

Evaluation of the 66th Annual Student Scientific and Professional Activity Conference (ŠVOČ) DF TUZVO 2026

On May 14, 2026, the 66th annual Student Scientific and Professional Activity Conference (ŠVOČ) of the Faculty of Wood Sciences and Technology at the Technical University in Zvolen took place at the university campus in Zvolen, Slovakia.

This year's conference brought together 59 participants who presented a total of 54 scientific and professional papers across seven specialized sections.

Basic Conference Statistics

- Number of sections: 7
- Number of presented papers: 54
- Number of participants: 59
- Number of international participants: 6
- Number of external universities: 5

Conference Sections

- PhD Section
- Technological and Technical Section
- Safety Sciences Section
- Economics, Management and Entrepreneurship Section
- Marketing, Trade and Innovation Management Section
- Art and Design Section
- Secondary School Section

International and External Universities

The conference welcomed students and academic guests from the following universities:

- Poznań University of Life Sciences
- Warsaw University of Life Sciences
- Technical University of Košice
- Matej Bel University
- University of Ss. Cyril and Methodius in Trnava

Partner Companies

An important part of the conference program included presentations by partner companies:

- JAF HOLZ
- Kronospan

- Rettenmeier

The companies introduced current trends in the wood-processing industry, material innovations, manufacturing technologies, and opportunities for cooperation between academia and industry.

Awarded Papers

Technological and Technical Section

1st Place

Bc. Marek Eduard Mikuš

Tepelné vlastnosti konopného betónu a aplikácia v stenách na báze dreva

(Thermal Properties of Hemp Concrete and Its Application in Wood-Based Walls)

2nd Place

Bc. Lukáš Nemeč

Subjektívne vnímanie povrchu borovicového dreva: experimentálna haptická štúdia

(Subjective Perception of Pine Wood Surface: An Experimental Haptic Study)

3rd Place

Nikola Kucharczyk

Evaluation of Plant-Derived Dye Powders as Bio-Renewable Filler Substitutes in MUF-Bonded Alder Plywood

Marketing, Trade and Innovation Management Section

1st Place

Vanesa Dvorošková

FLÓRUM – Synergy of Architecture and Floristics in an Academic Environment

2nd Place

David Ondráčka

Competitiveness of Slovak Furniture in the Context of EU Export Markets

3rd Place

Dáša Dragunová

Application of Creativity Methods in the Design of a Socially Responsible Product Considering Sustainability Principles

PhD Section

1st Place

Ing. Katarína Trojanová

Improving Thermal Resistance of Wood and Wooden Materials Using Polyurea with Expandable Graphite

2nd Place

Joanna Młodziejewska

Natural Coatings for the Packaging of the Future: The Effect of Thyme Essential Oil, Thymol, and Carvacrol on the Properties of Paperboard

3rd Place

PhDr. Mgr. Dana Vargová

CAF Model (Common Assessment Framework) as an Innovative Tool for Performance Management and Strategic Decision-Making in Organizations

Award of the Section Guarantor

[for an exceptionally high professional standard in presenting a wood-related topic in a foreign language]

Ing. Martin Synák-Varga

Theoretical and Methodological Framework of Craft-based Entrepreneurship in Specialty Wood Products

Safety Sciences Section

1st Place

Bc. Martin Paluš

Analysis of Critical Evacuation Parameters of the TUZVO Building Using Computational Methods and Pathfinder Software

2nd Place

Bc. Michal Veselý

Volatile Products of Thermal Decomposition of Materials in the KPO Laboratory Working Environment

3rd Place

Bc. Gabriela Bartková

Radiation Models in Fire Modelling

Art and Design Section

1st Place

Bartosz Krzewina

Resin and Wood – New Approaches to Designing Hybrid Guitar Bodies

2nd Place

Nina Fridmanová, Júlia Knapíková

Hokerlík as the First Object: From Sketch to Real Prototype

3rd Place

Bc. Martina Kollová

Experimental Design as a Confrontation of Function, Fragmentation and Artistic Expression in Interior Space

Economics, Management and Entrepreneurship Section

1st Place

Bc. Andrea Gréčová

Analysis and Optimization of Logistics Activities in a Selected Enterprise

2nd Place

Júlia Berežňáková

Political Fundraising as Part of Financing the Preparation and Conduct of the Presidential Election in the Slovak Republic

Filip Laco

Political Fundraising as Part of Financing the Preparation and Conduct of the Presidential Election in the Slovak Republic

3rd Place

Bc. Nikola Černáková

Quality Management Systems in Industrial Enterprises in Slovakia

High School Section

1st Place

Terézia Staňová

Microplastics in Water and Their Impact on Animals

2nd Place

Bianka Klačková

Modulo Chair

3rd Place

Hanka Sedliačiková

*Thermophysical Properties of Composite Boards Made from Larch Bark (*Larix decidua*)*

ZSVTS Award for ŠVOČ 2026

Bc. Martin Paluš

Student of the study programme Fire Protection and Safety

Dean's Award of the Faculty of Wood Sciences and Technology

Marek Ďurech

Experimental Determination of Yarn Slippage in the Seam During Diagonal Joining

Conference Organization

Chairwoman of the ŠVOČ Council of the Faculty of Wood Sciences and Technology

Mgr. art. Katarína Boborová, ArtD.

Section Supervisors

- doc. Ing. Martin Čulík, PhD. – PhD Section
- Ing. Jozef Fekiač, PhD. – Technological and Technical Section
- Ing. Mária Osvaldová, PhD. – Economics, Management and Entrepreneurship Section
- Ing. Vladislav Kaputa, PhD. and Ing. Miriam Olšiaková, PhD. – Marketing, Trade and Innovation Management Section
- Ing. Elena Kmeťová, PhD. – Safety Sciences Section
- Mgr. art. Katarína Boborová, ArtD. and Mgr. art. Simona Hanes, ArtD. – Art and Design Section
- Mgr. art. Júlia Kaštierová, ArtD. – Secondary School Section

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