

Sandra Malpica Mallo

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Languages: Spanish (native), English (advanced)

Work experience

- [2018-2023] PhD student under competitive 4 year grant by Gobierno de Aragón.
- [09/2020 – 12/2020] Research internship at Facebook Reality Labs, remote (Zurich office).
- [04/2019 – 06/2019] Research internship at Adobe Research, San Jose (California).
- [03/2016 – 11/2018] Research assistant at Graphics and Imaging Lab (Universidad de Zaragoza).

Education

- [2023] Ph.D in the Informatics and Systems Engineering program (Universidad de Zaragoza).
- [2018] Master degree in Biomedical Engineering (Universidad de Zaragoza).
- [2017] Bachelor degree in Computer Engineering (Computer Science, Universidad de Zaragoza).

Research

- [2023] [Sandra Malpica](#), Daniel Martin, Diego Gutierrez, Ana Serrano, Belen Masia. **Task-dependent Visual Behavior in Immersive Environments: A Comparative Study of Free Exploration, Memory and Visual Search.** *TVCG (Proc. ISMAR 2023)*.
- [2023] Edurne Bernal-Berdun, Daniel Martin, [Sandra Malpica](#), Pedro Perez, Diego Gutierrez, Belen Masia, Ana Serrano. **D-SAV360: A Dataset of Gaze Scanpaths on 360° Ambisonic Videos.** *TVCG (Proc. ISMAR 2023)*.
- [2023] [Sandra Malpica](#), Qi Sun, Petr Kellnhofer, Alejandro Beacco, Gizem Senel, Rachel McDonnell, Mauricio Flores Vargas. **Effective User Studies in Computer Graphics.** *Eurographics 2023 tutorial*.
- [2022] [Sandra Malpica](#), Belen Masia, Laura Herman, Gordon Wetzstein, David Eagleman, Diego Gutierrez, Zoya Bylinskii, Qi Sun. **Larger visual changes compress time: The inverted effect of asemantic visual features on interval time perception.** *PLOS One 2022*.
- [2021] Daniel Martin*, [Sandra Malpica*](#), Diego Gutierrez, Belen Masia, Ana Serrano. **Multimodality in VR: A survey.** *ACM Computing Surveys, 2021*.
- [2020] [Sandra Malpica](#), Ana Serrano, Diego Gutierrez, Belen Masia. **Auditory stimuli degrade visual performance in virtual reality.** *Scientific Reports (Nature Publishing Group)*.
- [2019] Manuel Lagunas, [Sandra Malpica](#), Ana Serrano, Elena Garces, Diego Gutierrez, Belen Masia. **A Similarity Measure for Material Appearance.** *Transactions on Graphics (SIGGRAPH)*.
- [2019] [Sandra Malpica](#), Ana Serrano, Marcos Allue, Manuel G. Bedia, Belen Masia. **Crossmodal Perception in Virtual Reality.** *Multimedia Tools and Applications*.

Teaching (Universidad de Zaragoza)

- [2022/2023] Programming. Bachelors in Telecommunications Engineering and Industrial Technology.
- [2020-2022] Virtual Reality course. Master Program in Robotics, Graphics and Computer Vision.
- [2020-2022] Photography, Composition and Image Editing. Bachelor in Industrial Design Engineering.
- [2019/2020] Informatics. Bachelor in Electric Engineering.

Supervision

- [2022] TFM: Investigating auditory-triggered suppressive effects in virtual reality (9.0/10).
- [2022] TFG: Tools for data recording and visualization in 360 videos (9.0/10).
- [2021] TFG: Implementation and analysis of 2D scanpath prediction models (7.5/10).
- [2021] Internship: Unity pipeline for perceptual experiments.

Professional service and dissemination

- [2023] Organizing committee member at the International Summer School on Extended Reality Technology and Experience.
- [2023] International Program Committee member at Pacific Graphics.
- [2022] Program committee member of the Spanish Computer Graphics Conference (CEIG) and posters chair at symposium on applied perception (ACM SAP).
- [2021] International program committee member at VRST.
- [2019-2023] Reviewer for SIGGRAPH, IEEE VR, GRAPP, SAP, VIRE, ISMAR, EuroVR, VRST, MIG, Frontiers in VR, IJHCI.
- [2019-2022] Speaker at NEOCOM, the European Researchers Night and the VR Day.
- [2018-2022] Girls' Day, during the Engineering Week at Universidad de Zaragoza.
- [2020] Volunteer at Women Tech Makers Zaragoza.