

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION
The Federal State Budget Educational Institution of Higher Education
«Murmansk Arctic State University»
Apatity Branch



INFORMATION LETTER

**The All-Russian Scientific and Practical Conference
with International Participation
«THE FUTURE OF THE ARCTIC STARTS HERE»**

*April 25-26, 2019
Apatity, Murmansk region*

Dear colleagues!

We invite you to take part in the All-Russian Scientific and Practical Conference with international participation "The Future of the Arctic starts here", which will take place at the branch of Murmansk Arctic State University in Apatity on April 25-26, 2019.

The Conference concept is based on the need of application of scientific understanding of the Arctic to ensure regional sustainability. In the course of the work it is expected to consider urgent issues of the possibility of the Arctic zone to socio-economic development, including the main directions for developing various types of economic activities in the Arctic, for environmental studies and rational nature management, and creation of theoretical and experimental bases of new methods and technologies for exploring and developing the Arctic.

MAIN SCIENTIFIC DIRECTIONS:

- * Socio-economic development trajectories of the Arctic.
- * Innovative development of mining complex of the Russian Arctic zone.
- * Current trends in the development of the fuel-energy complex.
- * General cultural and social aspects of the development of the Northern territories.
- * The Arctic with young researchers' eyes.
- * Environmental risks and conservation of biodiversity in the Far North.
- * Information technologies and tools: status, problems, prospects of development of the Arctic territories activities.

The participation by correspondence is possible.

The participant of the conference should send the text of the report to conference@arcticsu.ru (deadline – March 20, 2019). The reports are planned to be published.

The sample of abstract presentation is provided in Appendix 1.

**Application for participation
in the All-Russian Scientific and Practical Conference
with International Participation
«THE FUTURE OF THE ARCTIC STARTS HERE»**

| | | |
|-----|--|--|
| 1. | The speaker's surname, first name, and patronymic. | |
| 2. | Place of work / study | |
| 3. | Status of participant (pupil, student, postgraduate student) | |
| 4. | Position | |
| 5. | Academic degree | |
| 6. | Academic title | |
| 7. | <i>For post-graduate students, students and schoolchildren:</i> the scientific adviser's surname, name, and patronymic, academic degree, academic title, position, place of work | |
| 8. | E-mail | |
| 9. | Contact phone number | |
| 10. | Title of the report (article) | |
| 11. | Form of participation (full-time / part-time) | |

CONTACTS

Organizing Committee: Nona Grigorievna Dyachenko, Candidate of Economic Sciences, Associate Professor of the Department of Economics, Management, and Sociology of the MASU Branch in Apatity. Tel.: +7 (964) 687-00-60, e-mail: nonna_777@mail.ru.

**Requirements
to the abstracts of the All-Russian Scientific and Practical Conference
with International Participation
«THE FUTURE OF THE ARCTIC STARTS HERE»**

Abstracts of up to one page size should be executed using a word processor in doc format and submitted to the Organizing Committee together with the application. The name of the file should contain the speaker's surname and initials, for example: Petrov A.doc / docx.

The font type for the text is Times New Roman (straight/regular), at 12 pt; for the title – 12 pt (bold uppercase letters), the author's full name and organization name – 12 pt.

The use of headers, footers, and page numbers is prohibited.

The headings and subtitles are centered; the text has width alignment for each paragraph.

The line space is 1 interval.

The first line of the paragraph has an indent (1 cm).

Page margins are left and right - 2 cm, upper and lower - 1.5 cm.

The words in the text and the headings are not broken, use only whole-word wrapping.

Abstract example

**RETROSPECTIVE REVIEW OF SOCIAL AND ECONOMIC PROBLEMS OF
HEALTH CARE REFORM**

Smirnov S.V., Murzina M.S.

Apatity Branch of Murmansk Arctic State University

Text of abstracts. Text of abstracts. Text of abstracts. Text of abstracts. Text of abstracts [2].
Text of abstracts. Text of abstracts. Text of abstracts. Text of abstracts.

