

Curriculum Vitae

Personal Data

First name: Katharina

Last name: Pollack

Birthday: 4th November 1992

Birthplace: Vienna, Austria

Citizenship: Austria

Marital status: in a relationship

Languages: German (native), English (business fluent)

Programming languages: MATLAB, Python, L^AT_EX, PureData, R

Interests: Music (Singing, Playing several instruments), Sports (Volleyball, Capoeira, Cycling, Bouldering), Reading, Education, Needlework (crocheting, knitting)

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ResearchGate: https://www.researchgate.net/profile/Katharina_Pollack



Education

- Sept. 1999 - June 2003 Elementary School (Erlaaer Schleife 2, 1230 Wien)
- Sept. 2003 – July 2011 Grammar School with a focus on science (Draschestraße 90-92, 1230 Wien)
- Oct. 2011 – July 2012 Bachelor of Science, electrical engineering at TU Graz
external student at University of Music and Performing Arts Graz
- Oct. 2012 - July 2015 Bachelor of Science, electrical engineering and audio engineering at TU Graz
and University of Music and Performing Arts Graz
- July 2015 - Nov. 2019 Master of Science, electrical engineering and audio engineering at TU Graz
and University of Music and Performing Arts Graz
- since March 2020 PhD, electrical engineering and audio engineering at University of Music
and Performing Arts Graz
- Title: „Beschallung eines Bahnhofes unter Berücksichtigung des Schallimmissionsschutzgesetzes“, Grade: A
- Title: „A Nonlinear Acoustic Compensation for THD Improvement of a MEMS-Speaker“, Grade: A
- Title: „Non-Rigid Pinna Registration for the Calculation of Head-Related Transfer Functions“

Professional Experience

- Juli 2012 – April 2014 Conrad Electronic GmbH – consumer electronics salesperson
in the department of Sound and Light
- August 2013 Commend International – internship, R&D Audio Engineer
- September 2014 Commend International – internship, R&D Audio Engineer
- Nov. 2015 - June 2016 Acoustics Research Institute Vienna - internship, Psychoacoustics and
Experimental Audiology
- August - Sept. 2016 USound GmbH - internship, Junior Acoustic Engineer
- March 2017 - Sept. 2019 USound GmbH - Junior Acoustic Engineer
- March - June 2018 TU Graz - study assistant, *signal processing* and
Spoken Language in Human and Computer-Human Dialogue
- March - June 2018 Uni Graz - study assistant, administration and technical organisation of
a semi-virtual conference (ICMPC15-ESCOM10)
- March - June 2019 TU Graz - study assistant, *signal processing*
- August - Sept. 2019 TU Graz - project assistant, administration and organisation of
student helpers of Interspeech 2019
- since October 2019 Acoustics Research Institute Vienna - internship, Psychoacoustics and
Experimental Audiology

Scientific Activities

Memberships in scientific associations

Nov. 2014 - Oct. 2016	Festministra, Hochspannungszeichensaal TU Graz
July 2015 - June 2016	Secretary, AES Student Section Graz
July 2016 - June 2017	Vice Chair, AES Student Section Graz
July 2017 - June 2018	Chair, AES Student Section Graz
April 2016 - March 2017	Vice Chair, IEEE Student Branch Graz
since April 2017	Chair, IEEE Student Branch Graz
since November 2017	Secretary, IEEE Women in Engineering Affinity Group
since Sept. 2018	Vice Chair, AES Austria Section
since Dec. 2020	Student Representative, IEEE Austria Section
since February 2016	student member, Austrian Acoustics Association
March 2016 - Dec. 2019	student member, OVE

Conference organisation

28.-28. July 2018	ICMPC15/ESCOM10 (modus operandi: semivirtual) technical organisation team locations: Sydney, Graz, La Plata, Montreal software/platforms used: Moodle (data organisation), YouTube (streaming), Zoom (discussion)
15.-19. Sept. 2019	INTERSPEECH (modus operandi: physical) student helpers organiser location: Graz

Extracurricular Activities

Music school – education in: Piano (1999-2015) and Jazz piano (Sept. 2009 – Juli 2011)
Guitar (Sept. 2000 – Juli 2008), Choir (Sept. 2001 – Juli 2002)
Music Theory and Aural Training (Sept. 2002 – Juli 2003)
Composition (Sept. 2003 – Juli 2009), Ensemble (Sept. 2003 – Juli 2011)

completed peer-mediation training (2005-2007)

Participation in the language exchange programme CLICplus-project (Utrecht, 2010)

intern training at TU Graz: *Schützen Sie Ihre Erfindungen: Patentschutz und Patentverwertung*

Publications

List of peer-reviewed publications

1. Pollack, K., Majdak, P., Furtades, H. (2020): *A Parametric Pinna Model for the Calculations of Head-Related Transfer Functions*, Proceedings of Forum Acusticum 2020, Lyon.

List of invited talks

1. Pollack, K. (2020). „Non-Rigid Pinna Registration for the Calculations of Head-Related Transfer Functions“presented at the Department of Music Acoustics Wiener Klangstil, University of Music and Performing Arts Vienna, Austria
2. Pollack, K. (2020). „Non-Rigid Pinna Registration for the Calculations of Head-Related Transfer Functions“presented at the Department of Music Physiology, University of Music and Performing Arts Vienna, Austria

List of other conference contributions and publicly available reports

1. N. Meyer-Kahlen, F. Zotter, **K. Pollack** (2018). „Design and Measurement of First-Order, Horizontally Beam-Controlling Loudspeaker Cube“, engineering brief presented at the 144th *Convention of the Audio Engineering Society*, Milano, Italy, Convention Engineering Brief 447.

List of theses

- Pollack, K. (2019). „A Nonlinear Acoustic Compensation for THD Improvement of a MEMS-Speaker“, Master’s thesis, Signal Processing and Speech Communication Laboratory, University of Technology Graz