



28 yrs old
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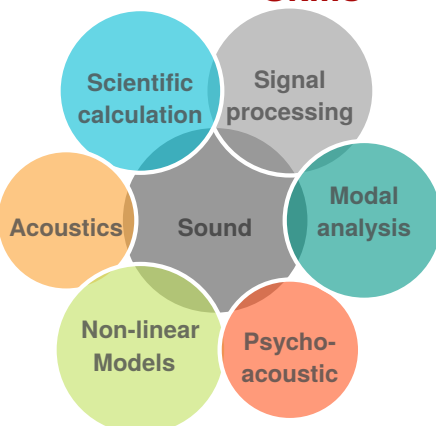
Programming

Matlab ★★★★★
Latex ★★★★★
MaxMSP ★★★★★
Fortran ★★★★★
Javascript ★★★★★
C++ ★★★★★

Languages

French ★★★★★
English ★★★★★

Skills



Vincent Roggerone

PhD in Acoustics

Education

- 2014-2018 **PhD of Univ. Paris-Saclay, École Polytechnique** Palaiseau (91)
Caractérisation of the acoustical field from a loudspeaker mounted on a slender box-shaped enclosure. Application to a sound bar. Speciality: solid mechanics. Under Supervision of Xavier Boutillon (Laboratoire de Mécanique des Solides, LMS) and Etienne Corteel (L-Acoustics). Congratulations of the Jury.
- 2013 - 2014 **Master 2 Research Degree ATIAM** Paris VI (75)
Partnership IRCAM / UMPC / TELECOM SUD PARIS TECH. Acoustic, Signal Processing and Computer Science Applied to Music.
- 2010 - 2012 **École Normale Supérieure de Cachan** Cachan / Orsay Paris XI (94 / 91)
Degree and Master 1 Degree (Information, System and Technology). Speciality: Signal Processing & Applied Physics.
- 2008 - 2010 **``Classe préparatoire aux Grandes Ecoles''** Lycée Rouvière, Toulon (83)
PT & PTSI. ENS Rank: 64th National.

Professional

- 2018 - 2019 **Post-doc in Psycho-acoustics** McGill University, Montréal, CANADA
"Upper Limit of auditory motion reveals how humans track sound in space". Psycho-acoustics experiments, energy model building of auditory mechanism for track sound motion. Under supervision of Catherine Guastavino. Partnership MIL (Multimodal Interaction Lab) & CIRMMT (Centre for Interdisciplinary Research in Music Media and Technology)
- 2014 - 2017 **Instructor : research project in laboratory.** École Polytechnique (91)
Management of engineers students (last year of engineers school) in acoustics and vibration research project (MEC474).
- 2015 **Instructor : practical exercises.** École Polytechnique (91)
Management of practical exercises of engineers students (penultimate year of engineers school) in fluid mechanics.
- 2014 **Service provider (self-employed) in immersive audio** LMSI, Orsay, Paris XI
Installation of an Ambisonic system (32 loudspeakers) for Brian F.G Katz and 3D Sound Labs.
- 2013 **Research Internship of master degree** Ircam / Paris VI (75)
Development of an original method for real-time tempo tracking. Dynamic Inference, Statistics. Under supervision of Gilbert Nouno & Arshia Cont.
- 2012 - 2013 **Long Research Internship** McGill University, Montréal Canada
Study of the perceptual mechanisms of localisation for motion sound sources. Under supervision of Catherine Guastavino. Partnership MIL (Multimodal Interaction Lab) & CIRMMT (Centre for Interdisciplinary Research in Music Media and Technology)
- 2012 **Research Internship of Degree** LMSI, Orsay, Paris XI (92)
Study and Installation of an Ambisonic system (16 loudspeakers) in a CAVE. Under supervision of Brian F.G Katz.
- 2011 **Practical Internship : Sound Engineering** Studio 'PlanetLive', Bondy (93)
Acquired Skills : Balance, Stage Assembly/Dismounting, Using of professional audio material

Volunteer

President of "Bureau des Arts" of ENS Cachan
in charge of 25 volunteer.
25h/week for 1 yrs.

Secretary of "Les sENS de l'Art" 2012.
Organising a Festival
Budget : 40 000€

Hobbies

Music
Guitar

Sport
Climbing
Swimming

Computer
Programming
Video Games

Publications

PhD Thesis

Caractérisation of the acoustical field from a loudspeaker mounted on a slender box-shaped enclosure. Application to a sound bar. Roggerone, Vincent
Univ. Paris-Saclay, École Polytechnique, 2018

Conference

Characterization of the Acoustical Directivity of a Speaker on a Sound Bar Enclosure: A Comparison between Measurements, Boundary Element Method, and a Spheroidal Analytical Model. Roggerone, Vincent, Xavier Boutillon, and Etienne Corteel
AES Paris, 2016. Paper & Talk

A spheroid model for the sound radiation of a loudspeaker on a sound bar. Roggerone, Vincent, Etienne Corteel, and Xavier Boutillon
Acoustics '17 Boston, 173rd Meeting of the Acoust. Soc. of America & the 8th Forum Acusticum. 2017. Talk

Diffraction formulation for the sound radiation of a loudspeaker on a rigid convex edged shape enclosure. Roggerone, Vincent, Etienne Corteel, and Xavier Boutillon
Acoustics '17 Boston, 173rd Meeting of the Acoust. Soc. of America & the 8th Forum Acusticum. 2017. Talk

Parallel Hamerstein Models Identification using Sine Sweeps and the Welch Method. Roggerone, Vincent, Marc Rébillat, and Etienne Corteel
IFAC 2017 World Congress, Toulouse. 2017. Paper & Interactive Poster

Misc

Directivité d'une barre de son : comparaison entre mesures, méthode d'éléments finis de surface et modèle sphéroïdal analytique. Roggerone, Vincent, Xavier Boutillon, and Etienne Corteel
JJCAB 2016. LMA, Marseille. 2016. Talk & Poster

Directivité d'une barre de son : prédiction par un modèle de diffraction basé sur la formulation de Biot Tulstoy Mediwin. Roggerone, Vincent, Etienne Corteel, and Xavier Boutillon
Rencontre Mathématique et Industrie 2017, École Polytechnique, Palaiseau. 2017. Talk & Poster

Referenceable Researchers and/or R&D

Xavier BOUTILLON	PhD Director. CNRS Researcher. Laboratoire de Mécanique des Solides, École Polytechnique, Palaiseau (91)	boutillon@lms.polytechnique.fr
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Etienne CORTEEL	PhD Co-Director. R&D L-Acoustics L-Acoustics, Marcoussis (91)	etienne.corteel@l-acoustics.com
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Marc REBILLAT	Contributor, Senior Lecturer ENSAM, DYnamique Structures Systèmes et Contrôle, Paris (75)	Marc.REBILLAT@ensam.eu
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Catherine GUASTAVINO	Contributor, Associate Professor MIL & CIRMMT, McGill University, Montréal, CANADA	Catherine.guastavino@mcgill.ca
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