References:

- 1.
- 2.
- 3.

Requirements to formatting and structure of articles

1. Typing text, formulas and tables, use Microsoft Word for Windows editor. Text editor settings: all margins - 2 cm; font Times New Roman, size – 14 pt; line spacing - 1.0; width alignment; paragraph indentation - 1.25 cm; portrait orientation.
2. Tables should have a heading above the margins, a sequence number (if there are more than one table in the text), font size – 12 pt, single interval. Do not use tables in landscape orientation.
3. Drawings are created with captions.
4. The text should contain links to graphical and table material in parentheses, as well as references in square brackets (indicating the number corresponding to the number in the list of references).
5. Words in the text and titles are not broken, whole-word wrapping.
6. The hyphen should be different from the dash.
7. Dashes and quotation marks should be the same throughout the text.
8. No typing styles are allowed, no columns are specified.
9. Spaces between paragraphs are not allowed.
10. Do not use the Russian letter ё.
11. Formulas are made using the MS Equation editor. Each formula is placed on a separate line (in the centre), sequentially numbered (in parentheses, right aligned). Symbols and abbreviations, which differ from the generally accepted ones, should be spelt out in the text. In the formulas and text, one should write the alphabetic (symbolic) notations for physical, chemical quantities (variables) and the sign of the differential *d* (in italics), and the signs of mathematical actions and symbols of the functions +, -, /, x, sin, lg, exp, etc. – regular (straight) font.
12. **The title in Russian: NAME OF THE ARTICLE** (in uppercase, bold letters, centrally aligned);
the next line – the ***author's full name*** (font bold italic, right alignment);
the next line – *academic title, academic degree, name of the institution or position and place of work, country, city*; abbreviations are not allowed (font italics, right alignment);
the next line – *E-mail for contacts* (italic font, right alignment).
13. **The title in English:** the same information is repeated in English.
14. **Abstracts in Russian and English** are not more than 600 characters (including spaces) for annotation in each language.
15. **Keywords** (in Russian and English) are separated from each other by a semicolon. The optimal number of keywords is from 3 to 7.
16. Two lines down - the text of the article.
17. Two lines down – the word «**Bibliographic list**». Bibliographic list is in alphabetical order, sequentially numbered, in accordance with GOST P 7.0.5 – 2008 (references standard). In the text, references to the corresponding source from the list of references should be presented in square brackets, for example: [1, p. 277]. The use of automatic pagination is not allowed.

Example of materials for publication

AUTOMATIC CONTROL OF INTELLIGENT BUILDING BASED ON SENSORS

Ivan Ivanov

*Student of the Department of Economics and Management, Sociology, and Law
Murmansk Arctic State University, Apatity Branch
E-mail: tech@mail.ru*

Abstract. Background. Methods. Result. Conclusion.

Keywords: keyword; keyword; keyword.

