INSTRUCTIONS FOR AUTHORS FOR THE PREPARATION OF 4-PAGE PAPERS

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Abstract: *This document serves as a template for papers submitted to the Engineering Mechanics 2025 conference. The abstract should provide a concise summary of the work, including the research problem, methodology, and key findings or contributions. It must not exceed 200 words and should be self-contained, giving readers a clear overview of the paper's content. Authors are encouraged to maintain a professional and clear writing style, ensuring the abstract is accessible to a broad audience within the field of engineering mechanics. References, citations, or any external sources should not be included in the abstract, as it will serve as a standalone heading for their paper on the conference proceedings webpage. Additionally, include up to 5 relevant keywords separated by commas at the end of your abstract (e.g., Engineering Conference, Mechanics, Numerical Analysis, Optimization, Structural Dynamics), and do not use a full stop after the keywords. To ensure a smooth review process, please strictly follow the instructions provided in this template for both the abstract and the full paper.*

Keywords: Enter up to 5 keywords and separate them by commas, Engineering conference, Mechanics, Do not use a full stop after the keywords

1. Introduction

Each presenting author is invited to submit a 4-page paper in DOCX, LaTeX, or PDF format by the deadline of 10ᵗʰ February 2025. The paper will undergo a review process and, if accepted, will be published in the conference proceedings.

The filename should include the presenting author's surname and first name, matching the registration details on the conference website. For example, SURNAME-FIRSTNAME.DOCX is a suitable format. To ensure optimal file size, please use vector graphics where possible, or resample any bitmap images (such as photos) to a maximum resolution of 300 dpi, keeping the total file size under 2-3 MB. If you choose to submit your paper in PDF format, kindly provide the original source file (DOCX or LaTeX) as well. This will help to expedite the copyediting process. Papers should be uploaded through the "Paper" section on the conference website, which helps track submissions. If you encounter any issues with uploading, please send the file via email to em2025@engmech.cz.

2. Presentation

Each paper presentation will be allocated 20 minutes, including time for discussion and transitions between speakers. Every lecture room will be equipped with a standard setup of a computer and data projector. If you require any additional or non-standard equipment, please kindly contact the Conference Secretariat.

The allotted space for a poster will be approximately 0.95×1.15 m (width $\times$ height). The number of available poster slots is limited.

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3. Typesetting of the text

Please use this file (with the EM 2020 formatting) to write your paper. The paper must be written in English using the Times New Roman font. The paper should be formatted as follows:

- TITLE – in capital letters, bold, centred, size 14 points – use the "TITLE EM 2020" style.

- Author(s)' name(s) – without titles, bold, size 12 points (use the "Authors EM 2020" style), e.g., Smith M., Brown C. A. Full names, titles, and addresses of the authors should be provided as a footnote on the first page, below a marginal line, in size 9 points.

- Abstract – a short abstract containing the problem formulation and conclusions, formatted with the "Abstract EM 2020" style. It should be one paragraph, up to 200 words, in size 10 points, italicized.

- Keywords – up to 5 keywords, separated by commas, formatted with the "Keywords EM 2020" style, in size 10 points, bold, and italicized. Do not use a full stop (period) at the end of the keywords.

- The style for chapter headings is "Main Chapter EM 2020" – size 11 points, bold.

- Full text of the paper – size 11 points, "Normal EM 2020" style.

- For numbered subsections, use the 'Chapter 1 EM 2020' style – bold, size 11 points. For unnumbered subsections, use the 'Chapter 2 EM 2020' style – bold, size 11 points. Please do not use any other subsection levels.

- References – according to APA style (Author's name, year of publication, etc.), arranged alphabetically by the surname of the first-named author. See the sample references and use the "Reference EM 2020" style. The references section title uses the "Reference Chapter EM 2020" style.

- Do not number the pages!

- When including equations, figures, and photographs, consider the proceedings dimensions (173x250 mm, approximately 82% reduction).

3.1. Equations (numbered subsection style – Chapter 1 EM 2020)

Equations should be centred numbered consecutively starting from one, without reference to the chapter number. Correct equation numbering in MS Word can be tricky, but the desired result can be achieved by using inline equations and carefully defined tab stops. For example:

$$m\ddot{x}(t) + b\dot{x}(t) + cx(t) = P(t) \tag{1}$$

$$A + b = EM2020 \tag{2}$$

Alternatively, you can use tables to display "professional" equations:

$$E = \frac{1}{2} m \, v^2 \tag{3}$$

Use slanted font for mathematical symbols (e.g., ... where m denotes mass…) and bold regular font for vectors and matrices (e.g., ... **x** is the vector of unknown variables and **M** is the system matrix…).

