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Instructions for the Preparation of an Archives of Foundry Engineering Article

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Abstract

Please take into consideration the fact that the full text of an abstract should contain between 1000 and 2000 characters (including spaces). The information on how the objectives are achieved, what the main method(s) used, what is the approach to the topic, etc. is given in this chapter. Please provide the information about the main conclusions, what are the suggestions for future research, practical implications are identified etc.

Keywords: Please provide three to five keywords, separated by comma, which express the principal topics of the paper.

1. Introduction

Please use this template to format the article preferably using the copy-paste method. The paper should begin with an introduction in which the state of the art of the issue concerning the paper will be presented generally and concisely. It is necessary to quote references taking into account the remarks included in the section 'References'. It is necessary to present the objective of the works included in the paper and clearly emphasise the originality of the solutions and the content-related approach to the issue worked out and described by the authors. Exemplary section headings and range of the subsequent sections of the paper are given roughly, which we wish you to adopt during the preparation of your paper. Mark the reference in the text as: [1, 2-4, 5] where the numbers correspond to the References list at the end of the manuscript. This chapter is

compulsory for the research article and the case study. The review article can have a different editorial form.

2. Description of the approach, work methodology, materials for research, assumptions, experiments etc.

In this section, it is necessary to present in detail assumptions and course of own research to such an extent that a reader could repeat those works if he was going to confirm the achieved results.

2.1. Title

The title of the paper must be clear and explain in detail its subject matter and should fit to a maximum of three lines. The exception can be made in particular case. Please capitalize each word.

Table 1.

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No	Item	Explanation
1.	Paper size	Please use non-standard format (205 x 280) without page numbering. Only this paper size will be accepted.
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5.	Fonts and line spacing	The 9 pt. Times New Roman font in 1.0 line spacing is required
6.	Title	The title should fit in the maximum three lines and situated maximum in three lines and centre-justified Title of the Article (26 point, bold, Times New Roman, capitalize each word).
7.	Abstract	Please provide a brief abstract (9 points) and the abstract itself should contain no more than 1000-2000 characters (including spaces). Please write it concisely and clearly. The abstract should reflect only what appears in the original paper. The word Abstract should be written in the bold style (14 point).
8.	Keywords	The words Keywords (9 points, each beginning with a big letter and separated by commas)
9.	Style	Section headings (14 points, bold, Times New Roman), subsection headings (12 points, bold, Times New Roman) should be left justified. Before section headings use two blank spaces and before subsection headings use two blank spaces. The creation of sub-subsections is not foreseen. The headings of the tables and figures (9 points) should be numbered consecutively and justified in the centre.
10.	Colour	Papers are published only electronically and in full colour version without any charges.

2.2. Format

The article should be prepared according to the requirements provided in Table 1. Please pay attention to the fact that the subsection should be not shorter than 0.5 column.

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The tables should be presented in the form shown in Table 1. They should be arranged throughout the text, preferably on the same page as they are first discussed. They should have a self-contained caption and be positioned in flush-left alignment with the text margin within the column. If they do not fit into one column they may be placed across both columns in which case place them at the top or at the bottom of a page.

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Figures should be presented as in Figure 1. They should be clearly displayed by leaving at last single line of spacing above and below them.

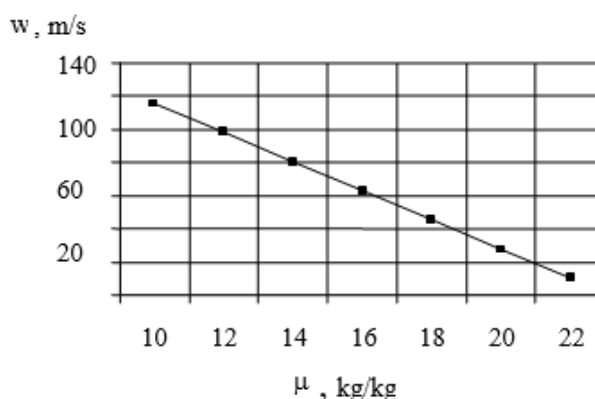


Fig. 1. Good quality figure with clear lettering.

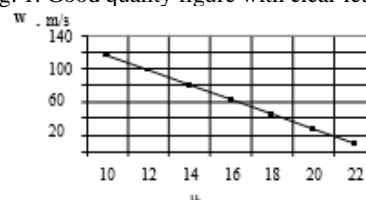


Fig. 2. Bad quality, distorted figure; lettering is too small

When placing a figure at the top of the page, the top of figure should be at the same level as the bottom of the first text line. All notations and lettering should be no less than 2.5 mm high. They must also be located close to the first reference to them in the text and numbered consecutively. A figure caption should be placed immediately below the figures. Photographs and figures should be prepared in colour at min. 300 dpi resolution. Please do not use patterns in vector graphics. It is required to prepare them with the use of graphical software, in TIFF or JPEG format (preparation in MS Word is not accepted). Please, remember that they cannot be reduced or enlarged after placement in the MS Word application, because they lose the image quality.

Tables and figures placed across both columns should begin and end the page.

Tables and figures of good quality must be attached in separate files during the submission process.

