A bibliography of research papers on teaching accessibility in computing science

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**REFERENCES**

1. Alonso, F., Fuertes, J. L., Gonzalez, A. L. & Martinez, L. 2010. Using Collaborative Learning to Teach WCAG 2.0. *ICCHP ’10,* *Lect Notes Comput Sc*, 6179: 400-403.
2. Benavidez, C., Fuertes, J. L., Gutierrez, E. & Martinez, L. 2006. "Teaching web accessibility with "Contramano" and hera." *ICCHP ’06,* *Lect Notes Comput Sc*. 4061: 341-348.
3. Bigham, J. P., Brudvik, J. T., Zhang, B., 2010. Accessibility by demonstration: enabling end users to guide developers to web accessibility solutions, *ASSETS ‘10*, October 25-27, Orlando, Florida, USA.
4. Bohman, P. R. 2012. *Teaching Accessibility and Design-For-All in the Information and Communication Technology Curriculum: Three Case Studies of Universities in the United States, England, and Austria*, Utah State University. PhD Thesis.
5. Cohen, R. F., Fairley A. V., Gerry D., & Lima, G. R. Accessibility in introductory computer science, In *Proceedings of the 36th SIGCSE technical symposium on Computer science education*, February 23-27, 2005, St. Louis, Missouri, USA.
6. Craven, J. & Klaus, J. 2008, Accessibility: Education for web design and e-learning introduction to special thematic session. *ICCHP ’08, Lect Notes Comput Sc,* 5195: 178-181.
7. Freire, A. P., Fortes, R. P. M., Paiva, D. M. B., & Turine, M. A. S. 2007. Using Screen Readers to Reinforce Web Accessibility Education*.* *SIGSCE Bulletin* 39(3): 82-86.
8. Hengstberger, B., Miesenberger, K., Batusic, M., Chelbat, N. & Garcia, A. R. 2008. Joint study programme on accessible web design. *ICCHP ’08, Lect Notes Comput Sc*, 5105: 182-198.
9. Kane, S. K. 2007. Engaging Student Programmers as Inclusive Designers. *SIGSCE Bulletin*, 39 (3): 342-342.
10. Katsanos, C., Tselios, N., Tsakoumis, A. & Avouris N. 2012. Learning about Web accessibility: a project based tool-mediated approach. *Education & Information Technology,* 17(1): 79-94.
11. Keates, S. 2011. Teaching the Next Generation of Universal Access Designers: A Case Study. Universal Access in Human-Computer Interaction: Design for All and Einclusion, Pt 1. C. Stephanidis. 6765:70-79.
12. Keates, S. 2015. "A pedagogical example of teaching Universal Access." Universal Access in the Information Society 14(1): 97-110.
13. Kelle, S., Henka, A. & Zimmerman, G. 2015. A persona-based extension for massive open online courses in accessible design. *Procedia Manufacturing*. Vol 3, pp. 3663-3668
14. Ludi, S. 2007. Introducing accessibility requirements through external stakeholder utilization in an undergraduate requirements engineering course*. ICSE ’07*. IEEE Computer Society. 736-743.
15. Martin-Escalona, I., Barcelo-Arroyo, F., & Zola, E. 2013. The introduction of a topic on accessibility in several engineering degrees. *2013 IEEE Global Engineering Education Conference***:** 656-663.
16. Miesenberger, K., & Ortner, D. 2006. Raising the expertise of web designers through training – the experiences of BFWD – accessible web design (Barrierfreies Webdesign) in Austria. *ICCHP ’06,* *Lect Notes Comput Sc,* 4061: 253-257
17. Miesenburger, K., Hengstberger, B & Batusic, M. 2010. Web\_Access: Education on accessible web design. Computer Helping People with Speical Needs: Lecture Notes in Computer Science, 6179, 404-407.
18. Pearson, E., Bailey, C. & Green, S. 2011. A tool to support the web accessibility evaluation process for novices. *ITiCSE ’11*. Darmstadt, Germany. ACM: New York.
19. Putnam, C., Dahman, M., Rose, E., Cheng, J. & Bradford. G. 2015. Teaching Accessibility, Learning Empathy. *ASSETS ‘15*, Lisbon, Portugal. ACM: New York.
20. Rosmaita, B. J. 2006. Accessibility Now! Teaching accessible computing at the introductory level. *ASSETS* *‘06*. Portland, OR, USA. ACM: New York. 227-278.
21. Rosmaita, B. J., Deibel, K., Cohen, R. R. & Egan, M. A. L. 2006. Accessibility and computer science education. *SIGCSE Bulletin* 38(1): 63-64.
22. Rosmaita, B. J. 2007. Making service learning accessible to computer scientists. *SIGSCE Bulletin*, 39(1): 541-545.
23. Rughinis, C. & Rughinis, R. 2014. `In my shoes' interaction sandbox for a quest of accessible design: teaching sighted students accessible design for blind people. *Universal Access in HCI*, *Lect Notes Comput Sc*, 8513, 64-74.
24. Sloan, D., Nelson, B. & Sloan, M. 2007. How Should Inclusivity Influence Teaching of ICT Design*? ITiCSE ‘07*, *SIGSCE Bulletin*, 39(3): 307-308.
25. Tomberg, V. & Laanpere, M. 2014. Teaching Design for All Through Empathic Modeling: A Case Study in Tallinn University. *HCII ‘14*, *Lect Notes Comput Sc*. 8510:259-269.
26. Waller, A., Hanson, V. L. & D. Sloan, D. 2009. Including Accessibility Within and Beyond Undergraduate Computing Courses. *ASSETS ’09*, October 25-28, 2009. Pittsburg, USA.
27. Wang, Y. D. 2012. A holistic and pragmatic approach to teaching web accessibility in an undergraduate web design course. *SIGIGE ’12*. Calgary, Canada. ACM: New York. 55-60.
28. Weber, G. & Abascal, J. 2006. People with disabilities: Materials for teaching accessibility and design for all. *ICCHP '06, Lect Notes Comput Sc*. 4061:337-340.
29. Whitney, G., Keith, S., & Schmidt-Belz, B. 2010. The challenge of mainstreaming ICT design for all. *ICCHP ’10,* *Lect Notes Comput Sc.* 6179: 583-59.