Carole MILLOT | Curriculum Vitae

Education

PhD thesis in Phonetics, Phonology and Speech sciences

Title: *Voice profiling using voice quality parameters*   *2023 - Now*

Laboratoire de Phonétique et Phonologie, Inria Mission Défense & Sécurité, Paris

Keywords: voice quality, explainability, speech perception, speaker recognition

Master's degree in Linguistics, Phonetics and Phonology

Université Sorbonne Nouvelle, Paris   *2021 - 2023*

Bachelor's degree in Linguistics

Université Sorbonne Nouvelle, Paris   *2018 - 2021*

Baccalauréat in Sciences, Life and Earth Science

Mathematics specialty   *2018*

Lycée Général et Technologique Marie de Champagne, Troyes

Research work

Does the pre-training of an embedding influence its encoding of age?

Article to be published at ICASSP 2026

Authors: Carole Millot, Clara Ponchard, Cédric Gendrot, Jean-François Bonastre.   *2026*

Keywords: age detection, explainability, perception, speaker recognition, speech embedding

Using gender, phonation and age to interpret automatically discovered speech attributes for explainable speaker recognition

Article published at Interspeech 2025

Authors: Carole Millot, Clara Ponchard, Cédric Gendrot, Jean-François Bonastre, Orane Dufour.   *2025*

Keywords: speaker recognition, explainability, voice quality, speaker traits, perception

Opening the black box in speaker recognition

Article published at Journées d'Études sur la Parole 2024

Authors: Carole Millot, Cédric Gendrot, Jean-François Bonastre.   *2024*

Keywords: voice quality, speech processing, explainability, speech perception, speaker recognition

Modelisation of duration and cepstral modulation in two types of speech: Prosodic and syntactic factors

Master's thesis, also presented as a poster at Rencontres des Jeunes Chercheurs en Parole 2023 *2023*

Keywords: acoustic phonetics, prosody, syntax

Additional scholarly work

Community life

Member of the Jeunes Chercheurs en Parole ("Young Speech Researchers" association).   *2025 - Now*

Teaching

Work as a teaching assistant for the Linguistics Bachelor degree of Université Sorbonne Nouvelle. *2024 - Now*

Conference organization

Part of the organization commitee for the Rencontres des Jeunes Chercheurs en Parole 2025
and the Rencontres des Jeunes Chercheurs de l'ED622 2024 and 2025.   *2024 - 2025*

Research assistant

Worked as a research assistant for a research projet at Laboratoire de Phonétique et Phonologie
(recordings in an anechoic chamber, creation of a perception experiment on PsyToolKit). *2021 - 2023*

End of bachelor's degree internship

I completed a 50-hour internship at Laboratoire de Linguistique Formelle.

Subject: *Study of the context of appearance of French elliptical fragments in oral
corpora (CORAL-ROM, CFPP, CRFP and literary corpus (Frantext)* with Excel. *2021*

Other

Summer school

I attended the University of Eastern Finland's "Introduction to speech and machine learning"
summer school in August 2024. *2024*

Fundings

I obtained a scholarship for my PhD thesis from the 2023 classic PhD thesis AID campain.

I obtained a scholarship for my Master's degree from Université Sorbonne Nouvelle. *2023*