

FRANÇOIS PELLEGRINO

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SENIOR RESEARCHER IN SPEECH COMMUNICATION (DIRECTEUR DE RECHERCHE CNRS)

PROFESSIONAL EXPERIENCE

2016-: CNRS Senior Researcher “1st class”, Laboratoire Dynamique Du Langage, Lyon, France
2009-2016: CNRS Senior Researcher “2nd class”, Laboratoire Dynamique Du Langage, Lyon, France
2004-2012: Director, Laboratoire Dynamique Du Langage, Lyon, France
2002-2004: Deputy Director, Laboratoire Dynamique Du Langage, Lyon, France
1999-2009: CNRS Junior Researcher, Laboratoire Dynamique Du Langage, Lyon, France
1998-1999 Postdoctoral Fellow, Université de Lyon, France

MANAGEMENT ACTIVITIES

2016-present: Deputy Director of the *Neurosciences & Cognition* Doctoral School of the University of Lyon, France
2018-2021: Scientific coordinator of the Initiative of Excellence IDEXLYON, Université de Lyon, France
2011-18: Coordinator of the Laboratory of Excellence ASLAN *Advanced Studies on Language Complexity*, France
2004-12: Director of the research unit *Dynamique Du Langage* (CNRS & University Lumière Lyon 2), France
2002-04: Deputy director of the research unit *Dynamique Du Langage* (CNRS & Univ. Lumière Lyon 2), France

EDUCATION

1994: Master Degree in Engineering, ENSEEIHT, Toulouse, France
1994: Master Degree in Signal Processing (DEA), Institut National Polytechnique de Toulouse, France
1998: Ph.D. in Computer Science, Université de Toulouse, France
2009: ‘Habilitation’ in Linguistics (HDR), Université de Lyon, France

GRANTS

Agence Nationale de la Recherche Labex Grant n°81 (2011-2019) *Advanced studies on language complexity*, 9M€
CNRS Grant for International Cooperation PICS (with Pr. I. Chitoran, Dartmouth College) (2011-2013), 21k€
Agence Nationale de la Recherche Grant 05-3_43182 (2005-09), *Complexity, Language and Languages*, 185k€
Fonds National de la Science, ACI Grant (2003-04), *Structure and dynamics of phonetic-phonological systems*, 56k€
Fonds National de la Science, ACI Grant (2000-02), *From automatic identification to characterization of languages*, 93k€
Région Rhône-Alpes EMERGENCE Grant (2000-01), *Automatic Identification of European languages*, 26k€
CNRS ATIP SHS Grant n°34229 (2000-01), *Identification of Afro-Asiatic languages and dialects*, 24k€

MAIN RESEARCH INTERESTS

- Language Complexity
- Relationship between complexity and information in human language and animal communication
- Speech rhythm modelling and perception
- Automatic speech processing of African languages / Language & dialect identification

OTHER PROFESSIONAL ACTIVITIES (SELECTION)

☒ INSTITUTIONAL COMMITTEES

- Scientific Board, Institute of Humanity and Social Sciences, CNRS (2010-2014)
- Administrative Board, Université Lumière Lyon 2 (2008-2009)
- Administrative Board, ENS Lettres & Sciences Humaines, Lyon (2006-2007)
- Scientific Board, Université Lumière Lyon 2 (2000-2005)

☒ HIRING AND EVALUATION COMMITTEES

- Member of a dozen of hiring committees in linguistics and computer science, Universities of Lyon, Avignon, Grenoble, Paris, and Toulouse (since 2000)
- Member of the hiring and evaluation committees in linguistics and cognitive science, CNRS (2002-2004)
- Member of 23 Ph.D. Dissertation & 11 "Habilitation" Committees

☒ OTHER ACTIVITIES

- Coordinator of the IDEXLYON plan on Artificial Intelligence, Université de Lyon (2018-2021)
- Co-general Chair of the Interspeech 2013 Conference (Lyon)
- Board member of the Association francophone de la communication parlée (2000-2014)
- Member of the Committee SHS2, Agence Nationale de la Recherche (2010-2012, President in 2012)
- External reviewer for scientific research agencies (Canada, Belgium, Switzerland, European Research Council)

SELECTED PUBLICATIONS

[Link](#) to my publication webpage on Google Scholar.

☒ PAPERS IN PEER-REVIEWED JOURNALS

- Ulrich, N., Allasonnière-Tang, M., Pellegrino, F. & Dediu, D. (2021), "Identifying the Russian voiceless non-palatalized fricatives /f/, /s/ and /ʃ/ from acoustic cues using Machine Learning", *Journal of the Acoustical Society of America*.
- Josserand, M., Allasonnière-Tang, M., Pellegrino, F., & Dediu, D. (2021), "Interindividual Variation Refuses to Go Away: A Bayesian Computer Model of Language Change in Communicative Networks". *Frontiers in Psychology*.
- Stave, M. Paschen, L. Pellegrino F. & Seifart, F. (2021), "Optimization of morpheme length: a cross-linguistic assessment of Zipf's and Menzerath's laws", *Linguistics Vanguard*.
- Demuru, E., Pellegrino, F., Dediu, D. & Levrero, F. (2020), "Foraging postures are a potential communicative signal in female Bonobos", *Scientific Reports*.
- Coupé, C., Oh, Y.M., Dediu, D., & Pellegrino, F. (2019), "Different languages, similar encoding efficiency: comparable information rates across the human communicative niche", *Science Advances*.
- Oh, Y.M., Coupé, C., Marsico, E. & Pellegrino, F. (2015), "Bridging Phonological System and Lexicon: Insights from a Corpus Study of Functional Load", *Journal of Phonetics*.
- Pellegrino, F., Coupé, C. & Marsico, E., (2011), "A cross-language perspective on speech information rate", *Language*.
- Ferragne, E. & Pellegrino, F., (2010), "Vowel systems and accent similarity in the British Isles: exploiting multidimensional acoustic distances in phonetics", *Journal of Phonetics*.
- Ferragne, E. & Pellegrino, F., (2010), "Formant frequencies of vowels in 13 accents of the British Isles", *Journal of the International Phonetic Association*.
- Grataloup, C., Hoen, M., Veuillet, E., Collet, L., Pellegrino, F. & Meunier, F., (2009), "Speech Processing: An Interactive Process", *Journal of Speech, Language, and Hearing Research*.
- Hoen, M., Meunier, F., Grataloup, C., Pellegrino, F., Grimault, N., Perrin, F., Perrot, X. & Collet, L., (2007), "Phonetic and lexical interferences in informational masking during speech-in-speech comprehension", *Speech Communication*.
- Rouas, J.L., Farinas, J., Pellegrino, F. & André-Obrecht, R., (2005), "Rhythmic Unit Extraction and Modelling for Automatic Language Identification", *Speech Communication*.

☒ EDITED VOLUMES

- Mufwene, S., Coupé C., & Pellegrino, F. (eds), (2017), *Complexity in Language: Developmental and Evolutionary Perspectives*, Cambridge University Press: Cambridge.
- Pellegrino, F., Marsico, E., Chitoran, I. & Coupé, C. (eds), (2009), *Approaches to phonological complexity*, 16, Mouton de Gruyter: Berlin, New York.