Arthur Paté | Associate professor

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Education

French "Qualification aux fonctions de Maître de Conférences (sections 60 et 61)" obtained in Feb. 2022

Université Pierre et Marie Curie Paris, France Ph.D., with honors 2014

Acoustics

Université Pierre et Marie Curie Paris, France

M.Sc., with honors 2011

Acoustics, Signal processing & Computer science applied to Music (ATIAM)

Université Pierre et Marie Curie Paris, France

B.Sc., with honors 2009

Engineering Science

Université Paris Sorbonne Paris, France

B.A., with highest honors 2009

Music and Musicology

Versailles, France

DEM (final diplom at French conservatories), with highest honors 2007

Classical Guitar

ENMD Bourges, France

DEM

Chamber music

ENMD Bourges, France

DEM 2002

Music theory

Research Experience

Junia/ISEN - IEMN Lille, France

Associate professor 2017-ongoing

Research in multimodal perception (mostly sound and vibrotactile), auditory and vibratory display.

Lamont-Doherty Earth Observatory, Columbia University Palisades, NY, USA

Post-doctoral research scientist

2016-2017 Exploration of large data bases of seismic signal by means of auditory display and machine learning; application to

discriminating thermo-cracking, hydraulic fracturing, and frictional sliding in human-induced earthquakes

d'Alembert Inst. & Philharmonie de Paris/Musée de la Musique Paris, France Post-doctoral fellow 2015-2016 Mechanical and perceptual characterization of the voicing process of harpsichords (geometry and material of the plectra)

Université de Cergy-Pontoise / MRTE Lab

Cergy, France

Post-doctoral fellow

2014-2015

Perceptual investigation of the influence of temporal aspects (slope, duration, fluctuations) of aircraft sound signatures on the unpleasantness; signal processing and statistical analysis

d'Alembert Inst. & ISTeP

Paris. France

Research fellow

2014

Sonification of seismic signals, perceptual tests, link with geological features and processes

Université Pierre et Marie Curie / d'Alembert Inst.

Paris, France

Ph.D. candidate

2011-2014

Dissertation's title: "Lutherie of the solid body electric guitar: mechanical and perceptual aspects". Mechanical and perceptual characterization of the influence of the mechanical string/structure coupling on the sound in the case of the electric guitar

McGill University Montréal, Canada

Visiting researcher

2013

Team CAML of the Music Technology department (G. Scavone). 6-week-long measurement campaign at a big industrial electric guitar manufacturer's

d'Alembert Inst. Paris, France

Research intern

2011

Dissertation's title: "Vibroacoustic and perceptive study of electric guitars". Study of the influence of the neck/body junction of electric guitars, both on the vibratory behaviour and on perception

Puce Muse Rungis, France

Research intern

2010

Development of new synthesizers and sound games for the platform "Méta-Mallette" (Max-based software for the production and control of music synthesizers with general public devices, mainly for educational purposes)

Teaching Experience

Junia/ISEN - IEMN

Lille, France

Associate professor

2017-ongoing

Deputy Team Leader of the Acoustics Team (9 researchers, 6 Ph.D. students)

Coordinator of the "Music & Tech" curriculum (\approx 30 students)

Teaching at undergraduate and graduate level in acoustics, audio, computer music, physics, signal processing, as well as supervision of student projects (\approx 6 groups/25 students + a dozen invidual projects per semester), and the organization of conferences by external speakers

Sorbonne Université Paris, France

Invited lecturer

2019, 2021

2h seminar, introduction to research in acoustics, taught to students in the Acoustics curriculum at M.Sc. level

CNED (French center for remote learning)

Chasseneuil. France

Examiner

2018

Writing and correction of exams in Acoustics for 1st and 2nd-year students in Musicology

Computer Music Center, Columbia University

New York, USA

Teaching assistant

2017

Seminar given in the series "Music Math and Mind", main instructors: David Sulzer, Brad Garton

Marie Curie ITN project Waves

Marseille, France

Invited lecturer

Short course (12h) "Sonification of wave(s) data", with B. Holtzman, covered topics: data sonification methods, soun

