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## ANALYSIS OF THE A-FRAME DERRICK ERRECTION

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**Abstract.** On the basis of the engineering design as well as technical and economic comparison of the options according to the criterion of the minimal discounted capital costs of mining operations and the acquisition of the heading and transportation equipment, the article calculates the operating costs of ore hoisting and transportation.

**Keywords:** mine workings, ore hoisting and transportation, construction

### Article submission guidelines

Materials must be submitted to the organizing committee in the form of an article saved as a Microsoft Word – compatible file. The text should be formatted for Times New Roman font, with the title of the article printed in semi-bold, capital, 12 font size; the authors' names printed in capital, 11 font size; the name of the organization, abstract, and keywords printed in 11 font size; the text of the article printed in 12 font size with the interval of 1, right and left margins of 25 mm, top and bottom margins of 25 mm).

The list of references is required to be made in accordance with national standard (GOST) in 11 font size.

## Conference Registration Form

1. Full name \_\_\_\_\_

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Every field is required to be filled in.

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### Conference Venue

The second educational building of the Ural State Mining University, 9 Universitetskiy Lane, Yekaterinburg.

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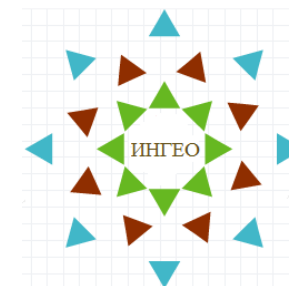
“URAL STATE MINING UNIVERSITY”

Mining Department

VIII International scientific and technical conference

“INNOVATIVE GEOTECHNOLOGIES IN THE DEVELOPMENT OF METALLIC AND NON-METALLIC DEPOSITS”

within the framework of XVII URAL MINING DECADE



CONFERENCE INFORMATION LEAFLET

April 4-5, 2019

Yekaterinburg

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### Dear colleagues,

We are pleased to invite you to attend **VIII International scientific and technical conference “Innovative geotechnologies in the development of metallic and non-metallic deposits”** which is to be held within the framework of XVII URAL MINING DECADE on April 9-10, 2019.

The conference is devoted to the results of the fundamental and applied researches on the problems of the earth sciences; the issues related to the use of computer technologies in mining, the modeling of mining and geological conditions, the implementation of new methods of geometrization and prediction of the state of the geological environment; the problems with robotization and automation of production processes at mining enterprises, the increase in the level of training of mining engineers.

### Conference topics

1. Improvement in the underground mining technology;
2. Improvement in the opencast mining technology;
3. Geomechanical support of mining;

4. Integration in the use of natural deposits in the course of mining;
5. Sustainable land management;
6. Modeling and calculations of the complex technological systems in the course mining
7. Use of remote and automated technologies in mining of useful minerals;
8. Geometrical and graphic modeling in engineering education;
9. Actualization of the regulatory framework of mining design projects and operations.

### Conference participation requirements

The conference is aimed for industrial workers, scientists, teachers, and post-graduate students.

The participation is possible without the conference attendance.

To participate in the conference it is necessary to submit

- conference registration form
- text of the article formatted in accordance with the article submission guidelines
- act of expert examination for the open publication (scanned copy)

The conference materials will be published in the collection of scientific papers. **The conference collection of scientific papers is indexed in the database of the Russian Science Citation Index (RSCI)**

**Publication is free of charge**

### Conference Deadlines

Submit your conference registration forms **by February 1, 2019**

Submit your presentations and articles **by February 11, 2019**