

*Dear Colleagues!*

We are very glad to invite you for participation in the 4th Congress with international participation and scientific-technical conference of young scientists on recycling and utilization of technogenic formations «**TECHNOGEN – 2019**», which will be held 18–21 of June 2019.

Major aims of the event:

- to conduct analysis of scientific basis, research and technical solutions on recycling of technogenic wastes;
- to assess the situation of raw materials complex processing on industrial enterprises;
- to explain the fundamental and applied research directions of scientific research institutes of RAS, NRU and universities in the field of clearance and utilization of production waste;
- to expand the database on prospective technologies.

Cooperation of the science, government and business serves a profound foundation for the identification of the most important directions of the waste-recycling manufacturing.

Program of the Congress includes the discussion of the plenary and oral presentations of papers on the following topics:

**1. Types, volumes and compounds of technogenic wastes (overburden rocks, mill tailings, slags, sludges and dusts of chemico-metallurgical recycling) of mining and metallurgical industries;**

**2. Scientific research on structure and physico-chemical properties of solid, liquid and gaseous products of manufacturings;**

**3. Theoretical basis and technical solutions on**

**utilization of technogenic wastes with maximum extraction of components and organization of waste-free manufacturing;**

**4. Technico-economical assessment of technogenic wastes recycling efficiency. Ecological aspects of storage, processing and recycling of technogenic formations;**

**5. Modern technological solutions on clearance of technological gas, processing of ash from burning carbon-containing fuel, radioactive, organic and solid domestic waste;**

**6. Developed technologies on utilization of solid domestic and municipal wastes.**

Within the Congress there will be following events:

- the Conference «Technogen-2019»;
- scientific-technical conference of young scientists;
- round table «Scientific research and project solutions in the field of improvement of mining and smelting complex of Ural;
- round table on the issues of red slags recycling;
- round table «The use of scientific equipment for the solution of technological and ecological issues»;
- round table «Fundamental basics of energy resource effective and ecologically safe recycling of technogenic wastes» - intermediate results of accomplishing interdisciplinary scientific projects.

The organizing committee invites to participate in the work of the Congress:

- Top management of enterprises and educational organizations
- Leading employees of factories, universities, specialized and academic science organizations, R&D laboratories and enterprises.

## Publication

In order to finalize the program of the Congress it is required to send all the material before the 10th of April 2019. Report in the form of article should be formatted in .doc or .docx, maximum 6 pages A4 with pictures, tables and diagrams (bmp or jpg), Times New Roman, font size 12, spacing 1,5, all margins 2 cm.. Sample of the paper formation can be found on the website [www.technogen-ural.ru](http://www.technogen-ural.ru).

Articles will be revised prior publishing.

The conference proceedings will be published prior the conference.

Organizers do not cover expenses for transport, accommodation and meals. Those who want to participate should register for the participation on the website of the Congress. We also kindly ask you to inform other interested organizations and people about the Congress.

Invitation tickets, program and the regulation on the events will be published on the official website 30 days prior to the beginning of the Congress.

Organizing committee contacts

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101 Amundsen st.,

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## Organizers:

### Co-chairmen:

- Leontiev L.I. – Chairman of the Research council on metallurgy and physical metallurgy of RAS, member of the Presidium of RAS, academician of RAS
- Kuznetsov A.V. – Minister of Natural Resources and Environment of Sverdlovsk Region
- Panyshin A.M. – Technical director of Ural mining and Metallurgical company

### Organizing committee:

- Bamburov V.G. – Chief scientist of Institute of solid state chemistry of Ural branch of RAS, corresponding member of RAS
- Bulatov K.V. – Director General of OJSC “Uralmekhanobr”
- Gazaleeva G.I. – Head of the Department of ore preparation and special research methods of «Uralmechanobr»
- Demin B.L. – Executive director of Ural Institute of Metals
- Dmitriev A.N. – Chief Researcher of Institute of Metallurgy of UB RAS
- Kornilkov S.V. – Director of Institute of Mining Engineering of UB RAS
- Kostina M. V. – Academic secretary of the Scientific Council on metallurgy and metal research of DCSM of the RAS
- Lapin V.A. – Director of the Technical university of the UMMC
- Mikhajlov G.G. – Head of the department of the South Ural State University
- Rempel A.A. – IMET UB RAS, Director, corresponding member of RAS
- Saloutlin V.I. – Deputy Director for science of Institute of Organic Synthesis of UB RAS, corresponding member of RAS
- Selivanov E.N. – IMET UB RAS, Laboratory head
- Startseva O.P. – Chairman of RPO “Ural Ecological Initiative”
- Chesnokov Yu.A. – IMET UB RAS, Laboratory head
- Sheshukov O.Yu. – Director of “INMT UrFU named after B.N. Yeltsin”
- Yakornov S.A. – Deputy Technical Director and Head of the Department of strategic planning management of “UMMC-Holding” Corp.

### Program Committee:

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- Grigorovich K.V. – Deputy Chairman of the Scientific Council on metallurgy and metal research of the Research council on metallurgy and physical metallurgy of RAS, corresponding member of RAS
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- Zaykov Yu.P. – Academic director of Institute of High Temperature Electrochemistry of UB RAS –
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- Koksharov V. A. – Rector of “Ural Federal University named after the first President of Russia B.N. Yeltsin”
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- Myasoedov B.F. – RAS councilor, D. Mendeleev University of Chemical Technology of Russia, academician
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- Nikolaev A.I. – Deputy director of the Institute of Chemistry and Technology of Rare Elements and Mineral Raw Materials, corresponding member of RAS
- Osipov V.I. – Academic director of Institute of Environmental Geoscience of RAS, academician
- Perestoronin S.V. – Minister of Industry and Science of Sverdlovsk region
- Chanturiya V.A. – Scientific advisor of the Institute of the problems of integrated development of mineral resources of RAS, academician
- Charushin V.N. – Chairman of the Ural Branch of the Russian Academy of Sciences, Director of Institute of Organic Synthesis of UB RAS, academician
- Shestakov A.L. – Rector of South Ural State University
- Members of the International Program Committee:**
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- Zinigrad M.I. – Rector of Ariel university, Israel
- Kozhakhmetov S.M. – President of ENTTS “Metals and materials”, academician, Republic of Kazakhstan
- Linn H.A. – President of «Linn High Therm GmbH», Germany
- Onuralp Yücel – Professor of Istanbul Technical University (ITU), Department of Metallurgical and Materials Engineering, Turkey
- Chen Kai – “Shandong Iron & Steel Group Co. Ltd.”, Shandong, China
- Vincenzo Dovi – Professor of the University of Genoa (UNIGE), Department of Chemistry and Industrial Chemistry

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PRESIDENT OF RUSSIA B.N.YELTSIN**



**Congress  
«Fundamental research and applied developing  
of recycling and utilization processes  
of technogenic formations»**

FIRST ANNOUNCEMENT

18-21 June 2019  
Yekaterinburg