MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION NOVOSIBIRSK STATE TECHNICAL UNIVERSITY INTERUNIVERSITY CENTER FOR PROMOTING RESEARCH AND INNOVATIVE ACTIVITIES OF STUDENTS AND YOUNG SCIENTISTS IN NOVOSIBIRSK REGION STUDENTS' SCIENTIFIC SOCIETY OF NSTU



# **GENERAL INFORMATION**

# 7<sup>th</sup> International Conference of Young Scientists «ELECTRICAL ENGINEERING. ELECTROTECHNOLOGY. ENERGY» June 9-12, 2015

Novosibirsk State Technical University (Conference Hall),

Novosibirsk, Russia

We warmly invite students, postgraduates and young scientists to participate in the conference.

Following the results of the conference the committee plans to publish:

- a collection of papers (Proceedings) in Russian that is included in the Russian Science Citation Index (RSCI) base with the ISBN assigned;

- a special issue of the peer-reviewed journal which is included in Scopus and Web of Science databases - **«Applied Mechanics and Materials»** (in English).

### **IMPORTANT DATES**

- Opening registration February 15, 2015.
- Deadline for registration March 31, 2015.
- Deadline for submission of papers March 31, 2015.
- Deadline for registration fee May 16, 2015.
- Arrival of participants June 8, 2015.
- Conference events June 9 -12, 2015.
- Departure of participants June 13, 2015.

#### **CONFERENCE SECTIONS**

- 1. ELECTRICAL ENGINEERING.
- 2. ELECTROTECHNOLOGY.
- 3. ENERGY.

#### **CONFERENCE TERMS**

We will appreciate the completed scientific and research works of theoretical and practical value which are relevant to the topic of the conference.

To participate in the conference you should provide the following documents in your personal account (available after registration):

- 1. Conference application form (Appendix 1) (Deadline: March 31, 2015)
- 2. Abstract (Appendix 2) (Deadline: March 31, 2015)

3. Copy of the document on registration fee payment is to be sent after notification that the article is accepted for publication.

At the beginning of the conference, the program and the collection of papers to be presented will be available electronically or in hard copy (Russian).

The organizing committee reviews the manuscripts submitted in the author's edition, and recommends it them for publication. The authors and their scientific advisors are responsible for validity and novelty of the results presented.

The organizing committee reserves the right to reject manuscripts that are not relevant to the topic of the conference, have no scientific novelty, or are not in line with the submission guidelines.

#### **REGISTRATION FEE**

The registration fee is \$ 22 or  $\in$  19; it includes the cost of conference materials (publication of the collection of papers in Russian, conference programs, and letters of invitation).

The fee payment for publication of one article in a special issue of the peerreviewed journal which is included in Scopus and Web of Science databases – **«Applied Mechanics and Materials**» is \$ 75 or  $\in$  66.

Papers will not be published if the registration fee and the publication fee are not paid.

# GUIDELINES FOR SUBMITTING AN ARTICLE TO THE PROCEEDINGS OF THE CONFERENCE (RUSSIAN)

The working languages of the conference: Russian and English.

The paper needs to be two - four pages in length. The number of authors is restricted to three. Each author can publish only two articles in one issue.

The file name should consist of the last name, the initial letters of the first name and the patronymic of the author, the dash (-) and the number of the section, e.g. (PetrovII-1.doc).

The title of the article and the abstract must be in Russian and in English (more than 150 characters).

The article should contain the problem statement, the object to be studied, the results achieved, the novelty and the application field of the results.

The text of every article submitted electronically should be prepared according to the guidelines applied: the length of the article is four (4) full pages, the format – A5 (148 mm \* 210 mm), the font – Times New Roman, the font size – 12 pt, the line spacing is single with automatic hyphenation; the paragraph: the indent – 0.5 cm, the spacing before – 0, then 0; margins: the top and the bottom margins – 20 mm, the left and the right ones – 19 mm); the page orientation – book. These requirements are applied to all items of the article (text, figures, formulas, tables).

Numbers of the references should be given in square brackets.

#### Don't position the references as footnotes, please!

Equations should be produced using Word Equation Editor. The formulas should be italicized, centered and spaced by empty lines at the top and at the bottom, they should be numbered with the number right justified. Numbers of the formulas should be given in round brackets.

The formulas included in the text are not allowed to be drawn.

#### Text Layout

*the first line* – "the name of the article"- upper-case letters (in bold type) centered, single-spaced – 10pt;

*the second line* – "the author's name / the authors' names" (the number of contributing authors should be restricted to three, the name of the presenter should be underlined), using upper case letters (in bold type) centered, single-spaced, positioned below the name of the abstract;

*the third line* – "the name of the educational establishment or institution, city" using upper case letters (in bold type) centered, and the author's e-mail.

*Then,* the abstract – single spaced, italicized in Russian and in English (the font is Times New Roman, the font size is 10pt) and the body of the article.

"Bibliography" should be positioned at the end of the article.

### Figures and Tables:

The figures and tables should be referred to in the text as, for example, the figure (Figure 1) or the table (Table 1) respectively. Try to lay out the text in such a way, that the reference is positioned before the illustration, and, if possible, on one page. Each table should have a heading, which is placed above the table and left justified.

Table 1 – The heading of the table

Each figure should have a caption that is placed below and centered:

Figure 1 – The caption

The example of the layout of the article to be published in the RSCI proceedings is given in Appendix 2.

The names of scientific advisors, if they are not in the list of contributing authors, are highly recommended to include in "Acknowledgements".

