

# Andrés Pérez López

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## Personal Information

Address	Carles Collet 7 08031 Barcelona
Phone	(+34) 653 95 22 49
Email	contact@andresperezlopez.com
Website	<a href="http://www.andresperezlopez.com">www.andresperezlopez.com</a>
GitHub	<a href="http://www.github.com/andresperezlopez">www.github.com/andresperezlopez</a>
Twitter	<a href="http://www.twitter.com/_aperezlopez">www.twitter.com/_aperezlopez</a>
LinkedIn	<a href="http://www.linkedin.com/in/andresperezlopez">www.linkedin.com/in/andresperezlopez</a>

## Professional Experience

04/2016 -	<b>Eurecat: Technology Centre of Catalonia</b> <i>Multimedia Research Group</i> Research & Development on Spatial Audio Technologies
04/2016 -	<b>Pompeu Fabra University</b> <i>Pompeu Fabra Polytechnic School</i> Teacher assistant, Master and Degree thesis supervisor
03/2019 -	<b>Barcelona University</b> <i>School of New Interactive Technologies - ENTI</i> Lecturer
03/2019 -	<b>Catalan Open University</b> Student Advisor
10/2015 - 04/2016	<b>Voicemod</b> C/C++ Real-Time Audio Developer for Android
07/2014 - 10/2015	<b>Freelance Developer</b> Research, development, artistic application and public communication of works intersecting Technology and Music
09/2013 - 07/2014	<b>Pompeu Fabra University</b> <i>Pompeu Fabra Polytechnic School</i> Teacher assistant
06/2012 - 12/2012	<b>Valencia Technical University</b> <i>Institute of Telecommunications and Multimedia Applications</i> Research assistant

## Academic Education

03/2017 -	<b>Pompeu Fabra University</b> <i>Music Technology Group</i> <i>Music Information Research Lab</i> Industrial PhD Candidate
09/2013 - 07/2014	<b>Pompeu Fabra University</b> <i>Music Technology Group</i> Master in <i>Sound and Music Computing</i>
01/2012 - 06/2012	<b>Universidad Politécnica de Valencia</b> Postgraduate Degree in <i>Electronic and Electroacoustic Music, Interactivity and Video Creation</i>
09/2009 - 06/2011	<b>Technische Universität Berlin</b> <i>Fachgebiet Audiokommunikation</i> Academic exchange
09/2005 - 03/2012	<b>Universidad Politécnica de Valencia</b> <i>Escuela Técnica Superior de Ingenieros de Telecomunicación</i> Telecommunications Engineering

## Awards and Acknowledgements

07/2015	<b>ICAD 2015: International Conference on Auditory Display</b> <i>Winner of the Sonification Contest</i> Magnetic Spaces: spatial sonification of the earth's magnetic field
12/2014	<b>Fabra i Coats: Art Factory</b> <i>Cultural Projects Seedbed Residency 2015</i> Free software tools for multimedia performance
11/2014	<b>L'Estruch: Live Arts Creation Factory</b> <i>Multiphonic Projects Residency 2015</i> La Neurona Tropical: brain-controlled interactive 3D music creation
12/2013	<b>Telenoika: Audiovisual Open Creative Community</b> <i>Research and Development Grants 2013</i> Listening Lights: live audio and lights synchronization

## Selected Publications

- DCASE 2019      A. Perez-Lopez, E. Fonseca & X. Serra  
**A hybrid parametric-deep learning approach for sound event localization and detection**  
*DCASE Workshop*  
New York University  
New York, USA, October 2018
- JASA-EL      A. Perez-Lopez & N. Stefanakis  
**Analysis of spherical isotropic noise fields with an A-Format tetrahedral microphone**  
*Journal of the Acoustic Society of America* 146 (4), EL329–EL334  
October 2019
- IWAENC 2018      A. Perez-Lopez  
**Ambiscaper: A Tool for Automatic Generation and Annotation of Reverberant Ambisonics Sound Scenes**  
*16th International Workshop on Acoustic Signal Enhancement (IWAENC)*  
Universitaet fuer Musik und darstellende Kunst Graz  
Tokyo, Japan, September 2018
- AES 2018      A. Perez-Lopez & J. De Mynke  
**Ambisonics Directional Room Impulse Response as a New Convention of the Spatially Oriented Format for Acoustics**  
*144th Convention of the Audio Engineering Society*  
Milan, Italy, May 2018
- ICAD 2015      A. Perez-Lopez  
**3Dj: a SuperCollider Framework for Real-Time Sound Spatialization**  
*On Proceedings of the 21st International Conference on Auditory Display*, pp. 166-173  
Universitaet fuer Musik und darstellende Kunst Graz  
Graz, Austria, July 2015
- TENOR 2015      A. Perez-Lopez, J.M. Alcantara & B.Kientz  
**Bigram Editor: a score editor for the Bigram Notation**  
*International Conference on Technologies for Music Notation and Representation*  
Paris-Sorbone University and IRCAM  
Paris, France, May 2015
- Master Thesis      A. Perez-Lopez  
**Real-Time 3D Audio Spatialization Tools for Interactive Performance**  
*Master in Sound and Music Computing*  
Pompeu Fabra University  
Barcelona, Spain, July 2014