

*Circular Economy - Strong Tool for Sustainability of Industry*

**TECHNIKA OCHRANY PROSTREDIA**

# TOP 2023

**27<sup>th</sup> Year of International Scientific Conference  
November 14-16, 2023, Grand Hotel Starý Smokovec, Slovakia**

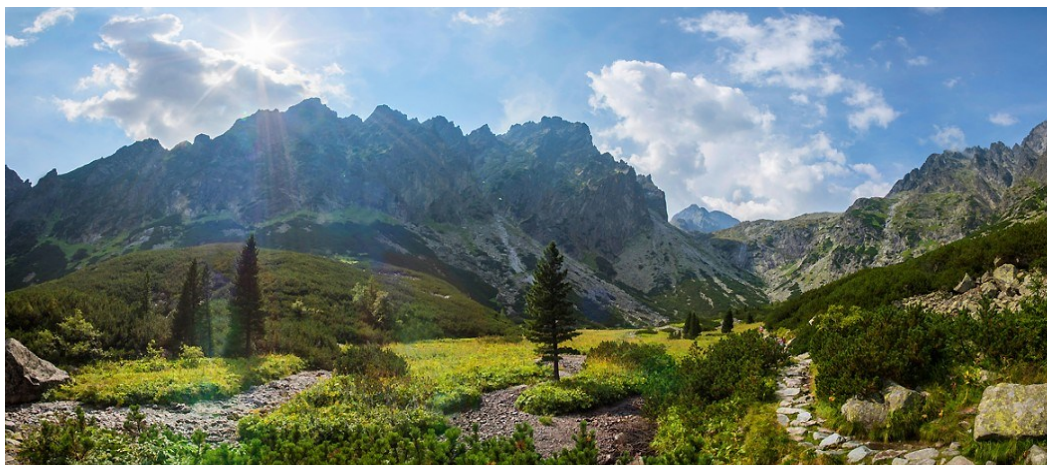
*Organizer*



**SLOVENSKÁ TECHNICKÁ  
UNIVERZITA V BRATISLAVE  
STROJNICKÁ FAKULTA**



*Co-organizers*



[www.top2023.elfa.sk](http://www.top2023.elfa.sk)

Dear Ladies and Gentlemen,

we would like to invite you to the 27<sup>th</sup> Year of International Scientific Conference, which traditionally builds on previous successful years organized by the Faculty of Mechanical Engineering of the Slovak University of Technology in Bratislava.

A high level of professionalism and non-binding conversations in the social part of the conference will certainly benefit every participant. Active participation is possible in the form of scientific and professional lectures, as well as product exhibitions and company presentations. We believe that an attractive conference venue will contribute to a pleasant and fruitful atmosphere.

TOP 2023 Organizing Committee

## Conference Topics

### 1. Progressive Technologies for Industrial Waste Recovery

EU/Slovak policies, strategies and legislation in waste management - circular economy - progressive recovery technologies - economic and financial instruments - methods for assessment and decision-making - Eco-Design and Eco-Labeling - education and training

### 2. Material Recovery Technologies and Advanced Recycling Technologies

end-of-life of vehicles - tyres, batteries and accumulators, oil, paper, metals, plastics, glass, textiles, packaging materials - material and raw material recycling - cleaner technologies - environmental engineering - critical raw materials for the EU - strategic technologies and sectors in the EU

### 3. Energy Recovery of Waste - "Waste-to-Energy"

progressive technologies and methods - industrial and municipal waste (collection, sorting, incineration, gasification, liquefaction) - environmental assessment - fuels from waste

## Deadlines

### Registration

[www.top2023.elfa.sk](http://www.top2023.elfa.sk)

Abstract first version (EN)

**August 30, 2023**

Notification about abstract acceptance

**September 17, 2023**

Final version of contribution (EN) for publication in journals

**September 30, 2023**

Conference final program

**November 5, 2023**

## Conference language

The conference languages are English, Slovak, Czech and Polish. Abstracts, papers and posters must be prepared in English according to the template published on the conference website. Proceedings with abstracts will be distributed at the time of the conference. **Selected papers (max. 6 pages) will be published in the thematically oriented issue of the peer-reviewed journal Waste Forum (ISSN: 1804-0195, SCOPUS) and in the Journal of Mechanical Engineering (ISSN 0039-2472, online ISSN 2450-5471, SCOPUS).**

## Award Ceremony "TOP 2023"

Organizing committee announces the competition in the following categories:

- **Environmental Technology** (awarded by Slovak Centre of Scientific and Technical Information, companies can submit new technologies, machinery and equipment to the competition)
- **Progressive Idea** (awarded by Association of Slovak Scientific and Technical Societies, all papers published in the proceedings and presented at the conference are included into the competition)
- **Student Work** (awarded by Automotive Industry Association of the Slovak Republic, competition is open to university students with diploma thesis until 20.09.2023)

