

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



INFORMATION LETTER

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

*April 18-20, 2018  
Apatity, Murmansk region*

Dear colleagues!

We invite you to take part in the II-nd 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 18-20, 2018. The Conference concept is based on the need to apply 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's socio-economic development, including the main directions for developing various types of economic activities in the Arctic, environmental studies and rational nature management, and creation of theoretical and experimental bases for new methods and technologies for exploring and developing the Arctic. An important direction of the Conference is the interdisciplinary consideration of a comfortable social environment for the population's life support and preservation of the Russian Arctic zone's cultural heritage.

**MAIN SCIENTIFIC DIRECTIONS:**

- Trajectories of the Arctic socio-economic development.
- Innovative development of mining and fuel-energy complexes of the Russian Arctic zone.
- Cultural heritage and transformation of the Russian Arctic's cultural landscape in the process of territory development.
- Legal issues of the Arctic territories development.
- The Arctic through young researchers' eyes.
- Topical issues of education in the Northern and Arctic regions.
- Problems of health protection and social well-being of the population in the Arctic.
- Conservation of biodiversity in the Far North.

Within the framework of the Conference there will be round tables, discussion platforms.

During the Conference excursions to the museums of Kirovsk and Apatity will be organized, it is planned to hold a master class «Playing in the small and medium-sized group as a method of

eliminating communication barriers» for schoolchildren, students, and teachers interested in forming soft skills. The program of the Conference includes a visiting session at the Barents Center of Humanities KSC RAS.

#### IMPORTANT DATES

Applications and abstracts for participation in the Conference will be accepted ***up to March 16, 2018.***

Notification of inclusion in the conference program – ***up to March 26, 2018.***

Submission of the article text – ***up to April 02, 2018.***

Conference will take place ***on the 18-20 of April, 2018.***

Employees of research and development organizations, industrial enterprises, representatives of authorities and business, teachers, post-graduate students, undergraduates, students and schoolchildren are invited to participate in the Conference.

Based on the results of the Conference, an electronic collection of the Conference materials will be published and sent for indexing to the RSCI (Russian Science Citation Index) bibliographic database.

The Conference provides an opportunity to participate part-time (correspondence form).

#### ACCEPTING APPLICATIONS AND ABSTRACTS

To participate in the conference, you need to register an application form for participation and attach your abstract on the website <https://www.arcticsu.ru/universitet/nauka/en/> or send them to [conference@arcticsu.ru](mailto:conference@arcticsu.ru) **until March 16, 2018.**

#### Application for participation in the II-nd 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.	Scientific directions	
11.	Title of the report (article)	
12.	Form of participation (full-time / part-time)	
13.	Participation in excursions to the museums of Kirovsk and Apatity (yes / no)	
14.	Participation in the master class (yes / no)	

*Up to 1 page abstracts* are for schoolchildren and students, *up to 3 pages* - for the rest of participants; A4 format, they should contain a summary of the research results: the relevance, objectives, research novelty, the main theoretical and practical results.

The requirements for the abstract presentation and examples are provided in Appendix 1.

**Applications submitted to the Organizing Committee later than March 16, 2018, will not be considered.**

There is a possibility of accommodation in the student hostel for nonresident participants of the Conference. For all questions related to nonresident participants' accommodation, apply not later than **April 10, 2018** to Tatiana Alexandrovna Shchevelkova, tel. +7 (964) 687-00-18, [shchevelkova@arcticsu.ru](mailto:shchevelkova@arcticsu.ru).

### **THE ORGANISATIONAL FEE**

The registration (organisational) fee for participation in the Conference is 100 rubles. For MASU students it is free.

Organizational fee is paid only after making decision of Organizing Committee to include the report (article) in the Conference program (after February 22, 2018).

### **SUBMISSION OF ARTICLES**

The Conference accepts scientific works previously unpublished and not submitted to other conferences. The languages of the materials are Russian or English.

The full article volume should be 5 to 12 pages of A4 format and reflect the results of the completed scientific research or information about intermediate results obtained in the course of an uncompleted scientific research.

Papers for publication are accepted **up to April 2, 2018** only in electronic form in MS Word format by e-mail [conference@arcticsu.ru](mailto:conference@arcticsu.ru).

Requirements for formatting and structure, as well as examples are presented in Appendices 2-3.

All materials presented at the Conference will be reviewed by experts. According to the results of the experts' work, the Organizing Committee will select the articles to be included in the Conference collection. Articles are published in the authors' edition.

### **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](mailto:nonna_777@mail.ru).

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

Abstracts 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.

**Attention!**

*Abstracts that do not meet these specified requirements are not accepted for consideration.*

**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 *ѐ*.

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.

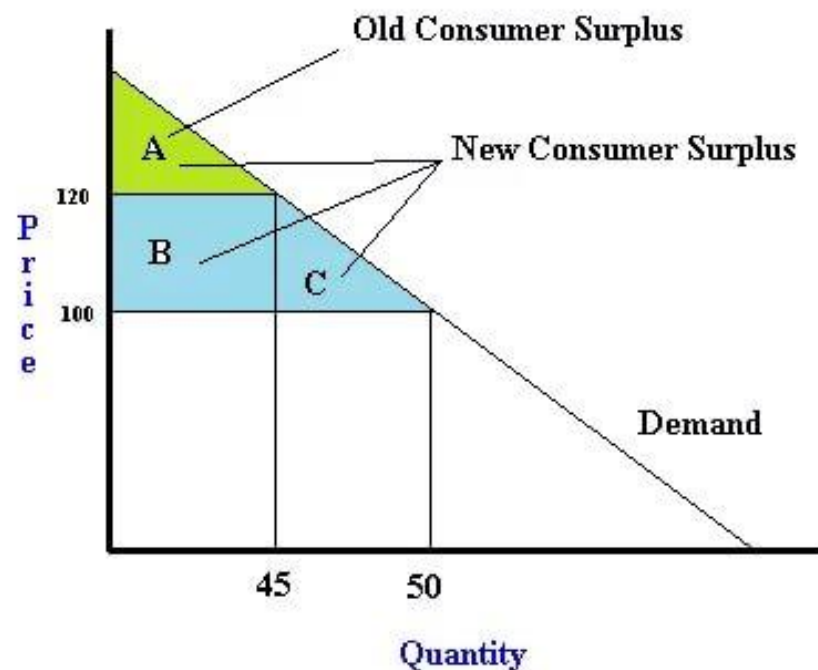
Table 1

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## Monopoly Consumer Surplus



Drawing 1. Name

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

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

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 inzhenom 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. *Ekspperimental'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 davleniia 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 orientirovaniia pokrenuleta tel'nogo apparata s opticheskoi golovkoisamonavedeniia* [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.