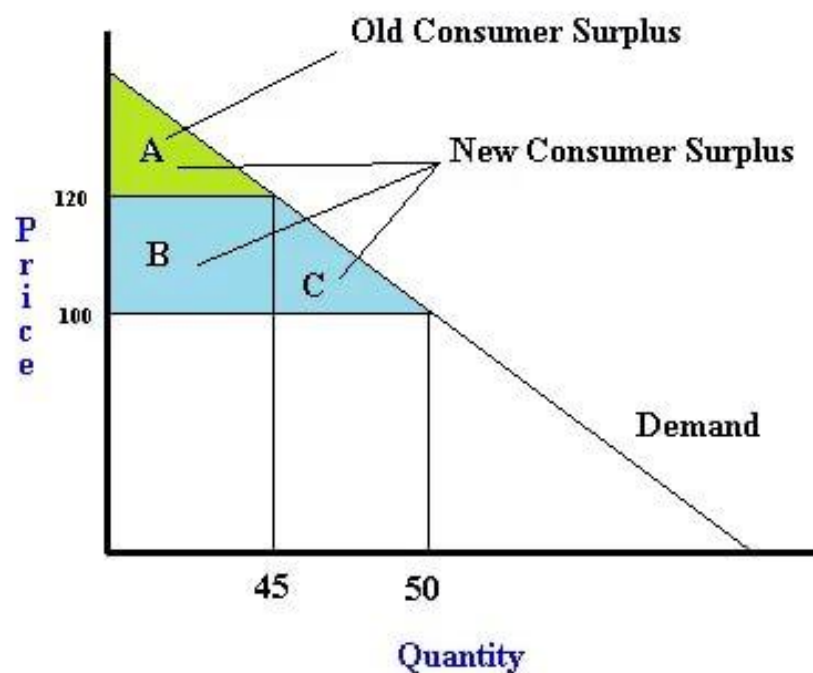
Table 1

Name of the table

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Text of the article [1, p. 35]. Text of the article. Text of the article. Text of the article.
Text of the article.

Monopoly Consumer Surplus



Drawing 1. Name

Text of the article. Text of the article. Text of the article. Text of the article.
Text of the article. «Quote» [3, p. 35]. Text of the article. Text of the article. Text of
the article. Text of the article.

$$\sigma_{-1}^{(k)} = \sigma_{-1}^{(0)} \prod_{l=0}^k [1 - \beta \frac{2\pi f(r+1)}{(ak_a)^{-1} \sigma_{-1}^{(k-1)}} \int_0^t \sigma_x(\tau) d\tau]^{\frac{\theta}{r+1} \xi_l^\lambda} \quad \xi_l = \frac{\sigma_{\max}^{(l+1)}}{\sigma_{-1}^{(l)}} \quad (1)$$

where: v_k^d - present scalar measure of fatigue damage;

$\sigma_{-1}^{(k)}$ - present value of material fatigue limit, MPa;

f - effective process frequency, Hz;

a - coefficient in correlation between fatigue limit and the Eichinger tensile strength;

k_a - threshold sensitivity coefficient.

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Text of the article.

References:

- 1.
- 2.
- 3.

EXAMPLES OF BIBLIOGRAPHICAL DESCRIPTIONS

Legislative materials description:

Russian Federation. The Constitution (1993). The Constitution of the Russian Federation: Offic. text. Moscow, Marketing Publ., 2001. 39 p. (In Russian)

The Federal Law of the Russian Federation. «About Introduction and Addition to the Family Code of the Russian Federation»: *Rossiiskaiagazeta* [Russian Newspaper], 19 November 1997, p.4. (In Russian)

Single-volume editions description:

Agafonova N.N., Bogacheva T.V., Glushkov L.I. *Grazhdanskoye pravo* [Civil Law]. 2-nd edition. Moscow, Yurist Publ., 2002. 542 p. (In Russian)

Monograph description:

Nenashev M.F. *Poslednee pravitel'stvo SSSR* [Last government of the USSR]. Moscow, Krom Publ., 1993. 221 p. Latyshev, V.N., Tribologiya rezaniya. *Kn. 1: Friksionnye protsessy pri rezanii metallov* (Tribology of Cutting, Vol. 1: Frictional Processes in Metal Cutting), Ivanovo: Ivanovskii Gos.Univ., 2009. (In Russian)

Translated book description:

Timoshenko S.P., Young D.H., Weaver W. Vibration problems in engineering. 4th ed. New York, Wiley, 1974. 521 p. (Russ, ed.: Timoshenko S.P., Iang D.Kh., Uiver U. *Kolebaniia v inzhinemom dele*. Moscow, Mashinostroenie Publ., 1985. 472 p.).

