

## 7th Human-Computer Interaction Slovenia Conference

# HCI-SI 2022

**NOVEMBER 29, 2022**

**University of Ljubljana**  
**Faculty of Electrical Engineering**  
**Ljubljana, SLOVENIA**

## General Information

### Location:

Venue: Diplomska soba – B0  
Address: Faculty of Electrical Engineering  
Tržaška cesta 25, Ljubljana, Slovenia

### Organizers:

Conference chair: Jaka Sodnik  
Program chairs: Kristina Stojmenova Pečečnik  
Grega Jakus  
Web & Local chair: Timotej Gruden  
Proceedings chairs: Kristina Stojmenova Pečečnik  
Grega Jakus  
Ana Katarina Kecman

### Registration:

Attendance is free, registration is necessary. If you have not registered yet, please visit [hci.si/hci-si-2022](http://hci.si/hci-si-2022) to register today.

## Program

|               |                                   |
|---------------|-----------------------------------|
| 9:00 – 9:15   | Conference Opening                |
| 9:15 – 10:15  | Opening Keynote: Alexander Mirnig |
| 10:15 – 10:30 | Coffee break                      |
| 10:30 – 12:00 | Paper Session 1                   |
| 12:00 – 13:30 | Lunch break                       |
| 13:30 – 15:00 | Paper Session 2                   |
| 15:00 – 15:15 | Coffee break                      |
| 15:15 – 16:15 | Closing Keynote: Paolo Preto      |
| 16:15 – 16:30 | Conference Closing                |

## Paper Session 1

Deep reinforcement learning against human in playing video games

*Jovana Markovska and Domen Šoberl*

Tribalism and Fake News: Descriptive and Predictive Models on How Belief Influences News Trust

*Uroš Sergaš, Habi Kalkan and Marko Tkalčič*

GoraNiNora: Context-Dependent Dissemination of Mountaineering Safety Information

*Domen Vilar, Veljko Pejović and Bojan Blažica*

Estimation of mathematical anxiety using psycho-physiological data

*Andrej Košir, Urban Burnik, Janez Zaletelj, Samo Jean, Peter Janjušević and Gregor Strle*

Imputing Missing Answers in the World Values Survey

*Arsen Matej Golubovikj, Branko Kavšek and Marko Tkalčič*

Predicting User Engagement in Video Advertisement: Insights from Pupillary Response and Heart Rate

*Gregor Strle, Andrej Košir, Evin Aslan Oğuz and Urban Burnik*

## Paper Session 2

Increasing driver's situational awareness in semi-automated vehicles using a head-up display

*Kristina Stojmenova Pečečnik and Jaka Sodnik*

Quantifying Drivers' Physiological Responses to Take-Over Requests in Conditionally Automated Vehicles

*Timotej Gruden, Kristina Stojmenova Pečečnik, Grega Jakus and Jaka Sodnik*

Driver Monitoring Systems in automated interactions: A real-time, thermographic-based algorithm

*Saifedine Aloui, Raphael Morvillier, Christophe Prat, Jaka Sodnik, Leandro Di Stasi, Carolina Diaz-Piedra and Francesco Angioi*

The effects of driving disengagement on response time in transition to manual driving mode

*Gregor Strle, Andrej Košir, Kristina Stojmenova Pečečnik and Jaka Sodnik*

Exploratory analysis of users' interactions with AR data visualisation in industrial and neutral environments

*Franciszek Sobiech, Natalia Walczak, Aleksandra Buczek, Mathias Jeanty, Kamil Kupiński, Zbigniew Chaniecki, Andrzej Romanowski and Krzysztof Grudzień*

GazeHD: Towards Measuring Effect of Depth of Field Controlled by Eye Tracking in 3D environments

*Marc Anthony Berends, Jordan Aiko Deja, Nuwan Attygalle, Matjaž Kljun and Klen Čopič Pucihar*

pARt Blocks: Blocks-based tangible programming in AR

*Karolina Trajkovska, Klen Čopič Pucihar, Matjaž Kljun, Jordan Aiko Deja and Maheshya Weerasinghe*