

REQUIREMENTS TO CONFERENCE

PROCEEDINGS

Articles should be submitted to the organizing committee not later than on **30th March 2016** in *Microsoft Word* text editor in *doc* file for *Windows*. Font **Times New Roman**, size - **12**; interval - **1**; left and top margin - **30 mm**, right and bottom margin - **25 mm**; submission e-mail: MKKorovin@vandex.ru

Maximum report size is 2 full A4 pages.

Avoid hyphenation. Figures and tables should not occupy more than one A4 page. Place figures within the Word Document with the help of Microsoft Word tools "Insert a picture" and "Text box" (to mark figures).

Preferred files for: for graphs and charts - **EPS, TIFF** (uncompressed) or **JPG**, resolution - **150 dpi**, maximum format A4 size; for photos - **GIF**, gray scale. References in the text should be presented in square brackets specifying the number of reference. Example: [1]. Place references one space from the article body. References should be in alphabetical order according to the authors.

ARTICLE STRUCTURE

Paper title (**Arial 10** in bold capital letters in the centre), next line -interval 1, Initials and last name of the author (**Arial 12** low-case); next line - interval 1,5 (**Arial 10** bold italic) - Position, initials and last name of the scientific advisor: next line - interval 1,5 (**Arial 9** bold italic) - full name of the institution, city, country; next line -interval 1,5 - text of the paper. Avoid abbreviations.

E-mail your article and application form to: MKKorovin@vandex.ru. The file should be named according to the following format: number of panel, author's surname and type of document (For example: 5_Ivanov_application form; or 5_Ivanov_article).

The article should be signed both by the author and the scientific advisor.

In case when the article doesn't meet the above mentioned requirements, it will not be published.

Participation in the Symposium is free. Publications will follow. Conference materials will be published as a Book of proceedings by the beginning of the Conference.

The best report competition will be held in frames of XIX Russian scientific conference of young scientists. The best articles will be published in "Environmental Earth Science" journal indexed by SCOPUS.

CONFERENCE PANELS

Panel 1 - The history of the Arctic and Antarctica development.

Panel 2 - The natural resources of the Arctic and their development.

Panel 3 - Geological, geochemical, hydro geochemical and geophysical surveys of the Arctic water, shelf, ice and atmosphere. Marine geology and its technologies.

Panel 4 - Modern systems, equipment and technology for underwater exploring of the Arctic shelf.

Panel 5 – Environmental and climatic changes in the Arctic and the surrounding areas.

Panel 6 – Siberian Arctic shelf: the source of large-scale greenhouse gas emissions. Quantitative assessment of emission rates and evaluation of possible environmental consequences.

Panel 7 – Features of the Earth's magnetic field and its changes in the Arctic. The impact of this phenomenon on the development of the planet Earth.

Panel 8 - The Northern Sea Route in the Arctic and its prospects. Modern transport technology and its improvement in the extreme conditions of the Arctic.

Panel 9 - Man in the Arctic. The human body, its opportunities in the extreme Arctic conditions!

Panel 10 - Geoecological problems of Arctic exploration. The influence of anthropogenic impact on the natural environment of the Arctic. Environmental risks. Security and protection of the Arctic region.

Panel 11 - Space research methods of natural phenomena and resources in the Arctic.

Panel 12 - Modern information technologies in geology and geocology in the development of the Arctic.

Panel 13 - Economy of the Arctic development and its resources.

Panel 14 - The Arctic and its development (in English).

Panel 15 – Raw hydrocarbon processing and oil product development for operation in extreme Arctic conditions.

Debating club «Sanikov Land? Myth or Reality»

Article and results will be published on:
<http://portal.tpu.ru/science/konf/korovin>

Dedicated to **120th** Anniversary of TPU

In memory of Honored master of Science and Engineering, Professor M.K. Korovin



**Ministry of Education and Science of Russian Federation
National Research
Tomsk Polytechnic University
Institute of Natural Resources**

**NEWSLETTER
XIX RUSSIAN SCIENTIFIC CONFERENCE
IN HONOR OF M.K. KOROVIN
“RESEARCHES OF YOUNG SCIENTISTS –
THE STEP TO THE SUCCESSFUL FUTURE:
“THE ARCTIC AND ITS
DEVELOPMENT”**

prizes for the best reports will be awarded.