Fig. 1: EM 2025 logo.

3.2. Figures and tables

Figure captions should be placed below the figure, centred, and formatted in the "Figure EM 2020" style. Table captions should be placed above the table, centred, and formatted in the "Table EM 2020" style. All tables and figures must be referenced in the text, as, for example, Fig. 1 and Tab. 1. In tables, use a 10pt font size and only horizontal lines. We recommend using vector graphics whenever possible. For instance, use the SVG format for MS Word and PDF for LaTeX. For photos and other bitmap images, ensure the maximum horizontal size does not exceed 1920 pixels for images using the full text width, as the total text width is 16.5 cm (i.e., 300 dpi × 6.44 in). Scale the image width proportionally based on its actual size in the text.

Tab. 1: Number of papers at the EM conferences.

Conference Name	Number of Papers
EM 1997	146
EM 1998	153
EM 2000	183
EM 2001	157
EM 2002	151
EM 2004	145
EM 2005	152
EM 2006	198
EM 2007	144
EM 2008	117
EM 2009	154
EM 2010	83

3.3. References and Citations

For bibliographic references, use the APA style, https://www.scribbr.com/apa-citation-generator/, arranged in alphabetical order of the first author, without numbering (see below example section References). References are should use only the latin characters and should be written in English. For publications in other languages specify the language as a note, e.g., (in Czech/Slovak/Poland/Russian, ………)

For citations in the text, please aim for a smooth integration of the authors' names whenever possible. For example: "Of fundamental significance is the paper by Abraham and Zubroun (1998), although it was likely inspired by the revolutionary work of Boubele et al. (1989), published in the proceedings of the most renowned watchdogs of democracy and humanity. All of which, however, are based on classical foundations (Klasic, 1950; Mamellas and Telecí, 1961)." In LaTeX, use the command \citet for in-text citations and \citep for citations in parentheses.

To increase the likelihood of indexing the proceedings in Clarivate's Web of Science (CPCI index), it is unfortunately necessary to adhere to certain formal requirements for references, which may not always seem logical.

- The number of citations should correspond to the small extent of the text.

- Clarivate discourages authors from citing only their own work or that of their team, even though, from a content perspective, such references may be necessary and relevant to the topic and scope of the paper.

- Avoid references to works where the connection to the topic is not immediately obvious. While Clarivate claims the expertise of its editors, they are no better than officials in other review panels.

Unfortunately, official recommendations are vague, often change, and their placement on the Clarivate website can also change. A few links to primary sources are provided here (valid as of Nov 28, 2024): https://clarivate.com/academia-government/scientific-and-academic-research/research-discovery-and-referencing/web-of-science/web-of-science-core-collection/editorial-selection-process/conference-proceedings-citation-index-evaluation-process-selection-criteria/

4. Conclusions (style – Main Chapter EM 2020)

The conclusion section of the paper should provide a clear summary of the key findings, results, or insights presented in the text. It should emphasize the significance of the work and its potential impact or future applications. Authors are encouraged to keep the conclusion concise and focused on the main takeaways from the paper. This is not the place for detailed discussions or additional references. The conclusion should tie together the main points of the paper and highlight any potential implications, without the need for further citations.

Acknowledgement (style – Chapter 2 EM 2020)

References (style – Reference Chapter EM 2020)

Abraham, T. and Zubroun, Q. (1998) Special effects in equations. *Journal of Sound and Vibration*, 218, 5, pp. 123-132. (10pt, style – References EM 2020).

Boubele, J., Koudele, B. and Juchtele, C. (1989) On velvet revolution in some countries, in Nilats, K. L and Dlawttog, K., eds., *Proc. 1st Int. Conf. on Revolutions and Contra-revolutions*, Inst. for Research, Prague, pp. 56-84.

Klasic, T. D. (1950) *Basic Knowledges*. Elsevier, Amsterdam.

Mamellas, H. and Telecí, R. (1961) *Basic Studies at the University*. Student text, CTU Press, Prague (in Czech).