



TECHNICAL UNIVERSITY OF KOŠICE
Faculty of Materials, Metallurgy
and Recycling



The Faculty of Materials, Metallurgy and Recycling continues in its good tradition of production and presentation of student works at domestic and international competitions of specialized scientific student activities.

Due to the previous experiences and with a view to improve the preparation of our students for an individual scientific work, the dean of Faculty of Materials, Metallurgy and Recycling of the Technical University of Košice announces

The Student's Scientific Conference METALLURGY 2020

The conference will be held on

21.4.2020

Students of other universities and colleges not belonging to the Faculty of Materials, Metallurgy and Recycling are welcome to take part in the Student scientific conference. We expect the student scientific conference to be an effective way to develop creative thinking, talents and abilities of the students.

The conference will include 5 sections:

I. Metallurgy

- Metallurgy of Iron and Steel
- Metallurgy of Non-Iron Metals
- Foundry

II. Materials

- Materials Engineering
- Materials Forming

III. Energy Engineering and Industrial Ceramics

- Thermal Energetics
- Gas Transport
- Technologies of Non-Metallic Materials

IV. Environmental

- Recycling and Wastes Treatment
- Environmental Analysis

V. Integrated Management Systems

- Integrated Management Systems

The selection of students, who will take part in the faculty round of METALLURGY 2020, will be done at the institutions rounds held before **9. 4. 2020**. The competition works for the faculty

round of METALLURGY 2020 have to be delivered to the Head of the organization committee in two printed copies and an electronic form before **15. 4. 2020**.

The maximum number of engineering study works enrolled from the institute round to individual sections allowed is nine. The maximum number of bachelor study works enrolled from the institute round to individual sections allowed is three. The total number of works in sections is limited to twelve. Exceptions are allowed and will be decided by organization committee for works out of Faculty of Materials, Metallurgy and Recycling (e.g. in the case of a significant increase in the number of works in one section).

Awards for each sections:

- 1st place 200 €
- 2nd place 150 €
- 3rd place 100 €
- special prize for the best work of the freshman year of engineering studies 50 €
- special prize for the best work of bachelor studies (3rd year of study) 50 €

The jury may exercise its right not to award certain prizes, or to award other special prizes. **It is mandatory for the jury to select the results of the competition at least one hour after the end of the competition.**

The form of the work for the Student scientific conference METALLURGY 2020

Structure of the text:

- **Abstract in a world language** (non-Slavic)
- **Introduction** – starting with the breakdown of the current knowledge of the problem based on specialized literature and ending with the part defining the scale of possible solutions
- **Material and experimental methods** – defines the area of study and the actual experiment – its conditions and course of development, describes the methods used for the experiment (it does not apply to compilation works)
- **Analysis of results** (it does not apply to compilation works)
- **Conclusion**
- **Literature**

The maximum size per work allowed is 20 pages, including pictures and tables. The formal level of work must comply with the [ETD template](#) for writing works with previously mentioned structure of the text.

The organization committee reserves the right for the selection of works with regard to their level of formality. **The works that will not comply with the required criteria or the time scale will not be selected for the competition.**

The members of the jury of all of the sections will evaluate:

- Content (max. 30 points)
- Presentation (max. 30 points)
- Argumentation, ability of students to defend their works (max. 30 points)
- Visualization, Graphs (max. 10 points)

Organization Committee of The student's scientific conference METALLURGY 2020:

assoc. prof. Mária Heželová, PhD.

Head of Organization Committee

phone:+421 55 602 2307

e-mail:maria.hezelova@tuke.sk

assoc. prof. Mária Hagarová, PhD.

Member of Organization Committee

phone:+421 55 602 2541

e-mail:maria.hagarova@tuke.sk

assoc. prof. Ľubomír Pikna, PhD.

Vice Dean for Education

phone:+421 55 602 2307

e-mail:lubomir.pikna@tuke.sk

Košice, February 2020