

Demonstration of conference paper preparation in L^AT_EX using the template *compmech.tex*

A. Thefirst^a, E. Thesecond^b, R. Thethird^{b,c}, O. Thefourth^{c,d}

^a*Department of Mechanics, Faculty of Applied Sciences, University of West Bohemia in Pilsen,
Univerzitní 8, 301 00 Plzeň, Czech Republic*

^b*NTIS – New Technologies for the Information Society, Faculty of Applied Sciences, University of West Bohemia in Pilsen,
Univerzitní 8, 301 00 Plzeň, Czech Republic*

^c*Institute of Thermomechanics, Czech Academy of Sciences, Veleslavínova 11, 301 14 Plzeň, Czech Republic*

^d*Department of Mechanics and Engineering Sciences, Peking University, 100871 Beijing, China*

This document is a short guide for the preparation of a conference paper for the proceedings of the conference Computational Mechanics using the template *compmech.tex*. Before you use this template, save it as a new *tex* document with name consisting of the string CM and of the last and the first name of the first author, i.e., in the form *CM_Thefirst_Adam.tex*. Then, continue in accordance with the template, but keep in mind that the conference paper must be written in **English** and its length must be **between 2 and 4 pages** including references (an even number of pages is not required). Additionally, please do not add an abstract to your conference paper. If necessary, include the summary of your work into the first paragraph or Introduction section.

The layout of the front page is the only part of the document that has a specific format. Its formatting is controlled by the new commands `\title{title}`, `\authorinfo{name}{mark}` and `\affiliation{mark}{affiliation}` defined in the class *compmech.cls*. These commands are followed by the standard `\begin{document}` statement and their notation and parameters are clear from the preamble of the source file of this document. The aforementioned class file also specifies the page settings of the whole document.

The final step of the front page formatting is to use the command `\maketitle` by simply including it in the document body before the text of the conference paper. If appropriate, the authors may structure the text into numbered sections and subsections (an example can be found in the source code of the template). For the insertion of equations, figures and tables, we suggest to use standard L^AT_EX commands. For example, figures should be inserted into the text using the standard `\includegraphics[parameters]{figure name}` command. To insert more figures side by side or below each other, the standard `minipage` environment (see Fig. 1) or commands from the *subfigure.sty* package can be used. Tables are defined by using the standard `table` environment. Captions of figures (tables) are created by the `\caption` command and should be always centred below (above) the corresponding object while avoiding the use of a full stop (period) at the end. All labels of figures and tables defined by the `\label{label}` command should be referred to by using the sequences `Fig.~\ref{F1}` and `Table~\ref{T1}`, respectively.

The last paragraph that includes conclusions of presented work may be followed by an acknowledgement statement if necessary (use `\section*{Acknowledgements}` command). Selected references (up to 5 references), generated either by using the `thebibliography` environment or the BibTeX software tool, should be listed in **alphabetical order** according to

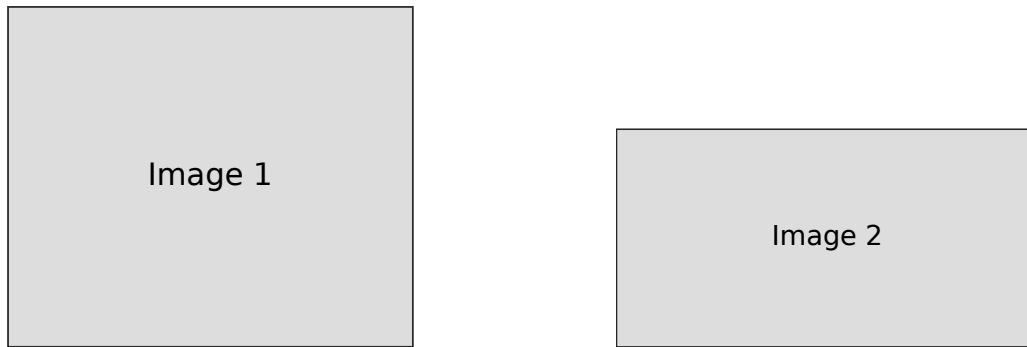


Fig. 1. Example of image placing with the standard `minipage` environment

the last name of the first author at the end of the document. All references should be cited in the text without exception.

Finally, we point out that only a document in the **PDF** format can be accepted. To submit the final version of your conference paper, you have to **pack** it including all source files and all figures and upload the **zip** file using the on-line form available at <https://compmech.kme.zcu.cz/> after you log in. Please name the pack file in the same way as the source text file, i.e., *CM_Thefirst_Adam.zip*.

References

- [1] Clark, J. A., Basic knowledges, Elsevier, Amsterdam, 1986.
- [2] Lee, Y., Korpela, S. A., Horne, R.N., Structure of multi-cellular natural convection, Proceedings of the 7th International Heat Transfer Conference, Varna, Bulgarian Publisher, 1973, pp. 45-52.
- [3] Sparrow, E., Heat problems in a duct having spanwise-periodic rectangular protuberances, Numerical Heat Transfer 4 (8) (1989) 165-180.