ARTIFICIAL INTELLIGENCE & VIRTUAL REALITY (AI & VR)

organized by
SLOVAK SOCIETY FOR CYBERNETICS AND INFORMATICS (SSKI)
under the auspices of
FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY
SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA
and
FACULTY OF INFORMATICS
PAN-EUROPEAN UNIVERSITY

PAN-EUROPEAN UNIVERSITY, BRATISLAVA   JUNE 27-28, 2023

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SCOPE OF THE WORKSHOP

Currently, many technological leaders in the world are focusing on the combination and connection of both virtual reality (VR) and artificial intelligence (AI). The aim of this Workshop is to bring together original research articles and review articles highlighting research in implementing AI in augmented and virtual reality systems. AI and VR are two of the most exciting advanced technologies in the world. Although both solutions focus on different things, each enables a deeper connection with the digital world. VR uses a combination of software and hardware to immerse people in a digital environment. AI supports our decisions in creating technological advances that can intelligently respond to situations in industry, healthcare and services.

TOPICS

- Virtual reality platforms
- AI platforms for VR/AR and Vision for VR/AR
- Machine learning and signal processing for multimodal interaction
- Human-virtual user/agent interaction and human-machine interaction
- Human to human communication in virtual environments
- Standards and theoretical models for AI and/or VR
- Multimodal interaction and experiences in VR/AR

IMPORTANT DATES

Workshop proposal submissions: June 1, 2023
Acceptance notification: June 15, 2023
Final paper submission: June 25, 2023

REGISTRATION FEE

Registration fee is **150€**. The registration fee covers attendance of technical sessions, workshop proceedings, coffee breaks and possibility to visit social programmes. The registration fee includes payment for one paper, for each additional paper the upload fee is 50€. Registration fee is to be paid by **June 15, 2023**. The workshop takes place at the Pan-European University on Tematínská Street in Bratislava, Slovakia.

BANKING INFORMATION:
Account No.: 2665430020/1100
IBAN: SK28 1100 0000 0026 6543 0020 **SWIFT:** TATRSKBX
Address of the bank: Tatra banka, Hodžovo námestie 3, P.O.BOX 42, 850 05 Bratislava 55

INSTRUCTIONS FOR AUTHORS

The workshop language is English. Workshop papers may range from theoretical works to engineering applications (basic and applied research, industry, healthcare, banking, services and others).

All proposals must not exceed 6 pages, including a maximum of 4 pages for the proposal text, references, appendices and figures, plus 1 page for the draft Call for Submissions. All proposals must be submitted electronically by June 1, 2023. Papers are to be submitted through the conference management system (https://tinyurl.com/aivr23) in PDF format and must conform to the ITA journal template - https://tinyurl.com/ita-template.

VENUE

The venue of the workshop is the Faculty of Informatics of the Pan-European University in Bratislava. Bratislava is a capital of Slovakia with a population of about 420,000. It is situated in south-western Slovakia on both banks of the river Danube, not far from Vienna (60km), Budapest (200km) and Prague (300km). Bratislava is typical by its old-town charm, sophisticated restaurants, traditional pubs, good music ranging from jazz to opera, stylish people, and an appropriate size being often denoted as a Little Big City.

WORKSHOP SECRETARIAT

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