# GUIDELINES FOR SUBMITTING AN ARTICLE TO «APPLIED MECHANICS AND MATERIALS» JOURNAL

The authors, whose articles are recommended for publication in the peerreviewed journal which is included in Scopus and Web of Science databases, should send to the e-mail address of the organizing committee the following materials (Deadline: March 31, 2015):

1. Article in Russian and English languages. The article in English should conform to format guidelines and general specifications accepted in this journal (Appendix 3). The length of the article is from 4 to 6 pages. The file name should consist of the last name, the initial letters of the first name and the patronymic of the author, the dash (-) and the number of the section, for example, (PetrovII-c.1.doc).

The number of authors is restricted to three. Each author can publish only two articles in one issue. 2. *Copyright* – transfer of copyright to the publisher Trans Tech Publications (Appendix 4).

3. Certified review written by the professor who is an authority in the field. After receiving the notification that the organizing committee accepts the article, it is required to pay 75 or  $\notin$  66 for the publication.

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E-mail address: http://eee.nauka.edu54.ru.

E-mail: eee@corp.nstu.ru.

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# **CONFERENCE APPLICATION FORM** (to be filled out by each author)

# 7th International scientific conference

# «Electrical engineering. Electrotechnics. Energy»

1.	Full Name ( as appears in passport)			
2.	Date of birth			
3.	Name of the paper			
4.	Section			
5.	Institution and its address			
6.	Post, title, scientific degree			
7.	Conference participation (in presentia, in absentia,)			
8.	Address for sending journals (with Zip Code)			
9.	Telephone number (work/home/mobile) FaxE-mail			
10.	Hotel accommodation (yes/ no) from till			
11.	Planned activities (please, underline):			
- present a report at the conference				

- submit a manuscript for publication in the Proceedings (Russian);
- submit a manuscript for publication in the peer-reviewed journal (English).

### EXAMPLE OF THE TEXT LAYOUT FOR THE PROCEEDINGS IN RUSSIAN

#### NEW HIGH-STRENGTH POWDER STEELS WITH TRIP-EFFECT

# <u>A.P. Alexeev</u>, I.V. Ivanov, V.G. Petrov Novosibirsk State Technical University, Novosibirsk, result@center.nstu.ru

Abstract in Russian Abstract in English

Text, text,

text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text

#### Bibliography:

1. Zolotarevskij V.S., Mechanical properties of metals: a text book for high schools. – M.: Moscow Institute of Steels and Alloys, 1998. – 400 p.

2. Gordeeva T.A., Zhegina I.P. Fractures analysis at estimating materials reliability. — M.: "Mashinostroenie", 1978. — 200 p.

## EXAMPLE OF THE TEXT LAYOUT FOR THE PROCEEDINGS IN ENGLISH «APPLIED MECHANICS AND MATERIALS»

### Your Paper's Title Starts Here: Please Center use Helvetica (Arial) 14

FULL First Author<sup>1, a\*</sup>, FULL Second Author<sup>2,b</sup> and FULL Last Author<sup>3,c</sup>

<sup>1</sup>Full address of first author, including country

<sup>2</sup>Full address of second author, including country

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<sup>a</sup>email, <sup>b</sup>email, <sup>c</sup>email

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#### Introduction

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Use *italic* for emphasizing a word or phrase. Do not use boldface typing or capital letters except for section headings (cf. remarks on section headings, below).

#### **Organization of the Text**

**Section Headings.** The section headings are in boldface capital and lowercase letters. Second level headings are typed as part of the succeeding paragraph (like the subsection heading of this paragraph).

Page Numbers. Do not number your paper:

**Tables.** Tables (refer with: Table 1, Table 2, ...) should be presented as part of the text, but in such a way as to avoid confusion with the text. A descriptive title should be placed above each table. Units in tables should be given in square brackets [meV]. If square brackets are not available, use curly {meV} or standard brackets (meV).

**Special Signs**. for example,  $\alpha \gamma \mu \Omega$  ()  $\geq \pm \bullet \Gamma \{11\overline{2}0\}$  should always be written in with the fonts Times New Roman or Arial, especially also in the figures and tables.

**Macros**. Do not use any macros for the figures and tables. (We will not be able to convert such papers into our system)

Language. All text, figures and tables must be in English.

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Color figures are welcome for the online version of the journal. Generally, these figures will be reduced to black and white for the print version. The author should indicate on the checklist if he wishes to have them printed in full color and make the necessary payments in advance.

**Equations.** Equations (refer with: Eq. 1, Eq. 2, ...) should be indented 5 mm (0.2"). There should be one line of space above the equation and one line of space below it before the text continues. The equations have to be numbered sequentially, and the number put in parentheses at the right-hand edge of the text. Equations should be punctuated as if they were an ordinary part of the text. Punctuation appears after the equation but before the equation number. The use of Microsoft Equation is allowed.

(1)

 $c^2 = a^2 + b^2.$ 

#### **Literature References**

References are cited in the text just by square brackets [1]. (If square brackets are not available, slashes may be used instead, e.g. /2/.) Two or more references at a time may be put in one set of brackets [3,4]. The references are to be numbered in the order in which they are cited in the text and are to be listed at the end of the contribution under a heading *References*, see our example below.

#### Summary

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#### References

[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, J. Sci. Commun. 163 (2000) 51-59.

Reference to a book:

[2] W. Strunk Jr., E.B. White, The Elements of Style, third ed., Macmillan, New York, 1979.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), Introduction to the Electronic Age, E-Publishing Inc., New York, 1999, pp. 281-304.

[4] R.J. Ong, J.T. Dawley and P.G. Clem: submitted to Journal of Materials Research (2003)

- [5] P.G. Clem, M. Rodriguez, J.A. Voigt and C.S. Ashley, U.S. Patent 6,231,666. (2001)
- [6] Information on http://www.weld.labs.gov.cn



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