

*1986, Nuremberg
Germany

Institute for Electronic
Music and Acoustics (IEM)

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Marian Weger

Education

PhD program

since 2016 Sound and Music Computing | University of music and performing arts, Graz, Austria
Topic: Perceptual plausibility in augmented auditory feedback for interaction with physical objects
Supervisors: Robert Höldrich, Gerhard Eckel, Thomas Hermann

Master of Science / Dipl.-Ing.

2016 Electrical engineering / sound engineering | University of music and performing arts / University of technology, Graz, Austria
Specialization: computer music and multimedia
Master's thesis: Auditory perception of spatial extent in the horizontal and vertical plane

Bachelor of Science

2013 Electrical engineering / sound engineering | University of music and performing arts / University of technology, Graz
Bachelor thesis: Monster - an interactive projection system for dance performances

Relevant experience

Research assistant for sonification

since 2016 Institute for Electronic Music and Acoustics (IEM), University of music and performing arts | Graz

Student assistant for sonic interaction design

2014–2015 IEM, University of music and performing arts | Graz

Student assistant for sound engineering

2013 Mumuth, University of music and performing arts | Graz

Skills

Languages German (mother language), English (fluent), French (intermediate)
OS Linux, Mac, Windows
Programming Matlab, Pd, SuperCollider, C, GLSL

Peer-reviewed publications

Marian Weger, David Pirrò, and Robert Höldrich. "Evaluation of an acoustic interface for tremor analysis." In: *Proceedings of the 14th Sound and Music Computing Conference (SMC)*. Espoo, Finland, 2017

Georgios Marentakis, David Pirrò, and Marian Weger. "Creative Evaluation." In: *Proceedings of the 2017 ACM Conference on Designing Interactive Systems*. ACM, Edinburgh, UK, 2017

Marian Weger, David Pirrò, Alexander Wankhammer, and Robert Höldrich. "Discrimination of tremor diseases by interactive sonification." In: *Interactive Sonification Workshop (ISon) 2016*. Bielefeld, Germany, 2016

→ Best paper award

Marian Weger, Georgios Marentakis, and Robert Höldrich. "Auditory perception of spatial extent in the horizontal and vertical plane." In: *Proceedings of the 19th International Conference on Digital Audio Effects (DAFx)*. Brno, Czech Republic, 2016, pp. 301–308

Fabio Kaiser, Marian Weger, and Winfried Ritsch. "Designing simulacra or the electronic replication of a mechanical instrument." In: *Proceedings of the 9th Sound and Music Computing Conference (SMC)*. Copenhagen, Denmark, 2012, pp. 201–207

Peter Venus, Marian Weger, Cyrille Henry, and Winfried Ritsch. "Extended View Toolkit." In: *Proceedings of the 4th Pure Data Convention*. Weimar, Germany, 2011, pp. 161–167