

EGOKITUZ – Lab. of HCI for Special Needs
Department of Computer Architecture & Technology
University of the Basque Country (UPV/EHU)
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My research is about improving web accessibility for people with different disabilities. To achieve this goal, I build systems to automatically adapt UI, as well as alternative interaction techniques to assist web navigation. I also conduct user testing in order to evaluate the proposed systems.

RESEARCH EXPERIENCE

- 2020– Research Fellow at EGOKITUZ, University of the Basque Country
- 2016–17 PhD Stage at IBM Research – Tokyo (Accessibility Group)
- 2014–20 PhD Student at EGOKITUZ, University of the Basque Country
- 2012–14 Research Assistant at EGOKITUZ, University of the Basque Country

EDUCATION

- 2020 **PhD** in Computer Science, University of the Basque Country
- 2015 **Summer School** in Universal Design of ICT, Oslo and Akershus University College
- 2013 **MSc** in Embedded Systems Engineering, University of the Basque Country
- 2011 **BSc** in Computer Science, University of the Basque Country

SELECTED RESEARCH CONTRIBUTIONS

Full list available at <https://jeduardoperez.info/publications>

- 2020 **Pérez**, Arrue, Valencia, Abascal. Longitudinal study of two virtual cursors for people with motor impairments: a performance and satisfaction analysis on web navigation. *IEEE Access* 8. DOI: 10.1109/ACCESS.2020.3001766
Moreno, Valencia, **Pérez**, Arrue. An exploratory study of web adaptation techniques for people with low vision. *Univ. Access Inf. Soc. June 2020*. DOI: 10.1007/s10209-020-00727-6
- 2019 **Pérez**, Valencia, Arrue, Abascal. Evaluation of Two Virtual Cursors for Assisting Web Access to People with Motor Impairments. *Int. J. of Hum. Comput. Stud.* 132. DOI: 10.1016/j.ijhcs.2019.08.001
- 2018 Arrue, Valencia, **Pérez**, Moreno, Abascal. Inclusive Web Empirical Studies in Remote and In-Situ Settings: A User Evaluation of the RemoTest Platform. *Int. J. Hum.-Comput. Interact.* 35(7). DOI: 10.1080/10447318.2018.1473941
- 2017 Valencia, **Pérez**, Arrue, Abascal, Duarte, Moreno. Adapting the Web for People With Upper Body Motor Impairments Using Touch Screen Tablets. *Interact. with Comput.* 29(6). DOI: 10.1093/iwc/iwx013

GRANTS

- 2016–17 Canon Foundation Research Fellowship for my PhD stage in Tokyo, Japan
- 2014–18 PhD Scholarship from the University of the Basque Country

OTHER EVIDENCE OF ACADEMIC STANDING

- 2020 **Best Communication Paper Award** at 'The 17th Int. Web for all Conference, W4A'20' with the paper 'Measuring complexity of e-government services for people with low vision'. DOI: 10.1145/3371300.3383350
- 2016 **Best Communication Paper Award** at 'The 13th Int. Conf. on Web Accessibility, W4A'16' with the paper 'A Usability Evaluation of Two Virtual Aids to Enhance Cursor Accessibility for People with Motor Impairments'. DOI: 10.1145/2899475.2899489
- 2015 **Accessibility Award** at 'The 15th IFIP TC13 Int. Conf. on Human-Computer Interaction, INTERACT 2015' with the paper 'Assisted Interaction Data Analysis of Web-based User Studies'. DOI: 10.1007/978-3-319-22701-6_1