Sandra Malpica Mallo

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Languages: Spanish (native), English (advanced level)
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Work experience

[2018-now] Predoctoral researcher, under competitive funding. Government of Aragon grant.
[09/2020 – 12/2020] Research intern at Facebook Reality Labs, remote (Zurich office).
[04/2019 – 06/2019] Research intern at Adobe Research, San Jose (California).
[03/2016 –11/2018] Research assistant/intern at Graphics and Imaging Lab.
[2015] Android development at Abaco Digital (Agora Santander grant).

Education

[2018-now] Ph.D. program in Computer and Systems Engineering (Universidad de Zaragoza).

[2018] Biomedical Engineering Master (Universidad de Zaragoza).

[2017] Computer Engineering Degree (Computer Science mention, Universidad de Zaragoza).

Research

[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.*

[2017] Sandra Malpica, Miguel Barrio, Diego Gutierrez, Ana Serrano, Belen Masia. **Improved Intuitive Appearance Editing Based on Soft PCA**. *Spanish Computer Graphics conference* (CEIG), 2017.

Teaching

[2022] Computing basics. Industrial Engineering degree and telecommunications engineering degree. Universidad de Zaragoza.

[2020-2022] Virtual Reality course. Master Program in Robotics, Graphics and Computer Vision. Universidad de Zaragoza.

[2020-2022] Photography, image composition and edition. Industrial Design Engineering degree. Universidad de Zaragoza.

[2019/2020] Computing basics. Electric Engineering degree. Universidad de Zaragoza.

Supervision

[2022] MsC thesis: Investigating auditory-triggered suppressive effects in virtual reality (9.5/10).

[2022] BsC thesis: Tools for data recording and visualization in 360 videos (9.0/10).

[2021] BsC thesis: Implementation and analysis of 2D scanpath prediction models (7.5/10).

[2021] MsC internship: Unity pipeline for perceptual experiments.

Dissemination and others

[2022] Posters chair for ACM Symposium on Applied Perception (SAP)
[2022] Program committee member of the Spanish computer graphics conference (CEIG).
[2021-2022] Presenter at NEOCOM conference.
[2020-2022] Quality committee of the doctoral program in Computer and Systems Engineering member.
[2020-2022] Board of the department of computer science and systems engineering member.

[2019-2022] Reviewer for Frontiers in Virtual Reality, ACM Special Interest Group on Graphics and Interactive Techniques (SIGGRAPH), IEEE International Symposium on Mixed and Augmented Reality (ISMAR), the Spanish Conference in Computer Graphics (CEIG), ACM Symposium on Applied Perception (SAP), International Journal of Human-Computer Interaction (IJHCI), the ACM Conference on Human Factors in Computing Systems (CHI), Virtual Reality (VIRE), ACM Symposium on Virtual Reality Software and Technology (VRST), IEEE Conference on Virtual Reality (IEEEVR), EuroVR International Conference (EuroVR), International Conference on Computer Graphics Theory and Applications (GRAPP), Heliyon, International Symposium on Automation, Information and Computing (ISAIC).

[2018-2022] Girls' Day, under the "Architecture and engineering week", Universidad de Zaragoza.

[2021] IPC member for the VRST conference.

[2020] Presenter at the European researchers night (*Wanderlust*).

[2020] Volunteer at Women Tech Makers Zaragoza.

[2019] Presenter at VR Day Zaragoza.