

Authors' Instructions for HMDS 2026 Abstracts

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ABSTRACT

1 Introduction

This document contains submission instructions, LaTeX/Word layout information and document structure recommendations for the abstracts to be submitted to the 2nd International Symposium on Heterogeneous and Multi-Domain Systems (HMDS 2026). The style file “hmds2026.cls” is available for automatic layout generation in LaTeX. The template files “HMDS2026_InstructionsForAuthors.tex” and “HMDS2026_InstructionsForAuthors.docx” are available for editing in LaTeX and Word, respectively.

2 Submission instructions

Only original contributions will be considered for presentation at the HMDS 2026. The abstract should convey the main ideas and contributions of the presented work, including their methods and advances with respect to existing literature and state of the art, such as to allow a methodological assessment of the novelty of the work.

The abstract should be submitted via EasyChair as a camera-ready PDF file.

3 Layout information

The abstract should be written in English and may not exceed two A4 pages in the format specified below and shown in this template. For Word source files, please use the Word template for editing your submission, without changing margins, font types, line spacing, etc.

For LaTeX source files, all formatting commands are already pre-defined in the LaTeX style file “hmds2026.cls” and are generated automatically when using the corresponding structure elements (\section{...}, \caption{...}, etc.).

The abstract should begin with the centered heading **ABSTRACT** in bold capital letters at the top of the text main body after the authors' affiliations (as shown above in this template).

The list of authors should contain their affiliations and e-mail addresses as shown above. The superscript reference marks may be omitted if all authors are from the same affiliation. In case of two or more authors, please underline the name of the author who will present the paper at the conference if already known.

Table 1: Font sizes and styles

| <i>Style Element</i> | <i>Word</i> | LaTeX |
|-------------------------------|---------------------------------|----------------|
| title | Title | \bf\large |
| list of authors | Firstname Lastname | \normalsize |
| list of authors' institutions | Organization | \small |
| normal text | normal text | \normalsize |
| headings (only 1 level) | Section, References | \bf\normalsize |
| figure and table captions | Figure caption | \small |
| list of reference | [1] B. Etkin and L.D. Raid. . . | \normalsize |

The text body should have dimensions 184mm width and 260mm height with 12.7mm margin from the left and 25 mm margin from

the top. Line alignment should be fully justified to text width. Font type and size for the main text should be Times Roman 10pt in LaTeX and Times Roman 10bp in Word.

Section headings should be bold in normal text size. Further font size and style instructions are summarized in Table 1 both for Word and for LaTeX.

Headers and footers should not be defined by the authors as they will be finally typeset during the process of completion of the proceedings.

Equations should be centered in a separate line with extra space above and below and should be numbered with consecutive numbers in parenthesis to the right as for example Eq. (1).

$$\begin{bmatrix} \mathbf{M} & \mathbf{\Phi}^T \\ \mathbf{\Phi} & \mathbf{0} \end{bmatrix} \begin{bmatrix} \ddot{\mathbf{s}} \\ -\boldsymbol{\lambda} \end{bmatrix} = \begin{bmatrix} \mathbf{p}_1 \\ \mathbf{p}_2 \end{bmatrix}. \quad (1)$$

Figures should be centered and numbered consecutively and should have a centered caption under the figure as shown in Fig. 1. Line drawings, if in raster format, should have a resolution of at least 600 dpi. Vector graphics are preferred to raster graphics.

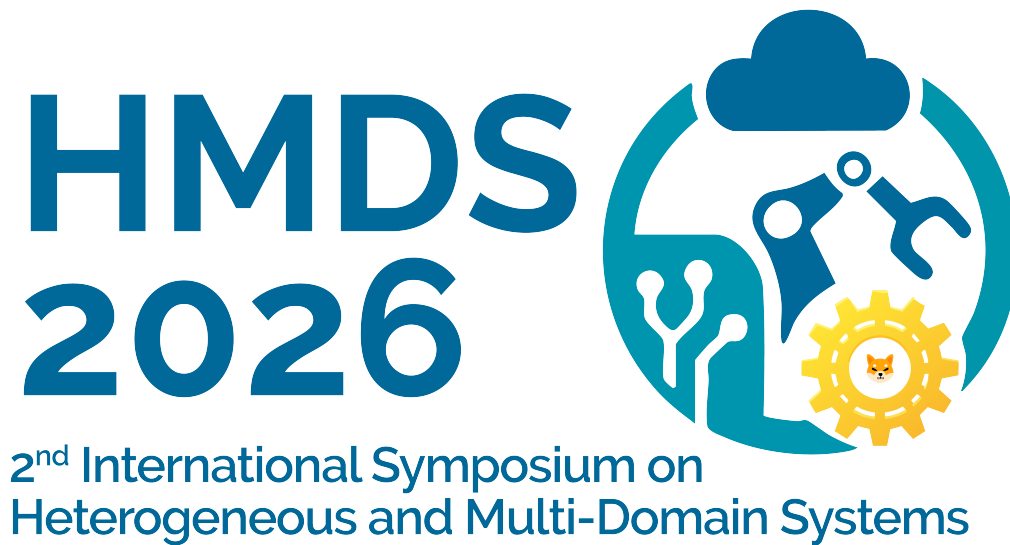


Figure 1: HMDS 2026 logo

Tables should be centered with centered caption above the table as shown in table 1 above.

Reference entries should be listed in order of citation and referenced in the text by square brackets, e.g. [1]. Examples are given at the end of this article to present the general style for references.

4 Document structure recommendations

A typical abstract contains an introduction with state of the art, a problem description, the applied methods, the obtained results, their discussion, as well as a conclusion followed by a list of most significant references. Section headings are optional apart from Acknowledgements (if applicable) and References.

Acknowledgments

The acknowledgments heading should be treated as a section heading with no number assigned to it.

References

- [1] J. P. Literaturpabst, “A reference example from a journal article”, *Mechatronik*, vol. 21, pp. 11–22, 2010.
- [2] A. Müller, *An reference example from a book*. Berlin, Heidelberg, New York: Hüpfers, 2011.
- [3] B. Meyer and P. Müller, “An reference example from a proceedings”, in *Proceedings of the 7th Mechatronics Conference*. VDI Wissensforum Düsseldorf, 2009.