Description of the article from journals:

Zagurenko A.G., Korotovskikh V.A., Kolesnikov A.A., Timonov A.V., Kardymon D.V. *Tekhniko-ekonomicheskaya optimizatsiya dizaina gidrorazryva plasta* [Techno-economic optimization of the design of hydraulic fracturing]. *Neftyanoe khozyaistvo* – Oil Industry, 2008, no.1 1, pp. 54-57.

or

Zagurenko A.G., Korotovskikh V.A., Kolesnikov A.A., Timonov A.V., Kardymon D.V. Technical and economic optimization of hydrofracturing design. *Neftyanoe khozyaistvo* – Oil Industry, 2008, no.1 1, pp. 54-57 (in Russian).

Description of the article from electronic journal:

Swaminathan V., Lepkoswka-White E., Rao B.P. Browsers or buyers in cyberspace? An investigation of electronic factors influencing electronic exchange. *Journal of Computer-Mediated Communication*, 1999, vol. 5, no. 2. Available at: <http://www.ascusc.org/icmc/vol5/issue2/> (Accessed 28 January 2011).

Description of the article from the continued publication (collected papers):

Astakhov M.V., Tagantsev T.V. *Eksperimental'noe issledovanie prochnosti soedinenii «stal'-kompozit»* [Experimental study of the strength of joints "steel- composite"]. *Trudy MGTU «Matematicheskoe modelirovanie slozhnykh tekhnicheskikh sistem»* [Proc. of the Bauman MSTU "Mathematical Modeling of Complex Technical Systems"], 2006, no. 593, pp. 125-130.

Description of the conferences' materials:

Usmanov T.S., Gusmanov A.A., Mullagalin I.Z., Muhametshina R.Ju., Chervyakova A.N., Sveshnikov A.V. *Osobennosti proektirovaniya razrabotki mestorozhdeniy s primeneniem gidrorazryva plasta* [Features of the design of field development with the use of hydraulic fracturing]. *Trudy 6Mezhdunarodnogo Simpoziuma "Novye resursosberegayushchie tekhnologii nedropolzovaniya i povysheniya neftegazootdacha"* [Proc. 6th Int. Symp. "New energy saving subsoil technologies and the increasing of the oil and gas impact"]. Moscow, 2007, pp. 267-272.

Description of Internet-resources:

Scientific Newsletter. Modern Linguistic and Methodical-and Didactic Researches, UPL: <http://nllinguistica.ru/> (access time – 12.01.18).

Description of dissertation or author's abstracts of dissertation:

Semenov V.I. *Matematicheskoe modelirovanie plazmy v sisteme kompaktnyi tor. Diss. dokt. fiz.- mat. nauk* [Mathematical modeling of the plasma in the compact torus. Dr. phys. and math. sci. diss.]. Moscow, 2003. 272 p.

or

Semenov V.I. *Matematicheskoe modelirovanie plazmy v sisteme kompaktnyi tor. Dokt. Diss.* [Mathematical modeling of the plasma in the compact torus. Doct. Diss.]. Moscow, 2003. 272 p.

Description of unpublished document:

Latypov A.R., Khasanov M.M., Baikov V.A. Geology and Production (NGT GiD). The Certificate on official registration of the computer program. No. 2004611198, 2004. (In Russian, unpublished).

Generator davleniya GD-2M. Tekhnicheskoe opisanie i instruktsii po ekspluatatsii [Pressure generator GD-2M. Technical description and user manual]. Zagorsk, Res. Inst. Of Appl. Chem. Publ., 1975. 15 p.

Patent description:

Palkin M.V., e.a. *Sposob orientirovaniya pokrenuletael'nogo apparata s opticheskoi golovkoisamonavedeniya* [The way to orient on the roll of aircraft with optical homing head]. Patent RF, no. 2280590, 2006.

References (bibliographic list in the English language) must correspond to the numbered bibliographic list. The names of books and articles in the Russian language are transliterated in Latin letters and are translated into English. Foreign sources in Roman alphabet are left unchanged.