

Preface to the 2023 HCI SI Conference

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Abstract

The eighth edition of the HCI SI conference, organised by the research community in the field of Human-Computer Interaction Slovenia and the ACM SIGCHI Chapter Bled, took place at the University of Maribor on January 26 2024. Elisabeth Lex from Graz University of Technology delivered the keynote address, while a total of seven research papers and four posters were presented.

Dne 26. januarja 2024 je na Univerzi v Mariboru potekala osma konferenca HCI SI, ki so jo organizirali skupnost raziskovalcev na področju interakcije človek-računalnik v Sloveniji in ACM SIGCHI Chapter Bled. Glavno predavanje je imela Elisabeth Lex z Tehnične univerze v Gradcu, medtem ko so avtorji predstavili skupaj sedem raziskovalnih člankov in štiri plakate.

Keywords

Human-Computer Interaction, HCI SI, 2023, Slovenia, Conference

1. Introduction

This is the proceedings of the 8th Human-Computer Interaction Slovenia (HCI SI) conference series, organised by the Slovenian HCI community in conjunction with the ACM SIGCHI Chapter Bled. The event brings together Slovenian scholars, researchers, and students specialising in HCI, along with guests from Alps-Adriatic-Danube basin and beyond. In addition to providing a platform to exchange experiences and research findings, the conference facilitates the establishment of new connections and collaborations for the future.

The one-day conference was hosted by the Faculty of Electrical Engineering and Computer Science, University of Maribor, on 26 January 2024. The programme of the conference included 11 presentations, organised into three sessions, along with the keynote speech. The presentation covered a wide array of HCI topics, ranging from information visualisation, augmented reality, human-machine interaction, user experience, technology and education, gesture recognition, and others.

The organisers extend our heartfelt thanks to all our colleagues who contributed to this event, as well as to the reviewers for their invaluable assistance.

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2. Presented research

A total of seven research papers and four posters were presented at the conference.

Papers:

- Filip Sprostan, Matjaž Kljun and Klen Čopič Pucihar – Manipulating and augmenting digital content through physical counterpart
- Gregor Grbec, Nino Bašić and Marko Tkalcic – Ranking Footballers with Multilevel Modeling
- Karolina Trajkovska, Maheshya Weearsinghe, Klen Čopič Pucihar and Matjaž Kljun – Name and Face Recall Cognitive Failure: Presenting a Short Literature Review and System Design
- Kristina Stojmenova Pečečnik, Marko Kofol and Jaka Sodnik – Method for Inferential Continuous Assessment of Driver's Situational Awareness
- Matic Klopčič and Kristina Stojmenova Pečečnik – Accurate proximity sensor for parking assistance
- Nikola Kovačević, Jordan Aiko Deja, Maheshya Weerasinghe, Klen Čopič Pucihar and Matjaž Kljun – Retzzles: Do Jigsaw Puzzle Actions on Interactive Display Maps Increase the Retention of Map Information?
- Nuwan Attygalle, Una Vuletic, Matjaž Kljun and Klen Pucihar – Towards Hand Gesture Recognition Prototype Using the IWR6843ISK Radar Sensor and Leap Motion
- Špela Bricman and Ines Kožuh – User Experience and Interface Design for a Digital Pet Adoption Platform

Posters:

- Aleksandr Shishkov and Simon Kolmanič – Progressive Education: Augmented Reality Visualization of Human Anatomy on HoloLens 2
- Anastasiia Dziuba and Uroš Sergaš – Cross-country analysis on connection between Financial Lifestyle and Happiness
- Jordan Aiko Deja, Sandi Štor, Ilonka Pucihar, Klen Čopič Pucihar and Matjaž Kljun – Teach Me How to ImproVISE: Co-Designing an Augmented Piano Training System for Improvisation

3. Keynote Speaker Biography

Assoc.-Prof. Dr. Elisabeth Lex is a tenured associate professor at Graz University of Technology (TUG) and PI of the Recommender Systems and Social Computing Lab at TUG. She is a dean of study for the master's program Computational Social Systems. Her areas of expertise include (psychology-informed) recommender systems, user modelling, behavioural analytics, information retrieval, machine learning, data science, and web mining. Elisabeth Lex received her Ph.D. in computer science from Graz University of Technology in 2011. After completing the Ph.D. program, she was a postdoctoral research fellow at Universidad Nacional de San Luis, Argentina, and RWTH Aachen, Germany. She has worked on several projects founded

by the EU and Austria and has published more than 100 scientific publications in venues such as WebConf, HT, RecSys, UMAP, ECIR, ISMIR, as well as in journals such as Foundations and Trends in Information Retrieval, UMUAI, EPJ Data Science, Frontiers in AI, Transactions of the International Society for Music Information Retrieval (TISMIR), or the International Journal of Human-Computer Interaction. Elisabeth regularly gives invited talks about her research and acts as Senior PC member, PC member, co-organiser, track chair, and co-track chair at venues such as WebConf, IUI, RecSys, UMAP, Web Science, or HT. More information is available on <https://elisabethlex.info/>.

4. Organisation

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- Simon Kolmanič, *University of Maribor*, Slovenia
- Matjaž Kljun, *University of Primorska*, Slovenia

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- Klen Čopič Pucihar, *University of Primorska*, Slovenia & *Faculty of Information Sciences*, Novo mesto, Slovenia

Web Chairs

- Nuwan Attygalle, *University of Primorska*, Slovenia
- Uroš Sergaš, *University of Primorska*, Slovenia

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- Arsen Matej Golubvijk, *University of Primorska*, Slovenia
- Waqas Ali, *University of Primorska*, Slovenia

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