Marnix Van Soom

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Born: January 25, 1992—Bornem, Belgium
Nationality: Belgian

Current position

PhD Candidate at Artifical Intelligence Lab, Vrije Universiteit Brussel
Topic: *Bayesian Nonparametric Glottal Inverse Filtering*

Areas of specialisation

Machine Learning; Bayesian Inference; Signal Processing; Gaussian Processes

Education

(coming) 2026	PhD in Computer Science, Vrije Universiteit Brussel
2017	MSc in Physics and Astronomy, Ghent University

Publications & talks

Talks

2022	Marnix Van Soom and Katie Mudd. The Effect of Network Structure on Lexical Variability in Sign Language Communities. JCoLE *2022*, Teikyo University, Japan
2021	Marnix Van Soom. A Weakly Informative Prior for Resonance Frequencies. MaxEnt *2021*, TU Graz, Austria [Plenary talk]
2019	Marnix Van Soom. A New Approach to the Formant Measuring Problem. MaxEnt *2019*, Max Planck Institute of Plasma Physics, Germany [Plenary talk]

Publications

2022	Marnix Van Soom and Bart De Boer. Softly Constrainted Agent-Based Models. In *Joint Conference on Language Evolution*, Kanazawa, Japan, 2022
2021	Marnix Van Soom and Bart de Boer. A Weakly Informative Prior for Resonance Frequencies. *Physical Sciences Forum*, 3(1):2, 2021
2020	Marnix Van Soom and Bart de Boer. Detrending the Waveforms of Steady-State Vowels. *Entropy*, 22(3):331, March 2020 [Invited paper]
2019	Marnix Van Soom and Bart de Boer. A New Approach to the Formant Measuring Problem. *Proceedings*, 33(1):29, 2019
2019	Marnix Van Soom, Milan van den Heuvel, Jan Ryckebusch, and Koen Schoors. Loan maturity aggregation in interbank lending networks obscures mesoscale structure and economic functions. *Scientific Reports*, 9(1):1–14, August 2019