

## INSTRUCTIONS FOR AUTHORS

### *General guidelines*

Articles in Polish or English should be submitted in the form of files in Microsoft Word (.doc, .docx), paper format: A4, margins: 2.5 cm. The text of the article should be written using Arial font, 10 pt, (using single line spacing between the following lines) and divided into Arabic numbered chapters and sections according to the formula below. Each paragraph should begin with 1 cm indentation. Drawings should be saved in separate files and the resolution of photographs should be a minimum 300 dpi. References contain a list of the literature, arranged in an order that should correspond to the order of appearance of literature references in the text of the publication. All items from the list of publication must appear in the text and vice versa. References to the bibliography should be written in square brackets and references to the drawings, tables and formulas – in round brackets.

Each article is reviewed. The names of both Reviewers are unknown to authors and the names of the authors are unknown to Reviewers (*double blind review*).

The Editors of the Transactions hereby inform the Authors that cases of "ghostwriting" (failure to disclose the contribution of co-authors in the creation of text, even in the acknowledgements) and "guest authorship" (when the cited author has made little or no contribution to this publication) are a sign of scientific misconduct. All detected cases will be reported to the institutions employing the Authors.

### *Model for preparing the manuscript*

#### **Title of the article (12 pt, bold)**

Title should be concise, succinct and contain information about the essence of a scientific publication.

#### **Research on ablation casting technology for aluminium alloys**

*Author's/Authors' name and surname (10 pt, italic)*

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#### **Abstract (9 pt, bold)**

*Abstract (9 pt, italic) should include a brief description of the research and findings with particular emphasis put on news items contained in the presented study.*

*Keywords (9 pt, italic): a few words and phrases should be carefully selected to identify the problems published*

#### **1. Preface/Introduction (11 pt, bold)**

Introduction should include a brief summary of the present state of the art to justify undertaking the subject for investigation in terms of an original contribution of the publication to the subject matter presented. The Introduction should formulate a thesis (or theses) of the publication (Arial, 10 pt).

## 2. Method and results (11 pt, bold)

Method and results should develop the issues summarised in the Introduction (theory and computations). Essential is the description of test material, presentation of the method(s) of measurement and description of the basic conditions of measurement. The numerical results contained in tables or converted in the form of graphs should be completed with comments regarding the estimated errors of the measurement. Titles of tables and description of the drawings – 9 pt, italic, text in the table – 9 pt.

Table 1. Chemical composition of cast alloy, wt. %

Mg	Si	Zn	Ni	Cu	Fe	Mn	Ti	Al
3.20	7.95	1.25	0.13	0.60	0.25	0.05	0.10	bal.



a)



b)

Fig. 1. Applied casting processes: a) CLA, b) gravity casting

**Mathematical equations** (written in MS Word Equation Editor program) numbered with Arabic numerals should be typed in the text, each started on a new line.

$$WB = \sum_{i=nf}^{i=f0,65} WB_i = \sum_{i=nf}^{i=f0,65} \frac{dG_i}{dsG_i + dsR_i} \quad (1)$$

## 3. Discussion of results (11 pt, bold)

Discussion of results includes analysis of the results of work as challenged by the thesis put forward in the Introduction and including previously published results of other Authors. The importance and novelty of the results should be underlined.

## 4. Conclusions (11 pt, bold)

This is the most important section, the conclusions of the study should be presented in a concise form.

## Acknowledgements (11 pt, bold)

Acknowledgements can be conveyed to people who have made a significant contribution to the subject of research described in the publication and are not the Authors of the publication; the funding source of the work should also be stated.

## References (9 pt, bold)

The literature citations (item 1, 3–7) should give maximum three authors of the publication. If there are more authors, give only the name of the first author followed by the abbreviation *i in.* or *et al.* Valid APA style bibliography. Font size: 9 pt.

### 1. Book

Surname, initial of the author's first name (Year of publication). *Title. Subtitle.* Place of publication: Publisher.

Pirowski Z. (2013). *Stopy niklu jako nowoczesne tworzywo odlewnicze do pracy w ekstremalnych warunkach eksploatacji.* Kraków: Instytut Odlewnictwa.

### 2. Collective work

Surname, initial of the editor's first name (Ed.). (Year of publication). *Title. Subtitle.* Place of publication: Publisher.

Pytel, A. (red.). (2012). *Nowoczesne tworzywa odporne na zmęczenie cieplne. Część I: Zagadnienia badawcze.* Kraków: Instytut Odlewnictwa.

### 3. Collective work – chapter

Surname, Initial of the chapter author's first name (Year of publication). *Title of article. Subtitle.* [In:] Surname, initial of the editor's first name (Ed.), Title of the whole work (pages). Place of publication: Publisher.

Dudek, P., Fajkiel, A., Lech-Grega, M. (2013). *Wstępne badania wpływu złomu obiegowego na efekt endomodyfikacji w stopach magnezu.* [W:] Fajkiel, A. (red.), *Innowacje w odlewnictwie ciśnieniowym. Cz. V (43–54).* Kraków: Instytut Odlewnictwa.

### 4. Article

Surname, Initial of the author's first name (Year of publication). Title of article. Subtitle. *Title of Journal*, Volume(Number), pages. DOI: xxxxx.

Kudyba, A. et al. (2014). Wpływ zawartości fosforu na zwilżalność podłoży z pokryciem Ni-P lutowiem SAC305 / Effect of phosphorus content on the wettability of Ni-P coated surfaces by SAC305 alloy. *Prace Instytutu Odlewnictwa / Transactions of the Foundry Research Institute*, 54(4), 51–62. DOI: 10.7356/iiod.2014.21.

### 5. Publication on-line

Surname, Initial of the author's first name (Year of publication). *Title. Subtitle.* Downloades from: Internet address [access date].

*Quality and process control benefits flow from lower-cost method. Hitchiner's CLA Process.* Materiały firmy HITCHINER Manufacturing Co., Inc., Milford, USA. Pobrane z: <http://www.hitchiner.com> [dostęp: 10.10.2014].

### 6. Publications on other media

Surname, Initial of the author's first name (Year of publication). *Title. Subtitle.* Place of publication: Publisher.

Praca zbiorowa (2011). *60 lat działalności Instytutu Odlewnictwa w Krakowie na rzecz polskiej nauki, techniki i gospodarki.* Kraków: Instytut Odlewnictwa.

### 7. Work unpublished

Surname, Initial of the author's first name (Year of publication). *Title. Subtitle.* Type of work (MSc. or PhD. thesis, etc.), the Institution holding the work.

Korzeniowska, M. (2009). *Wpływ struktury uwodnionego krzemianu sodu jako spoiwa mas formierskich na właściwości żelu krzemionkowego w wysokich temperaturach.* Rozprawa doktorska, Kraków: Akademia Górniczo-Hutnicza.

### 8. Acts and Regulations

*Title of the document.* Official Gazette, Year ..., No. ..., Item. ....

*Rozporządzenie Ministra Pracy i Polityki Społecznej z dnia 29 listopada 2002 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy.* Dz.U. z 2002 r. Nr 217 poz. 1833.

### 9. Patents

*Title of the document,* Surname, initial of the author's first name, Country providing patent, Year patent was provided, Patent document type (patent, patent application, utility model protection right), Patent number.

*Urządzenie do badania właściwości powierzchniowych ciekłych stopów,* Sobczak, N., Schmidt, J., Kazakov, A. Polska, 1991, Patent, PL-166953.