Short course (12h) "Sonification of wave(s) data", with B. Holtzman, covered topics: data sonification methods, sound synthesis, spatialization, vizualisation, design strategies for communication to the general public. Taught to junior and senior researchers in the fields of physics, acoustics, Earth science

Computer Music Center, Columbia University

New York, USA

Teaching assistant

2016

Class "Sonic and Visual Representation of Natural Data (in python)", main instructor: B. Holtzman. Covered topics: importing and handling scientific data, sonification, vizualisation, Python, basics of musical theory. Taught to M.Sc. and Ph.D. students in music, arts, Earth science, computer science, physics

Université Pierre et Marie Curie

Paris, France

Teaching assistant

2011-2014

Seminars (64h) and practical work (144h) in acoustics, continuum mechanics, signal processing, Fourier/Laplace transform, scientific computing, room acoustics. Supervision of 6 student projects and 2 internships.

Private music lessons Various location

Music teacher

2007-2015

Electric and classical guitar lessons, music theory, to a total of 11 students (children, teenagers, adults)

Awards

CMMR conference Marseille

Best demo award, France

2019

Spatialized sonification and visualization of several seismic phenomena, see publication [D6]

As supervisor or advisor.....

Internal award, Junia

Lille, France

Best student project

2021

Supervised 5 students who developed a mobile app to simulate hearing and visual impairments

Challenge Handicap et technologie

Lille, France

Favorite student project

2018

Supervised 2 students who developed a device that detects a melody and displays it with 12 vibrators

LDEO Research as Art competition, Category "Movie"

Palisades, NY, USA

Winner

2017

Project by Ph.D. candidates Joshua Russell and Celia Eddy at Columbia University, visualization and sonification of the Earth's resonant modes

Grants and funding

(project co-leader)

Vibrating Shapes

2022-2023

Funded by IRCICA - 9k€ - 3 labs involved

"TOTEM" project (project leader)

Touch the music

2022-2024

Funded by the Fondation de France – 55k \in – consortium of 1 lab/1 concert venue/1 association

"HASAMé" project (project partner)

Haptic Surfaces enhanced by Metamaterials

2021–2024

Funded by the French National Research Agency (ANR) – 546k€ – PI F. Giraud – 5 labs involved

"Staccato" project (project partner)

Vibrotactile mediation for shared musical practice

2020-2024

Funded by the French National Research Agency (ANR) – $722k \in$ – PI H. Genevois – I act as a local scientific leader in this collaborative project between 5 labs

"VITAMIN" project (project co-leader)

Visual and tactile modifications of an instrument

2020-2021

Funded by IRCICA – 9k \in – 2 labs involved

"TOTEM" project (project leader)

Touch the music 2018–2020

Funded by the European Agency Interreg FWVL – $30k \in$ – consortium of 1 lab/1 concert venue/1 start-up,

Travel grant 2014

participation in the WoodSciCraft symposium funded by European program COST

Travel grant 2013

participation in the SMAC2013 conference funded by the French acoustical society (GSAM/SFA)

Doctoral grant 2011–2014

Research grant from the French department of higher education and research

Scholarly associations

- French Acoustical Society (SFA):
 - Member since 2011
 - Elected member of the musical acoustics group (GSAM) 2021–2023
 - Elected member of the Northern France group (SRGNO) 2018–2023, scientific leader of this group 2021–2023
- o "Sciences and Musicology" alumni (AASM) (association promoting this double-curriculum at Sorbonne Université)
 - Founding member
 - Elected member of the executive board 2009-2014

Scientific outreach and dissemination

Junia/ISEN Lille, France

Open House 2017–ongoing

3 times yearly open house where I show various demos in the lab: sound spatialization, sonification, vibrating floor and devices, models of matematerials...

