



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 to improve the preparation of our students for individual scientific work, the dean of the Faculty of Materials, Metallurgy and Recycling of the Technical University of Košice announces

## **The Student's Scientific Conference **METALLURGY 2022.****

The conference will be held on  
**21.4.2022.**

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 the creative thinking, talents, and abilities of the students.

**The conference will include four sections:**

### **I. Metallurgy and Energetics**

- Metallurgy of Iron and Steel
- Metallurgy of Non-Iron Metals
- Foundry
- Thermal Energetics
- Gas Transport
- Inorganic Technologies and Materials

### **II. Materials**

- Materials Engineering
- Materials Forming

### **III. Environmental Studies**

- Recycling and Waste Treatment
- Environmental Analysis

### **IV. Integrated Management Systems**

- Integrated Management Systems

The competition works for the faculty round of METALLURGY 2022 have to be delivered to the Head of the conference committee in an electronic form before **12. 4. 2022.**

The total number of works in sections is limited to twelve. Exceptions are allowed and will be decided by the conference committee for works out of the 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 (3<sup>rd</sup> year of study)                    50 €

The jury may exercise its right not to award certain prizes, or to award other special prizes.

**The jury must 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 2022**

Structure of the text:

- **Abstract in a world language**
- **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 the previously mentioned structure of the text.

Concerning the level of works formality, the conference committee reserves the right to their selection. **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, the ability of students to defend their works (max. 30 points)
- Visualization, Graphs (max. 10 points)

#### **Organization Committee of The student's scientific conference METALLURGY 2022:**

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