Workshop Agenda

Day 1 – 29th October

Workshop on AI in higher education and research at AGH University of Krakow

Focus topic: PhD Study in the Age of AI

Faculty of Computer Science AGH, Kraków

Building: D17, Room 1.19/1.20

13:00 – 13:30 - Welcome speech and workshop opening
Prof. Aleksander Byrski - Vice-Dean for Science and Cooperation, Faculty of Informatics, AGH University of Krakow
Prof. Michal Pluháček - V4AI Project Coordinator, Center of Excellence in AI, AGH University of Krakow

13:30 – 14:15 - Keynote I: Bridging Practice and Policy: Educating the Next Generation of AI Practitioners (with particular attention to the field of law)
Mgr. Matej Michalec, LL.M., advocate & partner, V4 Group

14:15 – 15:00 - Keynote II: Robotics education and research in the era of AI revolution
Maciej Antonik, CEO, Edu4Industry

15:00 - 16:00 - Lunch Break

16:00 – 18:00 – Session I – Headline talks – AI in academia in V4
Chair: Michal Pluháček

16:00 – 16:30 - Teaching with Intelligence: Integrating AI into Academic Practice
Anna Wójcicka, Center of Excellence in AI, AGH University of Krakow

16:30 – 17:00 - Building an AI-Ready University: The TBU Approach
Zuzana Komínková Oplatková, Faculty of Applied Informatics, Tomas Bata University in Zlín

17:00 – 17:30 - Overview of AI-driven tasks at Pavol Jozef Šafárik University in Košice
Lubomir Antoni, Faculty of Science, Pavol Jozef Šafárik University in Košice

17:30 – 18:00 - Towards Integration of GenAI at ELTE
Márta Turcsányi-Szabó, Faculty of Informatics, Eötvös Loránd University

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Day 2 – 30th October

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Building: D17, Room 1.19/1.20

9:00 – 11:00 - Session 2: Focus on PhD Study in the Age of AI
Chair: Michal Pluháček

9:00 – 9:20 - Challenges of software development in the age of AI
Jozef Kováč, Tomas Bata University in Zlín
9:20 – 9:40 - Doing particle physics in the age of AI
Wojciech Gomułka, AGH University of Krakow

9:40 – 10:00 - Integration of Generative AI with Learning Management System
Kován Mzwri, Eötvös Loránd University
10:00 – 10:20 - Analysis of Slovak court decisions by AI methods
Dávid Varga, Pavol Jozef Šafárik University in Košice

10:20 – 10:40 - NLP Approaches for Detecting and Assessing Reflective Writing in Hungarian Student Essays
Zsolt Csibi, Eötvös Loránd University
10:40 – 11:00 - Detecting LLM writing and how to make it sound more human
Krzysztof Tylka-Suleja, AGH University of Krakow

11:00 – 11:30 Coffee Break

11:30 – 12:30 – Panel discussion: Impact of AI on higher education and research
Moderator: Mateusz Wojtulewicz (AGH University of Krakow)
Panelists:
- Michal Pluháček (AGH University of Krakow)
- Adam Viktorin (Tomas Bata University in Zlín)
- Márta Turcsányi-Szabó (Eötvös Loránd University)
- Lubomir Antoni (Pavol Jozef Šafárik University in Košice)

12:30 – 13:40 Lunch Break

13:40 – 14:40 – Session 3 – AI in higher education and research I
Chair: Mateusz Wojtulewicz

13:40 – 14:00 - Working with AI: A New Partnership in Research and Education
Adrian Horzyk, AGH University of Krakow
14:00 – 14:20 - AI research assistants
Roman Šenkeřík, Tomas Bata University in Zlín
14:20 – 14:40 - On distance measures in industrial maps
Dominika Kotlárová, Pavol Jozef Šafárik University in Košice
14:40 - 15:00 - From Reactive Perception to Predictive Perception in Autonomous Systems
Emin Bayramov, Eötvös Loránd University

15:00 – 15:20 Coffee Break

15:20 – 16:40 – Session 4 – AI in higher education and research II
Chair: Mateusz Wojtulewicz

15:20 – 15:40 - AI security challenges in higher education and research
Imre Lendák, Eötvös Loránd University
15:40 – 16:00 - The impact of AI on the labor market
Martin Mikeska, Tomas Bata University in Zlín
16:00 – 16:20 - AI-Driven Approaches to Sustainable Energy Solutions
Manohar Gowdru Shridhara, Pavol Jozef Šafárik University in Košice
16:20 - 16:40 – Retrieval-Augmented Generation (RAG) to enhance research and higher education
Arafat Md Easin, Eötvös Loránd University

16:40 – 17:00 – Closing session