

Giulia Rambelli

2 March 1993–Gavardo, Italy

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Italian (native) | English & French (proficient)



Research Interests

Lexical and Computational Semantics, Construction Grammars, Usage-based models, Distributional Semantics, Language Processing, Compositionality, Analogy

Funding and Awards

- August 2021 ***SEM 2020 Best Paper Award**, DID THE CAT DRINK THE COFFEE? CHALLENGING TRANSFORMERS WITH GENERALIZED EVENT KNOWLEDGE, Paolo Pedinotti, Giulia Rambelli, Emmanuele Chersoni, Enrico Santus, Alessandro Lenci, Philippe Blache.
- December 2020 **AACL 2020 Best Paper Award**, COMPARING PROBABILISTIC, DISTRIBUTIONAL AND TRANSFORMER-BASED MODELS ON LOGICAL METONYMY INTERPRETATION, Giulia Rambelli, Emmanuele Chersoni, Alessandro Lenci, Philippe Blache, Chu-Ren Huang.
- December 2019 **Grant allocation Bando VINCI 2020**, *Capitolo II: Contributi di mobilità per tesi di dottorato in cotutela*, supported by Università franco-italiana (Université franco-italienne).

Education

- 2018 – 2022 **Ph.D. in Linguistics.**
Thesis Title: Integrating Distributional and Constructional Approaches: Towards a new Model of Language Comprehension
Supervisors: Prof. A. Lenci (University of Pisa), Prof. P. Blache (Aix-Marseille University)
Graduation date: 14/09/2022
joint degree between
University of Pisa – Italy, XXXIV Corso di Dottorato in Discipline Linguistiche e Letterature Straniere, L-LIN/01.
ColingLab laboratory, Pisa, Italy
Aix-Marseille Université – France, ED 356 Cognition, Langage, Éducation, Sciences du Langage.
LPL - Laboratoire Parole et Langage, Aix-en-Provence, France | ILCB
- 2015–2018 **M.Sc. degree in Informatica Umanistica (LM-43)**, University of Pisa, Italy, 110/110 cum laude.
Thesis Title: UDLex: un lessico multilingue della struttura argomentale
Supervisor: Prof. A. Lenci
Graduation date: 03/05/2018
- 2012–2015 **B.A. degree in Informatica Umanistica (L-10)**, University of Pisa, Italy, 110/110 cum laude.
Thesis Title: A distributional lexicon for French verb argument structure: the study of LexFr
Supervisor: Prof. A. Lenci, Co-supervisor: Prof. L. Prévot
Graduation date: 01/10/2015

Traineeships

- March – July 2017 **Erasmus Traineeship**, *Lattice laboratory*, Montrouge, France.
Supervisor: Prof. Thierry Poibeau
- Sep – Dec 2015 **Erasmus Traineeship**, *Laboratoire Parole et Langage*, Aix-en-Provence, France.
Supervisor: Laurent Prévot

International Research Experience

- 26 Jul – 13 Aug 2021 **32nd European Summer School in Logic, Language, and Information (ESSLLI)**, *Free University of Bozen-Bolzano*, held virtually.
- 14–15 Jul 2021 **Summer School "Methods In Language Sciences" - Eye-Tracking course**, *Ghent University*, Ghent, Belgium.
12 hours
- 27 Jan – 12 Feb 2020 **Deep Learning for Natural Language Processing (5th edition)**, *Universidad del Pais Basco*, San Sebastian, Spain.
35 hours
- 2–6 Sep 2019 **Summer School of the Institute for Language, Communication and the Brain (2nd edition)**, *ILCB*, Marseille, France.
- 5–9 Aug 2019 **31st European Summer School in Logic, Language, and Information (ESSLLI)**, *University of Latvia*, Riga, Latvia.
- 9–20 Jul 2018 **25th International Summer School in Cognitive Science**, *New Bulgarian University*, Sofia, Bulgaria.
- 17–28 Jul 2017 **29th European Summer School in Logic, Language, and Information (ESSLLI)**, *Toulouse Capitole University*, Toulouse, France.
- 7 Apr – 27 May 2016 **Corso di Neurolinguistica**, *Scuola Normale Superiore*, Pisa, Italy.
Professor: Valentina Bambini.
30 hours

Technical Skills

- programming Python including ML and DL tools (Gensim, SciKit Learn, Pytorch) ●●●●, Javascript ●●●●, PHP ●●●●, Java ●●●●
- statistical analysis R ●●●●
- markup languages \LaTeX ●●●●, XML●●●●, HTML/ CSS●●●●
- DB administration MySQL ●●●●, Neo4j ●●●●
- design Adobe Photoshop ●●●●, Adobe Illustrator●●●●, Adobe InDesign ●●●●

Languages

Italian **Native Speaker**

English **fluent**

*Writing workshop for both experienced and young academics
CLI - Università di Pisa, (31/07/2015): C1*

French **fluent**

Academic Activities

- organizer ATE_ABSITA task at EVALITA 2020; “Interruzioni & Cesure” International Graduate Conference (2019)

conference EMNLP 2022, COLING 2022, CMCL 2022; AIXIA2021, EMNLP 2021, CMCL 2021; CMCL 2020,
reviewer COLING 2020, LINCRI 2020; ACL 2019, CMCL 2019, IWCS 2019

Publications

- 2022 **Giulia Rambelli**, Alessandro Lenci, Philippe Blache (2022). *A Self-Paced Reading study on Processing Constructions with different degrees of Compositionality*. Poster @ Human Sentence Processing (HSP) Conference.
- 2021 Paolo Pedinotti, **Giulia Rambelli**, Emmanuele Chersoni, Enrico Santus, Alessandro Lenci, Philippe Blache (2021). *Did the Cat Drink the Coffee? Challenging Transformers with Generalized Event Knowledge*. Proceedings of *SEM 2021.
- 2020 Lorenzo De Mattei, Graziella De Martino, Andrea Iovine, Alessio Miaschi, Marco Polignano, **Giulia Rambelli** (2020). ATE_ABSITA @ EVALITA2020: Overview of the Aspect Term Extraction and Aspect-based Sentiment Analysis Task. Proceedings of EVALITA2020.
- Giulia Rambelli**, Emmanuele Chersoni, Alessandro Lenci, Philippe Blache, Chu-Ren Huang. *Comparing Probabilistic, Distributional and Transformer-Based Models on Logical Metonymy Interpretation*. Proceedings of the 1st Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 10th International Joint Conference on Natural Language Processing.
- 2019 **Giulia Rambelli**, Emmanuele Chersoni, Philippe Blache, Chu-Ren Huang and Alessandro Lenci (2019). *Distributional Semantics Meets Construction Grammar. Towards a Unified UsageBased Model of Grammar and Meaning*. Proceedings of The First International Workshop on Designing Meaning Representations (DMR).
- 2017 **Giulia Rambelli**, Alessandro Lenci, and Thierry Poibeau (2017). *Udlex: Towards cross-language subcategorization lexicons*. In Proceedings of the Fourth International Conference on Dependency Linguistics (DepLing 2017).
- 2016 Emmanuele Chersoni, **Giulia Rambelli**, and Enrico Santus (2016). *Cogalex-v shared task: ROOT18*. In Proceedings of the 5th Workshop on Cognitive Aspects of the Lexicon, CogALex@COLING 2016.
- Giulia Rambelli**, Gianluca E. Lebani, Laurent Prévot, and Alessandro Lenci (2016). *LexFr: Adapting the LexIt framework to build a corpus-based French subcategorization lexicon*. In Proceedings of the 10th International Conference on Language Resources and Evaluation (LREC 2016).
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