

Ministry of education of the Russian Federation
ONHP CORPORATE UNIVERSITY



VIII INTERNATIONAL RESEARCH & ENGINEERING TECHNOLOGY CONFERENCE SECTION OF STUDENTS AND SCHOOLCHILDREN

November 11, 2017, Omsk



Address of the organizing committee: 644050, 1 Engineers Boulevard, Omsk
ONHP corporate university: Tel./fax: (3812) 285-534, E-mail: postoffice@onhp.ru,
E-mail (organizing committee): conference@onhp.ru (In the subject line indicate "Conference"), Website: <http://onhp.ru/>



ANNOUNCEMENT

Dear colleagues,

We are pleased to invite you to take part in **VIII International Research & Engineering Technology Conference (section of students and schoolchildren)** to be held within November 11, 2017. The work of the sections will be held in Omsk.

The conference is a unique opportunity for experts in the exchange of experience in terms of scientific and technical and engineering developments and achievements.

The abstracts of the reports approved by the editorial board will be published in the conference proceedings book, which will be placed in the electronic library «eLibrary».

No admission fee for participation in the conference is required. Abstracts in electronic form will be available to all conference participants. Each speaker will be provided with one printed copy of the abstract. For additional printed copy, please inform the Organizing Committee additionally (the cost of the collection should be specified in the organizing committee of the conference). Sending copies by mail is not provided.

Conference languages: Russian, English.



CONFERENCE THEMATIC AREAS

Section of students

1. Oil and gas;
2. Offshore projects;
3. Information modeling;
4. New production technologies.

Section of schoolchildren

1. Chemistry and technology;
2. Ecology, resource saving and energy efficiency.

Participants can propose their own direction, corresponding to the subject of the report. The Editorial Board will consider the proposals.

CONFERENCE BUSINESS HOURS

*November 11, 2017, Saturday – registration of participants,
plenary meeting,
sessions, discussions,
closing session*

CONFERENCE VENUE

ONHP CORPORATE UNIVERSITY
1 Engineers Boulevard, Omsk, Russian Federation

E-mail: (Organizing Committee): conference@onhp.ru
In the subject line indicate "*Conference*"



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3. V. G. Homchenko, D.Eng.Sc., Professor of Omsk State Technical University.



ABSTRACTS SUBMISSION RULES

To participate in the work of the conference it is necessary to send the following materials to the e-mail (conference@onhp.ru):

✓ application for participation (pattern is in attachment 1) by **September 18, 2017**;

There is an opportunity to fill the application form at ONHP website <http://onhp.ru/> by clicking link «Take part in VIII International Research & Engineering Technology Conference (section of students and schoolchildren)» at homepage.

✓ *the text of the abstracts of the report (in an edited format), prepared in accordance with the requirements and example (attachments 2, 3) by **September 25, 2017**;*

All authors are solely responsible for the content and information submitted to be published in book of abstracts.

Conference Editorial Board reserves the right to reject the abstracts without disclosing the reason.

Speakers with approved abstracts will be invited prior to **October 10, 2017** to make a presentation or attend the conference as a listener. Upon receipt of invitation to the conference the invited person shall send to the conference address his/her report presentation in English or in Russian prior to **October 20, 2017** inclusive.



**Application for participation
in VII International Research & Engineering Technology
Conference**

Name (full name)	
Educational institution	
Social status	
Faculty, course	
Class (for schoolchildren)	
Conference Section	
Report Title	
Name (full name) of the teacher (for schoolchildren)	
Telephone number	
E-mail	

I am going to (please highlight selected «√»):

- make a report;
- take part in the discussion as a listener.



REQUIREMENTS TO THE EXECUTION

The abstracts are presented in 3-4 pages in electronic form in the text editor of Microsoft Office Word 2007 (in an edited format) with the following parameters:

- Paper size - A4 (210x297);
- Fields: the top - 1,8 cm; Bottom-1,7; The left one - 2.5 cm; Right -1,5 cm;
- Font - Arial;
- Font height-12;
- Paragraph indentation - 1.27 cm;
- Line spacing - single;
- Alignment - in width.

The title of the work is printed without indenting from above, in uppercase letters in bold straight type, without underscoring, size 14. The transfer of words in the title is not allowed. After the title (skip one line), the initials (ahead) and the names of the authors, size 12, are printed in lower case in lower case letters. After the author's surnames (one line pass), their position / qualification, the name of the organization / institution they represent is placed. The name of the organization is printed in the font accepted for the main text of the abstract. The text of the entire block is aligned to the width. The text of abstracts should contain the following mandatory sections: introduction (up to 10 lines) describing the nature of the work, the timing and place of its implementation; Purpose and objectives of the study; Methods of solving the tasks and the amount of material collected; results; conclusions; List of used literature. Figures and tables should be placed inside the text near the place of their first mention. Numbering of figures (graphs, diagrams, diagrams, etc.) and tables is separate. Single drawings and tables are not numbered. The numbers of the tables, figures and their names are located above them and are typed in a direct font, size 12. The picture captions are centered and typed in a straight font, size 10. Formulas in a separate line are centered, the formula number is placed in parentheses and aligned to the right margin. Single formulas are not numbered. Figures up to ten are written in words, from ten and above - in figures. References to quoted literature are placed at the end of the quotation (borrowed statement) or at the end of the phrase. The list of literature is printed in bold, direct font, size 12. Literary sources are ordered alphabetically, first the publications are placed in Russian, and then in foreign languages.

EXAMPLE OF THE EXECUTION OF THESE

IMPLEMENTATION OF BIM TECHNOLOGIES IN THE FIELD OF ENGINEERING SERVICES ON THE EXAMPLE OF THE SOFTWARE PRODUCT AUTODESK REVIT

O.V. Simbirev

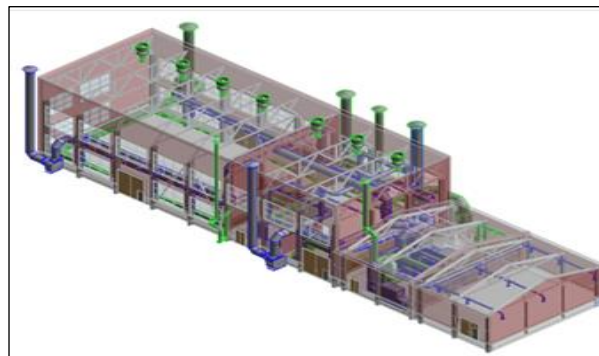
Technician 1 category PAO ONHP (Omsk)

Description BIM and Revit as a tool for the implementation and maintenance of work with information models;

BIM-model / information model of the construction - is a digital representation of physical and functional characteristics of the object using the set of elements and information that serves as a collective resource of knowledge about the design, construction, operation, modernization and demolition of the building project.

BIM-model presented in the development of the format, is the three-dimensional model of the object of construction, in which each element is linked to a database model and the 2D-display it on forms / drawings, with a variation of any element or information about it in the model is displayed in the database and On types / drawings [1].

Figure 1. Appearance of the information model of the object in the Autodesk Revit API



Bibliography:

1 Analysis of the current situation in the Russian BIM-market in the field of civil construction - CADMASTER, №3, 2015.

2 No. 926 / pr of December 29, 2014 "On approval of the Plan for the phased introduction of information modeling technologies in the field of industrial and civil construction". - MINSTROI RUSSIA, - Moscow.

3 Recommendations on the implementation of the project of information modeling - OOO "PSS".