

# Appendix: The Impact of Facial Expression and Head Orientation on Personality Perception

Melike Kara<sup>1</sup>, Sinan Sonlu<sup>1</sup>, Arçin Ülkü Ergüzen<sup>1</sup>, Funda Durupinar<sup>2</sup>,  
Uğur Güdükbay<sup>1\*</sup>

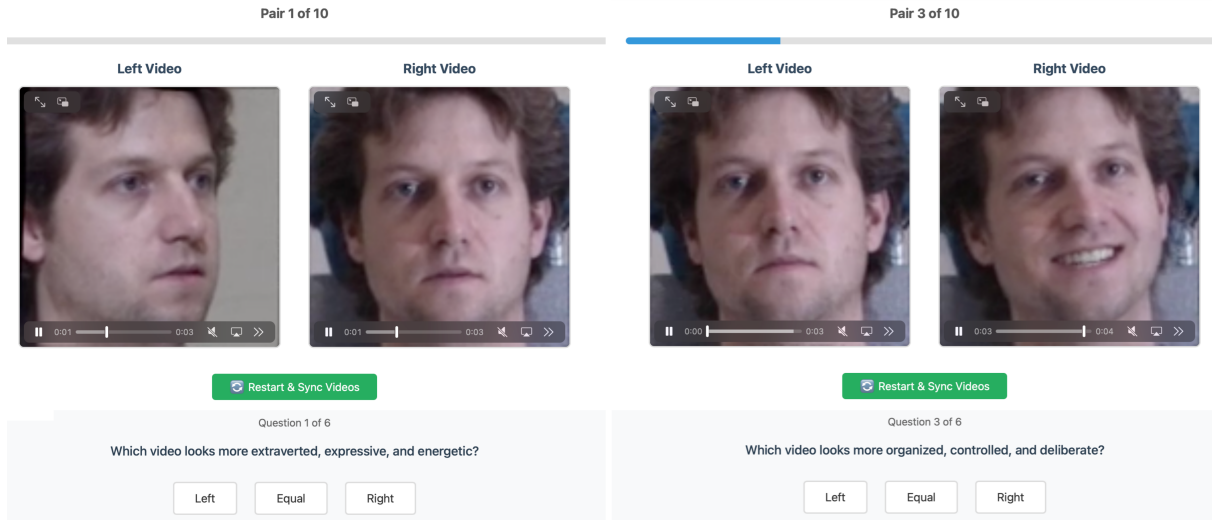
<sup>1</sup>Department of Computer Engineering, Bilkent University, Ankara, Türkiye.

<sup>2</sup>Department of Computer Science, University of Massachusetts, Boston, MA, USA.

\*Corresponding author(s). E-mail(s): [gudukbay@cs.bilkent.edu.tr](mailto:gudukbay@cs.bilkent.edu.tr);

Contributing authors: [melike.kara@ug.bilkent.edu.tr](mailto:melike.kara@ug.bilkent.edu.tr); [sinan.sonlu@bilkent.edu.tr](mailto:sinan.sonlu@bilkent.edu.tr);

[ulku.erguzen@bilkent.edu.tr](mailto:ulku.erguzen@bilkent.edu.tr); [funda.durupinarbabur@umb.edu](mailto:funda.durupinarbabur@umb.edu);



**Fig. 1** Screenshots from the user study: a pair with the same expression (left) and different poses, and different expressions with a frontal view (right).

Fig. 1 shows screenshots from the user study. We asked the following questions for each task.

1. Which video looks more extraverted, expressive, and energetic?
2. Which video looks more friendly, warm, and cooperative?
3. Which video looks more dependable, organized, and less careless?
4. Which video looks calmer, more emotionally steady, and less anxious and tense?
5. Which video looks more open-minded, curious, and thoughtful?
6. Which video looks more natural and human-like?