Past Editions

AIxHMI 2023

The **2nd Workshop on Artificial Intelligence for Human-Machine Interaction** co-located with the 22nd International Conference of the Italian Association for Artificial Intelligence, took place on November 06, 2023 in Rome.

Workshop Proceedings: **https://ceur-ws.org/Vol-3576/**

Workshop Chairs: **Silvia Corchs**, **Simone Fontana**, **Aurora Saibene**, **Jordi Solé-Casals**.

Organizing Chair: **Francesca Gasparini**.

PC Members ⌄

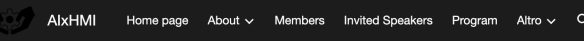### Invited Speakers ⌃

Léa Pillette
IRISA
The French laboratory for research and innovation in digital technology (France)

Talk: Towards assessing and improving brain-computer interface user-training?

Stefano Mazzoleni
Department of Electrical and Information Engineering
Polythechnic University of Bari (Italy)

Talk: AI-driven robot-assisted neurorehabilitation: from experimental trials towards a safe, reliable and effective human-robot interaction.

Francesco Ferrise
Department of Mechanical Engineering
Politecnico di Milano (Italy)

Talk: Emotion elicitation in virtual reality: techniques and applications.

Contributions ⌃

- Emotion detection using deep learning on spectrogram images of the electroencephalogram
  Mauro Mezzini

- Respiratory rate estimation via sensor pressure mattress: a single subject evaluation
  Artemisia Sarteschi, Domenico G. Sorrenti

- A multi-artifact EEG denoising by frequency-based deep learning
  Matteo Gabardi, Aurora Saibene, Francesca Gasparini, Daniele Rizzo, Fabio Antonio Stella

- Assessing the impact of selective attention in a minimalist virtual reality driving simulator: An analysis of perceived experience and motion sickness
  Alessio Facchin, Stefania La Rocca, Veronica Strina, Laura Vacchi, Carlotta Lega, Simone Fontana

- Psychological stress detection with optimally selected EEG channel using machine learning techniques
  Anne Joo Marthinsen, Ivar Tesdal Galtung, Amandeep Cheema, Christian Moe Sletten, Ida Marie Andreassen, Øystein Sletta, Andres Soler, Marta Molinas

- An experimental protocol to access immersiveness in video games
  Marika Malaspina, Jessica Amianto Barbato, Marco Cremaschi, Francesca Gasparini, Alessandra Grossi, Aurora Saibene

AIxHMI 2022

The **1st Workshop on Artificial Intelligence for Human-Machine Interaction** took place in Udine (Italy) on December 02, 2022 and was co-located with the 21st International Conference of the Italian Association for Artificial Intelligence.

Workshop Proceedings: **https://ceur-ws.org/Vol-3368/**

Workshop Chairs: **Silvia Corchs**, **Aurora Saibene**, **Jordi Solé-Casals**.

Organizing Chairs: **Francesca Gasparini**, **Mirko Caglioni**.

PC Members ⌄

Invited Speakers ⌄

Contributions ⌄