

# Abstract pattern – General requirements

Please read these instructions carefully.

**Deadline for submission is October 15<sup>th</sup>, 2019.**

## General instructions:

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

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:	2.5 cm
Bottom margin to the last line:	3.5 cm
Left margin to the text:	2.5 cm
Right margin to the text:	2.5 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 Europe.

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

# This is the Title of Your Paper – It Should Not Be Longer than Two Lines

Author's first name and surname<sup>1</sup>, Co-author's first name and surname<sup>1,2</sup>, Co-author's first name and surname<sup>2</sup>, ...<sup>1</sup>

<sup>1</sup> company, country

<sup>2</sup> company, country

Corresponding author: Author's first name and surname, corresponding@author.com

Topic number and topic name

Preferred presentation form: Oral or poster presentation

The Power Point Presentation will be made available after the conference (mandatory for oral speakers).

## Abstract

The abstract gives a condensed summary of the content of your paper. It is a single paragraph formatted in a justified single column. It does not contain references. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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

Physical values in the text are given as a number and a unit, separated by a space, i.e.,  $V_{CE}=1200\text{ V}$ ,  $100\text{ A}$ ,  $\Delta T=15.7\text{ K}$ ,  $150\text{ }^{\circ}\text{C}$ .

Figures are usually referenced by the abbreviated form with a space between Fig. and the number, i.e., “see Fig. 2”. 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. . .”.

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

# This is an Image

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

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].

The reference are aligned to the left without justification on the right.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

## **1.1 This is a 2<sup>nd</sup> Order Heading spanning on two lines**

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

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

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean



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

placemat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

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

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.

## References

- [1] M. Held, P. Jacob, G. Nicoletti, P. Scacco, and M. Pösch, "Fast power cycling test of IGBT modules in traction application", in *Proceedings of Second International Conference on Power Electronics and Drive Systems*, vol. 1, 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*, 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).