



Anna Katharina Fuchs

Curriculum Vitae

Education

2004 – 2011 **Diploma Programme**, *University of Technology, Graz*.
Electrical Engineering – Audio Engineering

Masters Thesis

Title *Monaural Sound Localization*

Supervisor Associate Professor Christian Feldbauer

Description In this thesis an accurate talker localization strategy in the horizontal plane using the signal of only one microphone is presented. The sound localization method is developed based on a set of head-related transfer function measurements.

Further Education

01/2012 **IEEE Winter School**, *FORTH*, Crete, Greece.

Winter school on speech and audio processing for immersive environments and future interfaces

02/2010 Seminars and further training for social skills like group dynamics, time management, communication, ...

2009 – today Regular attendance at international conferences in the area of audio and acoustics (AES, Interspeech, Daga, Maveba, ASRU)

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Work Experience

Vocational

05/2011 – **Research Associate**, SIGNAL PROCESSING AND SPEECH COMMUNICATION LABORATORY, Graz.
today Electro-Larynx Speech Enhancement

Detailed achievements:

- Recording of speech database
- Development of electro-larynx prototype
- Working on speech enhancement using machine learning approaches
- Evaluation of EL speech using ASR
- Conducting listening tests for evaluation

06-08/2014 **Research Stay**, *Nara Institute of Science and Technology*, Japan.
Collaborational work with Ass.Prof. Toda at the Augmented Human Communication Laboratory

2008 – 2010 **Summer Intern**, SALZBURG FESTIVAL, Salzburg.
Division: media technology

Miscellaneous

02/2010 – **Workshop: Science by ear 2**, *Institute for Electronic Music and Acoustics*, Graz.

04/2010 Organization, evaluation and account

2009 **Audio engineer project**, *Joanneum Research*, Graz.

Implementation of a spiraled Microphone Array

Awards

2008/2009 Performance scholarship of the University of Technology in Graz (Leistungsstipendium)

Competences and Personal Skills

Computer skills

Advanced Matlab, L^AT_EX, Audacity, Praat

Intermediate Open Office, Linux, Microsoft Windows

Basic C++, PD, HTML, Samplitude, ProTools, DSP programming

Languages

German **Mother tongue**

English **Intermediate**

Conversationally fluent

Italian **Basic**

Basic words and phrases only

Communication Skills

2014 Invited oral presentation at Graz University of Technology (9. Technikerinnen Talk)

2013 Oral presentation at the Maveba conference

2012 Oral presentation at the Interspeech conference

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Licenses

- o Car driving license
- o Amateur radio license
- o Sailing license

Interests

- Sailing
- Cooking
- Singing – Board member of the university choir Graz
- Hiking
- Piano

Graz, December 1st 2014

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