

Student Scientific Conference of FAS 2024 (SVK+SVKB 2024)

Plzeň, May 23, 2024

Session "PhD." (corridor in front of the halls, 10:30-11:30)	
Chair	Jiří Rezek
7:30	Registration
8:00	Conference opening
8:15	Short presentations of posters
10:30	Poster session (10:30-11:30), lunch
15:15	Announcement of results and the end of the conference
List of posters (Physics, Mathematics, Mechanics, Geomathematics)	
Hendrik Hansen	Approaches to the computational modelling of soft tissues related to cutting
David Hron	Determination of wall heat transfer coefficient of a cylindrical annulus
Jan Koloros	The effect of nitrogen doping on electrical and optical properties of Cu ₂ O films prepared by high-rate reactive magnetron sputtering
Akash Kumar	Promoted Hydrogen Gas Sensing of Nanostructured TiO ₂ Materials Prepared via Sputter Deposition
Hana Levá	Existence and number of travelling waves in generalised suspension bridge model
List of posters (Cybernetics, Informatics)	
Josef Baloun	Dialogue Representation and Multimodal Fusion for Emotion Cause Analysis
Zdeněk Bouček	UAV Trajectory Planning with Path Processing
Martin Bulín	Voice-Interactive Semantic Search Interface with Vector Databases
Adam Frémund	Retrieval-Augmented Generation (RAG) using Large Language Models (LLMs)
Jan Trejbal	Review, classification, and evaluation of algorithms for orientation estimation
Maryam Khoshkhooy Titkanlou	Deep learning methods for Motor Imagery EEG Signal Classification
Jan Krejčí	Multiple Pedestrian Tracking in 3D With a Monocular Camera
Lukáš Kuhajda	Exploring Protein Thermostability Using LLMs
Duc Thien Pham	CNN-Transformer-LSTM: Automatic Sleep Apnea detection using a single-lead ECG signal
Lukáš Vladař	Effects of Large Multi-Speaker Models on the Quality of Speech Synthesis
Jiří Vyskočil	Impact of the State-of-the-Art Methods on Camera Trap Image Classification
Tomáš Železný	Traffic sign data augmentation using Stable Diffusion conditioned with ControlNet

Participants must be present during the poster session (10:30-11:30)

Proceedings for download: https://svk.fav.zcu.cz/download/proceedings_svk_2024.pdf