Title: Please Capitalise the First Letter of Each Principal Word  
(Except “and”, “of”, “the”, etc.)

Author(1), Author(1), Author(2), Author(3)

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**Abstract** Your 45 words abstract, should be an explicit summary of the paper stating the problem, the methods used as well as the major results and conclusions. It should be complementary rather than a repetition of the title. ©2023 The Author(s)

# Sections of a Paper

A conference paper has a clear structure.

The introduction section begins with a paragraph introducing the research and its relevance to the community. Subsequently, the state‑of‑the‑art is given. A “However” passage comments on what the world is still missing, has never done and hence is still waiting for. Finally, a “In this paper” paragraph concisely outlines how these issues have been addressed and what this paper is about.

The paper then continues with a section on the operation principle, the methods, the experiments, the simulations, etc.. Add sections with headings as needed.

The work and results are summarised with the conclusions. This is also the place for a potential outlook.

The paper ends with the acknowledgements and references.

# Formatting of Paragraphs and Styles

Sections should not be numbered unless absolutely necessary. There are several stylistic options pre-defined in this template for you to use. Please stay within the paper formatting guidelines and use the styles provided by this template. The pre-defined options are discussed in the following sections.

# Paper Length

The length of the full paper should not exceed 3 pages. Up to one, additional, fourth page can be used for references.

# References and Footnotes



Fig. 1: A typical figure caption.

References may use a fourth page. This additional page is for references only. Footnotes, should appear as footnotes, and should not be included within the references section.

# Citing prior work

References appear in the text using square brackets like [1], [1-3] or [1,4] following the citation standard. This saves some space, which can come in handy on a 3-page paper.

If multiple papers are cited such as here [1-3] then they are sorted in the order as they were published. The oldest paper is cited first.

# Indent

The first paragraph of a section is without indent (Style: Standard).

The second and all further paragraphs should have an indent (Style: Indented Standard).

# Enumerations

Should you decide for enumerations, here are examples for lists:

* A bullet list including things like this,
* or this,
* or even this.

Of course, you can use an enumeration instead

1. like this,
2. or this,
3. or even this.

# Figures

All fonts used within figures (axes labels, descriptions, etc.) must appear at least at 7 pt in the final figure size. The **resolution of the figures must be high enough** to be easily legible when printed. The **paper must be able to be printed clearly on standard *black-and-white* printers**.

You may use either single-column figures like Fig. 1 or double-column figures like Fig. 2. Subfigures may be used and should by labelled (a), (b), … and referred to in the main text. Please leave sufficient space between figures and text. We recommend the placement of figures on either the top or the bottom of a page to save space. In any case, the figure caption should appear beneath the figure in 8 pt font.

Logo, company name

Description automatically generated

Fig. 2: A typical figure caption with a short text that tells the story “top down”. It shows the skyline of the Glasgow. ECOC logo can also be seen. From left to right one can see (a) the market hall, (b) the ….. .

# Tables

Like figures, tables can be single-column, such as Tab. 1, or double-column, such as Tab. 2. You are free to format the tables to best fit your needs, but suggest sticking as much as possible to the template. Please leave sufficient space between tables and text.

Tab. 1: A typical table caption.

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# Equations

A typical equation should look like this:

Tab. 2: A typical table caption.

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|  | (1) |

When mentioned in the core of the text, all variables should appear as they appear in the equations. In Eq. (1), we derive the relationship between and .

**Please adhere to the general rules for formatting equations as defined by the DIN and the IEEE norms [5].** Here, we summarise some important formatting rules for equations:

* Variables, vectors, matrices, physical constants and self-defined functions should be italic.
* Numbers, labels, abbreviations, units, mathematical constants, operators and standard functions should be roman.
* Values and units should be separated by a space, e.g., “10 km” and not “10km”.

# Filling the Template

This section only contains random text to fill up the Template.

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# Conclusions

Good luck with your submission!

# Acknowledgements

We wish to thank all of you for submitting a paper to ECOC 2023.

# References

An extra page has been given so that citations can be given in full length. Citations must be easy and quick to find. More precisely:

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* The DOI number should be added incl. a link.

1. H. Nyquist, "Certain topics in telegraph transmission theory," *Transactions of the American Institute of Electrical Engineers*, vol. 47, no. 2, pp. 617‑644, 1928, DOI: [10.1109/T-AIEE.1928.5055024](https://doi.org/10.1109/T-AIEE.1928.5055024).
2. F. Delorme, S. Slempkes, G. Alibert, B. Rose, and J. Brandon, “Butt‑jointed DBR laser with 15 nm tunability grown in three MOVPE steps”, *Electronics Letters*, vol. 31, no. 15, pp. 1244–1245, 1995, DOI: [10.1049/el:19950888](https://doi.org/10.1049/el:19950888)
3. R. K. Gupta and S. D. Senturia, “Pull-in time dynamics as a measure of absolute pressure”, in *Procedings IEEE The Tenth Annual International Workshop on Micro Electro Mechanical Systems. An Investigation of Micro Structures, Sensors, Actuators, Machines and Robots (MEMS’97)*, Nagoya, Japan, 1997, pp. 290–294, DOI: [10.1109/MEMSYS.1997.581830](https://doi.org/10.1109/MEMSYS.1997.581830)
4. B. D. Cullity and C. D. Graham, *Introduction to Magnetic Materials,* 2nd ed. Hoboken, NJ: John Wiley & Sons, Inc., 1972. DOI: [10.1002/9780470386323](https://doi.org/10.1002/9780470386323)
5. IEEE Author Center, “IEEE Editorial Style Manual,” <https://journals.ieeeauthorcenter.ieee.org/your-role-in-article-production/ieee-editorial-style-manual/>, accessed on 31 January 2022.
6. N. S. Kapany, "Fiber Optics And The Future," *Proceedings SPIE 0014, Fiber Optics I*, 1968. DOI: [10.1117/12.965331](https://doi.org/10.1117/12.965331)
7. Author(s), “Title of paper,” *Full journal name*, vol. xx, no. yy, pp. xx‑yy, Year. DOI: xx.xxxx/xxxxxxxx
8. Author(s), "Title of paper," presented at *Name of Conference (Abbreviation)*, City, Country, Year. DOI: xx.xxxx/xxxxxxxx
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