Université Catholique de Lille

Lille, France

Open Lab Days

2019

Demo of sonified and spatialized seismic signals

Hayden Planetarium / American Museum of Natural History

New York, USA

Seismodome

2017

Exhibition with sonification and spatialization of seismic signals (major earthquakes, free oscillations of the Earth, event catalog) for introducting the general public to seismology. See www.seismicsoundlab.org

LDEO/Columbia University

Palisades, NY, USA

Open House

2016

Introduction to the basics of seismology using sounds: sound design, exhibition booth preparation, and oral presentation to the general public

laguitare.com website www.laguitare.com

Broadcast

Web-broadcast about the Les Paul guitar for this French website: dissemination of the results of my Ph.D

Université de Cergy-Pontoise

Cergy, France

"Allez Savoir !" magazine

2015

Interview about my research on aircraft noise

Languages

French: Native

English: Fluent B2 level of the French universities (CLES) in 2010, followed by various research stays in the USA

German: Fluent B2 level obtained in 2008 as I was an Erasmus student at the Universität Wien (Vienna, Austria) **Others**: I happened to take Dutch (1 year), Serbo-Croatian (1 year), and French Sign Language lessons (1 year,

level A1.2 reached)

Computer skills

Music: Pure Data, Max/MSP/Jitter, RTcmix, Lily- Scientific Computing: Python, Octave, Matlab, Stapond, Finale, Audacity — basics of: Sox, Protools, tistica, Tanagra, Statgraphics, Uniwin, R (basics) Nuendo, Reaper

Acoustics and mechanics: LEA, Cast3m, Modan

Office: Latex, LibreOffice, MS Office, Inkscape

OS: Linux (mostly), Windows and Mac OS (basics)

Others: HTML, C/C++ (basics)

Supervision of students

Ph.D. Theses.

- o Paul Cambourian (2019–2022), co-supervision with J. Vasseur (Université de Lille, France)
- o Quentin Consigny (2020–2023), co-supervision with J.-L. Le Carrou & H. Genevois (Sorbonne Université, Paris, France)
- o Thomas Daney (2022–2025), co-supervision with J.-L. Le Carrou (Sorbonne Université, Paris, France) & D. Chadefaux (Univ. Sorbonne Paris Nord, Paris, France)

Research internships.

13 students at M.Sc. or B.Sc. level supervised or co-supervised: Rémi Blandin (2013), Elsa Jauffret (2014). Gretta Ngotteni (2018), Manon Guillou (2018), Audrey Gréciet (2019), Salamata Baldé (2020), Valentin Mouton (2020), Boris Légal (2020), Oscar Gal (2021), Léa Kaczmarek (2021), Maxime Petel (2022), Nathan Ouvrai (2022), Vianney Blaise (2022).

Reviewing activities

Journals and conferences.

Journals: Journal of the Acoustical Society of America, Acta Acustica, Applied Sciences, Applied Acoustics, Noise Control Engineering Journal, IEEE transactions on Haptics, Noise Control Engineering Journal, International Journal of Environmental Research and Public Health, Journal of Science and Medicine in Sport, Scientific Reports, Journal on Multimodal User Interfaces

Conferences: International Conference on Auditory Display (ICAD), International Workshop on Haptic and Audio Interface Design (HAID)

Theses.....

External reviewer for:

- o 1 Ph.D. thesis (2019, McGill University)
- o 1 MSc. thesis (2021, McGill University)

Publications and talks

[B1] Sensory Experiences: Exploring meaning and the senses. D. Dubois, C. Cance, M. Coler, A. Paté, C. Guastavino. Amsterdam (NL): John Benjamins Publishing (2021).

Book chapters (peer reviewed).....

[BC11] Perceptual Evaluation of the Quantization Level of a Vibrotactile Signal. Q. Consigny, A. Paté, J.-L. Le Carrou. In Haptic and Audio Interaction Design, C. Saitis, I. Farkhatdinov, S. Papetti. Cham (CH): Springer (2022).

[BC10] TOuch ThE Music: Displaying live Music intro Vibrations. A. Paté, N. d'Alessandro, A. Gréciet, C. Bruggeman. In Haptic and Audio Interaction Design, C. Saitis, I. Farkhatdinov, S. Papetti. Cham (CH): Springer (2022).

[BC9] Chapter 1 — The five senses and the cognitivist approach of perception. D. Dubois, C. Cance, M. Coler, A. Paté. In [B1] (2021).