Mikhail Kalinnikovich Korovin (19th Nov. 1883 – 19th Feb. 1956) - an outstanding scientist, geologist, teacher, professor, Honored Worker of Science and Technology, State Prize winner, a graduate of Tomsk Polytechnic University (formerly TTI), a disciple of Academician Obruchev. The first scientist and geologist, theoretically proved promising oil and gas reserves in Siberia, he has also initiated exploration for oil and gas in Siberia. Foresight of the great scientist has been confirmed.

Dear students and colleagues!

We would like to invite you to take part in the XIX Russian scientific conference in honor of M.K. Korovin “Researches of young scientists – the step to the successful future “The Arctic and its development”. Conference will be held at Institute of Natural Resources of Tomsk Polytechnic University.

Attention!

The following activities will be held in frames of the conference:

1. Lectures of prominent scientists and experts on the topics of the conference.
2. Master Class of honored scientists in the areas of conference scientific research.
3. Competition for the best scientific report among the participants of the conference on the topic "The Arctic and its development."
4. Exhibitions:
 - The road to white horizons,
 - Tomsk tracks in the Arctic
5. Watching of films about the Arctic.
6. Meeting and conversation with the famous polar explorers.
7. Acquaintance with the book collections in the exhibition of scientific and technical library of TPU on the topic: "The first Arctic expedition."

OTHER ACTIVITIES

Following tours will be available:

Tomsk Polytechnic University and Institute of Natural Resources, including Mineralogical and Paleontological Museum, Memorial Museum of Academicians V.A. Obruchev and M.A. Usov.

Extra tours:

Siberian Botanical Garden, Museum of Rare and Antique Books and Manuscripts, Tomsk Polytechnic University History Museum, Round-the-city tour, and others. Festive evening will be organized for the participants where the

PARTICIPATION REQUIREMENTS

Participants: students of the 1-4 year of study, postgraduates. Full- or part-time participation is available. Within the deadline **30th March 2016** the following documents should be submitted to the **Organizing Committee**:

- Application Form;
- Article, written in accordance with the Editorial Requirements

Electronic variant should be sent to the e-mail: MKKorovin@vandex.ru; printed copy should be brought to the Organizing Committee or it could be posted to the Organizing Committee, Address: 2/5 Lenin Avenue, Tomsk, 634050, Russia

DATES OF THE CONFERENCE

Conference will be held within the period of **10th -14th October, 2016.**

Applications and articles acceptance deadline - **30th March 2016.**

Results of the competition for the best reports – **14th October 2016.**

CONFERENCE SCHEDULE

October 10 - Registration and accommodation,

October 11 - Opening

October 12-13 - Panels

October 14 – Closing and awarding ceremony.

LANGUAGE

Official languages of the conference are Russian, English. Simultaneous or consecutive interpretation is not provided.

CONFERENCE VENUE

TPU's lecture rooms equipped with screen projection and computer units.

ACCOMMODATION

TPU hostels, health centre and hotel will be provided. Accommodation rates: TPU hotel - 1500 rubles / night
TPU Health centre - 600 rubles / night
Accommodation at Tomsk hotels is also available:
Hotel rates - 1500 rubles / night minimum

HOW TO GET TO TPU

- Bus route 119 from Airport to “Tomsk Polytechnic University” stop.
- Trolleybus route 4, bus route 12, tram route 2 from Railway station to “Lagerniy Garden” stop.

Registration will take place at Tomsk Polytechnic University, Building 20 (Tomsk, 2/5 Lenin Avenue)

APPLICATION FORM REQUIREMENTS FOR XIX RUSSIAN SCIENTIFIC CONFERENCE IN HONOR OF M.K. KOROVIN

“RESEARCHES OF YOUNG SCIENTISTS - THE STEP TO THE SUCCESSFUL FUTURE: “THE ARCTIC AND ITS DEVELOPMENT”

1. Last name, first name, middle name of the author(s), date of birth
2. Name and address of the university/organization
3. Department, major, year of study, group number (for students and postgraduates); position, academic degree, academic status (for young scientists)
4. Report title
5. Panel
6. Last name, first name, middle name, position, academic degree, academic status of the scientific adviser
7. Form of participation (full-time, part-time)
8. List of necessary equipment
9. Address and phone number (e-mail, fax)

Date

Signature

Organizing Committee Contact Information

Address: 2/5 Lenin Avenue, Tomsk, 634050, Russia

Scientific secretary:

Galina Ivanova

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Room 223, Building 20 of TPU (2/5 Lenin Avenue)

More detailed information you can get on TPU's web site: