

# Abstract pattern – General requirements

Please read these instructions carefully!

**Deadline for submission is 4 March 2025.**

## General instructions:

The number of pages should not exceed **3 pages** and **5 MB**.

**Important: the length of the title is limited to a maximum of 100 characters including spaces.**

Please capitalize the initial letters of your title except prepositions and articles.

Each page should be a single column on European A4 size (210 mm × 297 mm).

The margins have to be set up as follows:

Top margin to the first line:	2.2 cm
Bottom margin to the last line:	3.0 cm
Left margin to the text:	1.7 cm
Right margin to the text:	1.7 cm

Please ensure that all fonts and pictures or tables are embedded in the final PDF-file.

We recommend to use the following abstract pattern to produce your abstract for PCIM Conference.

After your abstract is written please submit your abstract as PDF file online.

## How to L<sup>A</sup>T<sub>E</sub>X:

This document compiles successfully with pdfLaTeX and TeX Live 2024 (generated with Overleaf).

# **Your Title – (max. 100 characters incl. spaces) Please Capitalize the Initial Letters of Your Title Except Prepositions and Articles**

Topic number and topic name

Preferred presentation form: Oral or poster presentation

## **Abstract**

Here you are requested to write the abstract of your paper. The abstract should state briefly and clearly the purpose, methods, results and conclusions of the work. This abstract should not exceed the maximum 100 words.

## **1 Synopsis**

Here, you start to write the synopsis (short form) of the real paper. It consists of an introduction, the body of the text with the different paragraphs, including figures, formula, tables, images and the conclusion.

The synopsis is an extended summary of your work. Start by describing the problem your work addresses. Describe your work and how it contributes to the solution of the problem. Include, if relevant, as much evidence of completed experimental as possible.

The guidelines and requirements for a synopsis submitted to PCIM Conference are:

- Papers must be original material and not have been presented or published previously.
- The synopsis should give a clear and precise statement of the purpose and contribution of the work, specific results and the methods used. Include key equations, figures, tables and experimental results.
- All authors should obtain company and governmental clearance prior to submission of the synopsis.
- Synopses marked or labeled as “Confidential”, “Proprietary” or with similar wording will not be accepted.
- Synopses can be submitted in any version of Adobe Acrobat.pdf
- Number all pages of the synopsis.

## 2 Quick tips

Figures are usually referenced by the abbreviated form with a space between Fig. and the number, i.e., “see Fig. 1”. Only when a sentence begins with the reference, figure is spelled out: “Figure 2 shows the relation between...”.

The same applies to equations, i.e. “As shown in Eq. (1)...” and “Equation (1) describes the relation...”.

$$R_{\text{th}} = \frac{\Delta T}{P_V} = 10 \text{ K/W} \quad (1)$$

The last section in your paper collects the references to literature, listed in the order of appearance in the text. They are marked in the text with the number in square brackets [1].

In the reference list, each publication is given with the list of authors, followed by the title, the name of the conference proceedings or journal, the year of publication and the page numbers. If more than 5 authors are involved [2], the list is reduced to the first 5 authors followed by “et al.”.

Links to web sites should be avoided in the reference list since they are subject to change. References to digital documents should use the ‘Digital Objects Identifier’ (DOI) [3].

References to papers in scientific journals should state the volume of the journal and the year of publication [4].

## 3 This is a 1<sup>st</sup> Order Heading

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### 3.1 This is a 2<sup>nd</sup> Order Heading

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The image shows the text "This is an Image" in a large, bold, blue font. The letters have a 3D effect with a slight shadow and a gradient, giving them a blocky, isometric appearance. The text is centered and occupies most of the width of the page.

**Fig. 1:** This is the caption of an image. It describes the content of the illustration or graph.



**Fig. 2:** This is the caption of an image. It describes the content of the illustration or graph.

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### 3.1.1 This is a 3<sup>rd</sup> Order Heading

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## References

- [1] M. Held, P. Jacob, G. Nicoletti, P. Scacco, and M. .-. Poech, "Fast power cycling test of igbt modules in traction application," in *Proceedings of Second International Conference on Power Electronics and Drive Systems*, vol. 1, May 1997, 425–430 vol.1. DOI: 10.1109/PEDS.1997.618742.
- [2] H. Kabza, H. .-. Schulze, Y. Gerstenmaier, P. Voss, J. W. W. Schmid, *et al.*, "Cosmic radiation as a cause for power device failure and possible countermeasures," in *Proceedings of the 6th International Symposium on Power Semiconductor Devices and Ics*, May 1994, pp. 9–12. DOI: 10.1109/ISPSD.1994.583620.
- [3] J. Lutz, H. Schlangenotto, U. Scheuermann, and R. D. Doncker, *Semiconductor Power Device*, 2nd ed. Springer, 2018. DOI: 10.1007/978-3-319-70917-8.
- [4] S. Ramminger, N. Seliger, and G. Wachutka, "Reliability model for al wire bonds subjected to heel crack failures," *Microelectronics Reliability*, vol. 40, no. 8, pp. 1521–1525, 2000, Reliability of Electron Devices, Failure Physics and Analysis. DOI: [https://doi.org/10.1016/S0026-2714\(00\)00139-6](https://doi.org/10.1016/S0026-2714(00)00139-6).