- [BC8] Chapter 6 Exploring and talking about music. A. Paté, P. Gaillard. In [B1] (2021).
- **[BC7]** Chapter 9 From perception to sensory experiences: A paradigm shift?, D. Dubois, C. Cance, M. Coler, A. Paté, C. Guastavino. In **[B1]** (2021).
- [BC6] Chapter 10 Questioning sensory experience. D. Dubois, C. Cance, M. Coler, A. Paté, C. Guastavino. In [B1] (2021).
- [BC5] Chapter 12 From stimulations to stimuli construction and selection. D. Dubois, C. Cance, A. Paté, M. Coler. In [B1] (2021).
- [BC4] Chapter 13 Procedures and outcomes. D. Dubois, C. Cance, A. Paté. In [B1] (2021).
- [BC3] Chapter 15 The Free Sorting Task: Procedure and data analysis. A. Paté, D. Dubois, C. Guastavino. In [B1] (2021).
- **[BC2]** An acoustician's approach of the solid body electric guitar. A. Paté, J.-L. Le Carrou, B. Fabre. In Quand la guitare s'électrise When the guitar goes electric, P. Bruguière, P. Gonin, B. Navarret (Eds.). Paris (FR): Cité de la Musique.
- [BC1] FA-RE-MI (Faire parler les instruments de musique du patrimoine): Making Historical Musical Instruments Speak. S. Vaiedelich, H. Boutin, A. Paté, A. Givois, B. Fabre, S. Le Conte, J.-L. Le Carrou. In Wooden Musical Instruments Different Forms of Knowledge / Book of End of WoodMusICK COST Action FP1302, M. A. Pérez and E. Marconi (Eds). Pp. 325–341. Paris (FR): Cité de la Musique Publishing (2018)

Theses

- [T2] Ph.D. Thesis: Lutherie de la guitare électrique solid body : aspects mécaniques et perceptifs. Supervision: J.-L. Le Carrou, B. Fabre. Jury: C. Guastavino, F. Gautier, É. Parizet, V. Doutaut, L. Gagliardini, V. Martin, J.-L. Le Carrou, B. Fabre (2014).
- [T1] M.Sc. Thesis: Étude vibroacoustique et perceptive de guitares électriques. Supervision: J.-L. Le Carrou, B. Navarret, D. Dubois (2011).

Peer-reviewed articles...

- [A17] Perception of sound changes induced by a phononic crystal. A. Paté, N. Côté, C. Croënne, J. Vasseur, A.-C. Hladky-Hennion. Acta Acustica 6(42) (2022).
- [A16] Vocabulary to speak about touch: analysis of the discourse of electric guitar players. P. Cambourian, A. Paté, C. Cance, B. Navarret, J. Vasseur. Acta Acustica 6(2) (2022).
- [A15] Pairing a beer with a soundtrack: Is it guided by geographical identity? M. Vandenberghe-Descamps, A. Paté, S. Chollet. Food Quality and Preference 96 (2021).
- [A14] Combining audio and visual displays to highlight temporal and spatial seismic patterns. A. Paté, G. Farge, B. Holtzman, A. Barth, P. Poli, L. Boschi, L. Karlstrom. Journal on Multimodal User Interfaces (2021).
- [A13] Sonification and animation of multivariate data to illuminate dynamics of geyser eruptions. A. Barth, L. Karlstrom, B. Holtzman, A. Paté, A. Nayak. Computer Music Journal 44(1):17-34 (2020).
- [A12] Influence of the player on the dynamics of the electric guitar. J.-L. Le Carrou, A. Paté, B. Chomette. The Journal of the Acoustical Society of America 146(5):3123–3130 (2019)
- [A11] Machine learning reveals cyclic changes in seismic source spectra in Geysers geothermal field. B. Holtzman, A. Paté, J. Paisley, F. Waldhauser, D. Repetto. Science Advances 2018–4:eaao2929 (2018)
- [A10] On the perception of audified seismograms. L. Boschi, L. Delcor, J.-L. Le Carrou, C. Fritz, A. Paté, B. Holtzman. Seismological Research Letters 88(5):1279–1289 (2017)
- [A9] Perception of Harpsichord Plectra Voicing. A. Paté, A. Givois, S. Le Conte, J.-L. Le Carrou, M. Castellengo, S. Vaiedelich. Acta Acustica united with Acustica 103(4):685–704 (2017)
- [A8] Influence of plectrum shape and jack velocity on the sound of the harpsichord: an experimental study. A. Paté, J.-L. Le Carrou, A. Givois, A. Roy. The Journal of the Acoustical Society of America 141(3):1523–1534 (2017)
- [A7] Auditory display of seismic data: On the use of experts' categorizations and verbal descriptions as heuristics for geoscience. A. Paté, L. Boschi, D. Dubois, J.-L. Le Carrou, B. Holtzman. The Journal of the Acoustical Society of America 141(3):2143–2162 (2017)
- [A6] Perceived unpleasantness of aircraft flyover noise: influence of temporal parameters. A. Paté, C. Lavandier, A. Minard, I. Le Griffon. Acta Acustica united with Acustica 103(1):34–47 (2017)

