Session Program

November 26, 2025

MatFyz CONNECTIONS 2025

Poster session + káva: prezentácie študentov informatika

Wed, November 26

11:00 AM

Poster session + káva: prezentácie študentov informatika
Session | **Conveners:** Robert Lukotka, Kristina Malinovska, Martin Homola

11:00 – 11:01 AM | Examining the legibility of humanoid robot arm movements in a pointing task

Speaker
Ms Hana Hornáčková

11:01 – 11:02 AM | Analysis of the spaceweathering effect on the surface of satellites and space debris

11:02 – 11:03 AM | Total colouring of (sub)cubic Halin graphs

11:03 – 11:04 AM | Usefulness of information for regular languages

11:05 – 11:06 AM

Hybrid Xception-Vision Transformer Model for Automatic Diagnosis and Classification of White Matter Lesions with Explaiable AI Techniques

11:07 – 11:08 AM | CATS Solver: The Rise of Hybrid Abduction Algorithms

Speaker
Janka Boborova

11:08 – 11:09 AM | Computational analysis of bacterial plasmids

11:09 – 11:10 AM

X-MalNet: A Novel Multi-Level eXplainability Framework for Malware Detection Using Matrix Product States (MPS) Tensor Networks

11:10 – 11:11 AM | Stain Busters

11:11 – 11:12 AM

From Noise to Readable Images: Eavesdropping on Computer Screens via Custom Hardware and Deep Learning Image Reconstruction

Speaker
Filip Tuch

11:12 – 11:13 AM | Contrasting Human and Emergent Concepts in Image Classifiers

11:13 – 11:14 AM | Texture-based analysis of mitochondrial microscopy scans

12:00 PM