



27 yrs old

French driving license

Address

4-5060 Boyer street
H2J 3E9 QC, Montréal

Contact

+1 (514)-208-2823
vincent.roggerone@mcgill.ca

Programming

Matlab ★★★★★

Latex ★★★★★

MaxMSP ★★★★★

Fortran ★★★★★

Javascript ★★★★★

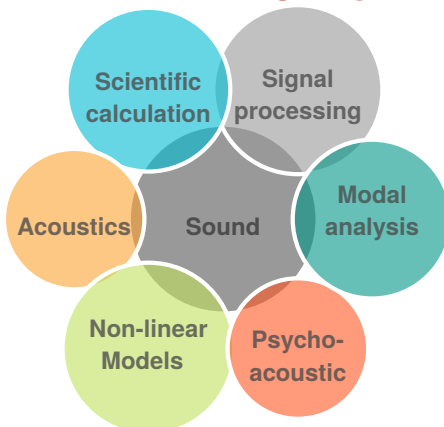
C++ ★★★★★

Languages

French ★★★★★

English ★★★★★

Skills



Vincent Roggerone

PhD in Acoustics

Education

- 2014-2018 **PhD of Univ. Paris-Saclay, École Polytechnique** Palaiseau (91)
Speciality: mechanical. *Caractérisation of the acoustical field from a loud-speaker mounted on a slender box-shaped enclosure. Application to a sound bar.* 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. Rank ENS : 64th National.
- 2008 **Bachelor Degree, speciality Mathematics** Lycée du Coudon, Toulon (83)
Mention Good : 15.7 / 20

Professional

- 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

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.** boutillon@lms.polytechnique.fr
Laboratoire de Mécanique des Solides, École Polytechnique, Palaiseau (91)

Etienne CORTEEL **PhD Co-Director. R&D L-Acoustics** etienne.corteel@l-acoustics.com
L-Acoustics, Marcoussis (91)

Marc REBILLAT **Contributor, Senior Lecturer** Marc.REBILLAT@ensam.eu
ENSAM, DYnamique Structures Systèmes et Contrôle, Paris (75)