- [A5] Categorization of seismic sources by auditory display: A blind test. A. Paté, L. Boschi, J.-L. Le Carrou, B. Holtzman. International journal of human-computer studies 85:57–67 (2016)
- [A4] Modal parameter variability in industrial electric guitar making: Manufacturing process, wood variability, and lutherie decisions. A. Paté, J.-L. Le Carrou, B. Fabre. Applied Acoustics 96:118–131 (2015)
- [A3] Evolution of the modal behaviour of nominally identical electric guitars during the making process. A. Paté, J.-L. Le Carrou, F. Teissier, B. Fabre. Acta Acustica united with Acustica 101(3):567–580 (2015)
- [A2] Influence of the electric guitar's fingerboard wood on guitarists' perception. A. Paté, J.-L. Le Carrou, B. Navarret, D. Dubois, B. Fabre. Acta Acustica united with Acustica 101(2):347–359 (2015)
- [A1] Predicting the decay time of solid body electric guitar tones. A. Paté, J.-L. Le Carrou, B. Fabre. The Journal of the Acoustical Society of America 135(5):3045–3055 (2014)

Other articles

[OA1] Sonification pour l'exploration et l'analyse de données – Résultats récents et perspectives via l'exemple de la sismologie. A. Paté, L. Boschi, L. Delcor, B. Holtzman, D. Dubois, J.-L. Le Carrou, C. Fritz. Acoustique et Technique 88 (2018)

Conferences with proceedings.....

- [C19] Perceptual Evaluation of the Quantization Level of a Vibrotactile Signal. Q. Consigny, A. Paté, J.-L. Le Carrou. International Workshop on Haptic & Audio Interaction Design, London, UK (2022).
- [C18] TOuch ThE Music: Displaying Live Music into Vibration. A. Paté, N. d'Alessandro, A. Gréciet, C. Bruggeman. International Workshop on Haptic & Audio Interaction Design, London, UK (2022).
- [C17] Vibrating shapes: Design and evolution of a spatial augmented reality interface for actuated instruments. Ç. Arslan, F. Berthaut, A. Beuchey, P. Cambourian, A. Paté. International Conference on New Interfaces for Musical Expression, Auckland, New-Zealand (2022).
- **[C16]** Caractérisation par l'étude de l'impédance électrique d'un transducteur électro-dynamique mécaniquement chargé par différents matériaux. Q. Consigny, A. Paté, J.-L. Le Carrou, H. Genevois. Congrès Français d'Acoustique, Marseille, France (2022)
- [C15] Évaluation perceptive du niveau de quantification d'un signal vibrotactile. Q. Consigny, A. Paté, J.-L. Le Carrou. Congrès Français d'Acoustique, Marseille, France (2022)
- [C14] Understanding the vibrotactile feedback of the electric guitar: Methodology for a physical and perceptual study. P. Cambourian, O. Gal, A. Paté, S. Benacchio, J. Vasseur. Proceedings of Audiomostly, Trento (IT) (2021)
- [C13] Investigating the vocabulary used by electric guitar players to speak about touch. P. Cambourian, A. Paté, C. Cance, B. Navarret, J. Vasseur. Proceedings of Forum Acusticum, Lyon (FR) (2020)
- [C12] Human and Machine Listening of Seismic Data. A. Paté, B. Holtzman, F. Waldhauser, D. Repetto, J. Paisley. ICAD (International Conference on Auditory Display), Penn State University (USA) (2017)
- [C11] Harpsichord voicing: The player's auditive and tactile perception. A. Paté, A. Givois, J.-L. Le Carrou, S. Le Conte, S. Vaiedelich. ISMRA (International Symposium on Musical and Room Acoustics), La Plata (AR) (2016)
- **[C10]** Un dispositif de mesure des caractéristiques géométriques et mécaniques de becs de clavecin (A measurement apparatus for geometrical and mechanical characteristics of harpsichord plectra). Arthur Givois, Arthur Paté, J.-L. Le Carrou, Sandie Le Conte, Stéphane Vaiedelich. Congrès français d'Acoustique (French Congress on Acoustics), Le Mans, France, pp. 1785-1791 (2016)
- **[C9]** Influence of temporal aspects of aircraft sound signature on perceived unpleasantness. A. Paté, C. Lavandier, A. Minard. Internoise, pp. 1805-1816 (2015)
- [C8] Can auditory display help us categorize seismic signals? L. Boschi, A. Paté, Ben Holtzman, J.-L. Le Carrou. ICAD (International Conference on Auditory Display), Graz, Austria (2015)
- [C7] Modal parameter variability in industrial electric guitar manufacturing. A. Paté, J.-L. Le Carrou, B. Fabre. ISMA/USD (Uncertainty in Structural Dynamics), Leuven, Belgium (2014)
- **[C6]** Influence of the instrumentalist on the electric guitar vibratory behaviour. J.-L. Le Carrou, B. Chomette, A. Paté. ISMA (International Symposium on Musical Acoustics), Le Mans, France, pp. 413-417 (2014)
- [C5] Monitoring of the making process of a handcrafted electric guitar. A. Paté, J.-L. Le Carrou, F. Teissier, B. Fabre. ISMA (International Symposium on Musical Acoustics), Le Mans, France (2014)