2.5. Equations

Equations should be placed flush-left with the text margin of the column and should be preceded and followed by one blank line.

$$w_k = 16,76 + 270 \cdot p_1^2 + 698,42 \cdot p_4 \quad (1)$$

If they are numbered make sure that they are numbered consequently. Put the numbers in parentheses flush with the right-hand margin level with the last line of the equation.

3. Description of achieved results of own researches

3.1. General remarks

In that section, it is necessary to present achieved results of own researches in detail, e.g. researches or calculations illustrating them in detail and legibly by pictures, diagrams, photos, e.g. metallographic ones, results, calculations, tables, etc. and giving in detail casual and result relations between stated facts confirming or excluding data known from the literature. That section should have a character of a scientific discussion, although to do that the separate section can be created and in the given one only the information about achieved results of researches can be included.

3.2. Scope

Thematic scope of papers accepted for submission but not limited is given below:

Theory of Crystallization, Innovative Foundry Technologies and Materials, Product Development, Solidification Process, Application of Information Technology to the Foundry Industry, Quality Management, Environment Protection, Composites, Wear Resistant Alloys, Metallography, Heat Treatment, Mechanical

Properties, Automation and Robotics in Foundry, Transport Systems in Foundry, Pneumatic Conveying in Foundry Industry, Surface Treatment, Non-Destructive Testing, Castings Defects.

4. Conclusions

It is necessary to clearly present the main conclusions from the whole paper. It is required to present them in a few points after the general conclusion. The authors' achievements and originality of research and the author's input on the subject matter and value of the study should be emphasized. Practical application and possible directions of further works can be pointed out.

Acknowledgements

Acknowledgements should be placed before references.

References

Because all references will be linked electronically to the papers they cite, proper formatting of the references is crucial. This guide describes standards for preparing the references in the APA style. The following sections give detailed instructions on how to quote books, journal articles, conference papers, theses, webpages, and others. Please provide all the required elements in the references to your paper. Pay particular attention to spelling, capitalization, and punctuation. The accuracy and completeness of the references are the responsibility of the author. Before submitting your article, please ensure you have checked your paper for any relevant references you may have missed.

Book: Author(s). (Year of publication). *Book title*. Place of publication: Publisher.

[1] Kurz, W., Fisher, D. J. (1984). *Fundamentals of Solidification*. (2nd ed.). London–Paris: Trans. Tech. Publ.

Book chapter or article in an edited book: Author(s) of the chapter. (Year of publication). Title of the chapter. In Editors of the book (Eds.), *Book title* (Chapter page range). Place of publication: Publisher.

[2] Roll, W.P. (1976). ESP and memory. In J.M.O. Wheatley & H.L. Edge (Eds.), *Philosophical dimensions of parapsychology* (pp. 154-184). Springfield, IL: American Psychiatric Press.

Proceedings from a conference: Author(s). (Year of publication). Title. In Conference name, Date (Page range). Place of publication: Publisher.

[3] Dobrzański, L.A., Mikuła, J. Pakuła, D., Kopač, J., Soković, M. (2003). Cutting properties of the ceramic tool materials based on Si₃N₄ and Al₂O₃ coated with PVD and CVD process. In the 12th Scientific International Conference Achievements in Mechanical and Materials Engineering, 7-10 December 2003 (pp. 249-252). Gliwice – Zakopane,

Poland: World Academy of Materials and Manufacturing Engineering.

ebook: Author(s). (Year of publication). *Title*. Publisher. Retrieving date, http address. DOI.

- [4] Johnson, A. (2000). *Abstract Computing Machines*. Springer Berlin Heidelberg, Retrieved 30 March 2006 from SpringerLink <http://springerlink.com/content/w25154>. DOI: 10.1007/b138965.

Thesis: Author(s). (Year of publication). *Title*. Information, Place of publication.

- [5] Begg, M.M. (2001). *Dairy farm women in the Waikato 1946-1996: Fifty years of social and structural change*. Unpublished doctoral dissertation, University of Waikato, Hamilton, New Zealand.

Journal Article: Author1, Author2 & Author3. (Year of publication). Article title. *Journal Title*. Volume (issue), range of pages. DOI.

- [6] Cudak, M. & Karcz J. (2006). Momentum transfer in an agitated vessel with off-centred impellers. *Chemical Papers*. 60(5), 375-380. DOI: 10.2478/s11696-006-0068-y.

Patent: Author. (Year). Patent number. The location. Issue body.

- [7] Smith, I.M. (1988). U.S. Patent No. 123,445. Washington, D.C.: U.S. Patent and Trademark Office.

Web page: Author/Sponsor. (last update or copyright date). *Title*. Retrieved date of access, from URL.

- [8] Walker, J. (1996, August). *APA-style citations of electronic resources*. Retrieved November 21, 2001, from <http://www.cas.usf.edu/english/walker/apa.html>

References should be listed at the end of the paper. Please do not put them on a new page unless this is absolutely necessary. They should be listed in the order in which they are cited.

Citation of reference should be made within square brackets. Write the full titles of the journals and articles.

The list of references should include positions mainly in English; however, if they are not written in English, their titles should be written in English transliteration, and in the brackets, please put a language of the original, e.g. (in Polish).

As a general rule try to avoid to many citations of the authors' own previously published articles as well as the AFE previously published articles.

If possible, equalize the columns on the last page.

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