of Cork, Ireland.
4. O’Shea, P. (2008), ‘Evaluation of novel interactive load models of vehicle loading on rural bridges’, *Proceedings of 4th Symposium on Bridge and Infrastructure Research in Ireland*, National University of Ireland, Galway, 65-72.
5. Roberts, S., Murphy, J. and Vaughan, O. (2006), ‘Constant and variable toughness and damping of the steel joints’, *Journal of Steel Engineering*, ASCE, August, 125, 502-511.