- [C4] Influence de la touche de la guitare électrique : analyses perceptive et vibratoire. A. Paté, J.-L. Le Carrou, B. Navarret, D. Dubois, B. Fabre. Congrès français d'Acoustique (French Congress on Acoustics), Poitiers, France, pp. 1129-1134 (2014)
- [C3] Ebony vs. rosewood: experimental investigation about the influence of the fingerboard on the sound of a solid body electric guitar. A. Paté, J.-L. Le Carrou, B. Fabre. SMAC (Stockholm Musical Acoustics Conference), pp. 182-187 (2013)
- **[C2]** A vibro-acoustical and perceptive study of the neck-to-body junction of a solid-body electric guitar. A. Paté, J.-L. Le Carrou, B. Navarret, D. Dubois, B. Fabre. Acoustics, Nantes, France (2012)
- **[C1]** About the electric guitar: a cross-disciplinary context for an acoustical study. A. Paté, B. Navarret, R. Dumoulin, J.-L. Le Carrou, B. Fabre, V. Doutaut. Acoustics, Nantes, France (2012)

Conferences without proceedings.

[D9] Audification and sonification of scientific data: listening to pressure records and meteorological data. P. Henry, A. Paté. Marmara Workshop, Marseille (FR) (2022).

[D8] Sonification of very low frequency signals: Listening to seafloor pressure and meteorological time series. P. Henry, L. Kaczmarek, A. Paté. Virtual Geoscience Conference, Marseille (FR) (2021).

[D7] Pairing a beer with a soundtrack, guided by geographical identity? M. Vandenberghe-Descamps, S. Baldé, A. Paté, S. Chollet. 9th European Conference on Sensory and Consumer Research (Eurosense), Rotterdam (NL) (2020)

[D6] Spatialized seismic soundscapes: exploring seismic data in virtual reality. A. Paté, B. Holtzman, L. Boschi, G. Farge, A. Barth, S. Cluett, M. Pratt, J. Candler, D. Repetto, L. Karlstrom, J. Crozier, P. Poli, K. Okamoto, J. Nelson. CMMR (Conference on Multidisciplinary Music Research), Marseille (FR) (2019) [Best Demo Award]

[D5] Bottom pressure record of resonant oscillations in the Sea of Marmara. P. Henry, S. Özeren, N. Postacioğlu, C. Chevalier, N. Yakupoğlu, E. de Saint-Léger, O. Desprez de Gésincourt, Z. Çakir, M. Çağatay, A. Paté, L. Géli. EGU (European Geosciences Union) General Assembly, Vienna (AT) (2019)