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## Scientific and Program Committee

- ▲ Dr.h.c. prof. Ing. Ľubomír Šooš, PhD., Slovak University of Technology, Slovakia (Committee Chair)
- ▲ Dr.h.c. mult. prof. Ing. Miroslav Badida, PhD., Technical University of Košice, Slovakia (Committee Co-Chair)
- ▲ prof. PharmDr. Ján Kyselovič, CSc., Slovak Centre of Scientific and Technical Information, Slovakia
- ▲ Ing. Alexander Matušek, Association of Automotive Industry of Slovak Republic, Slovakia
- ▲ prof. Ing. Dušan Petráš, PhD., Association of Slovak Scientific and Technical Societies, Slovakia
- ▲ doc. Ing. Jiří Hlinka, PhD, Brno University of Technology, Czech Republic
- ▲ prof. Ing. Pavol Ochotnický, PhD., University of Economics in Bratislava, Slovakia
- ▲ prof. Ing. Rudolf Sivák, PhD., University of Economics in Bratislava, Slovakia
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- ▲ prof. Ing. Mirjana Miloradov, PhD., University of Novy Sad, Republic of Serbia
- ▲ prof.i.R. Dipl. Ing. Dr. Mikuláš Luptáčik, University of Vienna, Austria
- ▲ Prof. Dr. Ing. Dr.h.c. Bernd Friedrich, IME Metallurgische Prozesstechnik und Metallrecycling, Germany
- ▲ Ing. Alois Studenic, EUCS Ingenieurbüro GmbH, Austria
- ▲ Prof. DSc. Stanislav Legutko PhD. MSc. Eng., Poznan University of Technology, Poland
- ▲ doc. Ing. Jaroslav Katolický, PhD., Brno University of Technology, Czech Republic
- ▲ Ing. Ján Pribula, Association of Automotive Industry of Slovak Republic, Slovakia
- ▲ prof. Ing. Dagmar Juchelková, PhD., VSB - Technical University of Ostrava, Czech Republic

## Organizing Committee

- ▲ doc. Ing. Lýdia Sobotová, PhD., Technical University of Košice, Slovakia (Committee Chair)
- ▲ doc. Ing. Iveta Čačková, PhD., Slovak University of Technology, Slovakia (Committee Co-Chair)
- ▲ Mgr. Andrea Putalová, Slovak Centre of Scientific and Technical Information, Slovakia
- ▲ Ing. Tibor Dzuro, PhD., Technical University of Košice, Slovakia
- ▲ Ing. Štefan Fejedelem, elfa, Ltd., Košice, Slovakia
- ▲ doc. Ing. Ľudovít Kolláth, PhD., Slovak University of Technology, Slovakia
- ▲ Ing. Lucia Ploskuňáková, Slovak University of Technology, Slovakia
- ▲ Ing. Miroslav Horvát, PhD., Slovak University of Technology, Slovakia

### Media Partners



## Preliminary Program

### November 14, 2023

- 14:00 - 18:00 Registration
- 18:00 Welcoming
- 18:00 - 20:00 Dinner

### November 15, 2023

- 08:00 - 09:00 Registration
- 09:00 - 09:15 Opening Ceremony
- 09:15 - 12:00 Plenary Session
- 12:00 - 14:00 Lunch
- 14:00 - 17:00 Special Sessions
- 18:30 Gala Dinner and Award Ceremony „TOP 2023“

### November 16, 2023

- 09:00 - 12:00 Plenary Session
- 12:00 - 12:30 Conclusion
- 12:30 - 14:00 Lunch

## Fees and Financial Information

Active Participation (with publication)	500 €
Passive Participation (without publication)	350 €
Publication without attendance at conference	250 €
Accompanying Person (lunch, refreshment, social program)	200 €
Student Participation	250 €
Company Presentation (presentation, kiosk, 2x attendance)	1 500 €

The fee includes: VAT, conference attendance, refreshments, conference materials and proceedings, technical support, social agenda. **The fee does not include accommodation! The reservation of accommodation and its payment is handled by each participant himself/herself.** Payment for the conference is possible by bank transfer or cash on site at the venue. Please note that all bank and transfer fees should be paid by the sender so that the organizing committee receives the exact amount indicated in the registration. In the message to the recipient, please write: TOP2023 / participants\_name.

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## Conference Venue



## Grandhotel <sup>★★★★</sup> Starý Smokovec

Grandhotel Starý Smokovec  
Starý Smokovec 38  
062 01 Vysoké Tatry  
Slovakia

Reservation of Accommodation:

Tel: +421 44 290 13 39  
e-mail: reservation@grandhotel.sk

Hotel Reception:

Tel: +421 52 47 80 000  
e-mail: info@grandhotel.sk



## Conference Office

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