[D4] Machine listening for earthquake source characterization: subtle spectral differences indicate changes in thermal-mechanical state in geothermal reservoirs. B. Holtzman, F. Waldhauser, J. Paisley, A. Paté, P. Martínez-Garzón, G. Kwiatek, L. Boschi, N. van der Elst. AGU Fall Meeting, New Orleans (USA) (2018)

[D3] Audio-based, unsupervised machine learning reveals cyclic changes in earthquake mechanisms in the Geysers geothermal field, California. Ben Holtzman, Arthur Paté, John Paisley, Felix Waldhauser, Douglas Repetto, Lapo Boschi. AGU Fall Meeting, New Orleans (USA) (2017)

[D2] SeismoDome: Sonic and visual representation of earthquakes and seismic waves in the planetarium. B. Holtzman, J. Candler, D. Repetto, M. Pratt, A. Paté, M. Turk, L. Gualtieri, D. Peter, V. Trakinski, D. Ebel, J. Gossmann, N. Lem. AGU Fall Meeting, New Orleans (USA) (2017)

[D1] Investigating multimodal perception during the musical performance: The case of harpsichord voicing. A. Paté, A. Givois, J.-L. Le Carrou, M. Castellengo, S. Le Conte, S. Vaiedelich. Meetings of the Acoustical Society of America, Boston (USA) (2017)

Oral communications and Posters.....

[OP5] (oral) Schaeffer and Schafer: When musiciens promote scientific hypotheses on auditory experience. C. Guastavino, A. Paté, P. Gaillard. Uncommon Senses 2, Montreal, Canada (2018)

[OP4] (oral) Cyclic changes in micro-seismicity in the Geysers geothermal field, as revealed by Machine Listening. B. Holtzman, A. Paté, J. Paisley, F. Waldhauser, D. Repetto. Lamont Data Science Symposium, Palisades, USA (2017)

[OP3] (poster) Ebony & rosewood electric guitar fingerboards: do they really sound different? A. Paté, J.-L. Le Carrou, B. Fabre. SMAC (Stockholm Musical Acoustics Conference) (2013)

[OP2] (poster) Symmetrical vs. asymmetrical electric guitar: what change for sound? A. Paté , JJCAAS, Rennes, France (2012)

[OP1] (poster) Étude vibratoire et perceptive de guitares électriques. A. Paté, JJCAAS, Rennes, France (2011)

Invited talks and seminars.....

- o Invited talk for the training of graduate students in the Marie Curie ITN project MultiTouch (PI Frédéric Giraud, L2EP and Polytech Lille, Lille, France) (2020)
- o Invited talk for the Open Lab Days at Université Catholique de Lille (2019)
- Internal seminars at LIB/Sorbonne (2018), LDEO-SGT/Columbia (2017), Laboratoire de Géologie/ENS (2016), UME/ENSTA (2015), ISTeP/UPMC (2015), LVA/INSA-Lyon (2015)

Others

About my work, in the media (I am not the author!!).....

- o Forskning: Tonetræs betydning er overvurderet. Andreas Staarup Madsen. Apache magasinet for danske guitarister (June 2018)
- o Neck Joints, Science, and Sound Opinions. Heiko Hoepfinger. Premier Guitar, pp. 112-114 (May 2017)

Interests and hobbies

Music Electric guitar in various bands: progressive rock, jazz, metal, post-rock, folk

Experimental and improvised electro-acoustical music with my guitar and its effects, as well as my Pure-Data-loaded computer

Voluntary work Former member of the cooperative supermarkets la Louve (Paris, France) and Park Slope Food Coop (New York, USA), now involved in Lille with the project SuperQuinquin, where I am an elected member of the board responsible for general assemblies.

Active in the French "CIGALES" network (fundraising citizen association for social and solidarity economy, financing alternative projects with strong emphasis on the social, ecological and local aspects, that are excluded from the more traditional funding systems): member and treasurer of one in Paris, member of another one in Lille; I've been involved with the regional coordination on the selection of projects and the management of internal training programs in Paris.

I am also involved in the project "9 Milliards" (www.9milliards.com), a platform aiming at empowering citizens for developing open and ethical information media

Others Hiking, biking, reading, movies