

Marco S. G. Senaldi

Ph.D. Student

Faculty of Humanities
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Personal

nationality Italian
date of birth May 30, 1991
place of birth Gallarate (VA), Italy
home address via San Francesco 55, 56127, Pisa (PI), Italy

Research Interests

NLP Distributional Semantics, Corpus Linguistics, Deep Learning
Linguistics Idiomatic Expressions and Figurative Language, Multiword Expressions, Constructionist and Usage-based Approaches
Psycholinguistics Behavioral and Eye-tracking Research on Figurative Language Processing

Current Position

Nov. 2015–current Ph.D. Student in Linguistics, Scuola Normale Superiore di Pisa, Faculty of Humanities

Education

Sep. 2016–
Dec. 2016 **Graduate Research Trainee**, *McGill Language and Multilingualism Laboratory*, Montréal, Canada.
Tutor: prof. D. Titone
2013–2015 **Master degree in Linguistics**, *University of Pisa*, Pisa, Italy, *110/110 cum laude*.
Thesis Title: Casting Light on Idiom Flexibility: A Corpus-based Approach
Relator: prof. A. Lenci, Corelator: prof. G. Marotta, Tutors: prof. P. M. Bertinetto, dr. G. E. Lebani
2013–2015 **Degree (*Diploma di Licenza*) in Linguistics**, *Scuola Normale Superiore*, Pisa, Italy.
2010–2013 **Bachelor degree in Literature and Linguistics**, *University of Pisa*, Pisa, Italy, *110/110 cum laude*.
Thesis Title: Aorist and Imperfect in Homeric Greek
Relator: dott.ssa D. Romagno

Research and Academic Experience

Jan. 2015–
Mar. 2015 **Internship at the Computational Linguistics Laboratory**, *Department of Philology, Literature and Linguistics*, University of Pisa.
details: computational analysis of the syntactic productivity in a set of Italian argument structure constructions.

Technical skills

programming Python, R, SR Research Experiment Builder, EyeLink Data Viewer

others markup languages and related technologies (L^AT_EX)
OSs Windows, Linux

Languages

Italian native
English fluent
French basic

Publications

- 2019 L. C. Passaro, M. S. G. Senaldi, and A. Lenci (2019). “Do Idioms Have a Heart? The SIDE (Sentiment of IDiomatic Expressions) Project”. *Proceedings of The 11th International Conference on the Mental Lexicon*
- M. S. G. Senaldi, Y. Bizzoni, and A. Lenci (2019). “What Do Neural Networks Actually Learn, When They Learn to Identify Idioms?” *Proceedings of the Society for Computation in Linguistics (SCiL)*. New York City, NY, USA, pp. 310–313
- 2018 Y. Bizzoni, M. S. G. Senaldi, and A. Lenci (2018). “Finding the Neural Net: Deep-learning Idiom Type Identification from Distributional Vectors”. *Italian Journal of Computational Linguistics* 4.1, pp. 27–41
- 2017 Y. Bizzoni, M. S. G. Senaldi, and A. Lenci (2017). “Deep-learning the Ropes: Modeling Idiomaticity with Neural Networks”. *Proceedings of the Fourth Italian Conference on Computational Linguistics (CLiC-it 2017)*, pp. 36–41
- A. Lenci, F. Masini, M. Nissim, S. Castagnoli, G. E. Lebani, L. C. Passaro, and M. S. G. Senaldi (2017). “How to harvest Word Combinations from corpora. Methods, evaluation and perspectives”. *Studi e Saggi Linguistici* 55.2, pp. 45–68
- M. S. G. Senaldi, G. E. Lebani, and A. Lenci (2017a). “Determining the Compositionality of Noun-Adjective Pairs with Lexical Variants and Distributional Semantics”. *Italian Journal of Computational Linguistics* 3.1, pp. 43–58
- M. A. Rodda, M. S. G. Senaldi, and A. Lenci (2017). “Panta Rei: Tracking Semantic Change with Distributional Semantics in Ancient Greek”. *Italian Journal of Computational Linguistics* 3.1, pp. 11–24
- 2016 M. A. Rodda, M. S. G. Senaldi, and A. Lenci (2016). “Panta Rei: Tracking Semantic Change with Distributional Semantics in Ancient Greek”. *Proceedings of the Third Italian Conference on Computational Linguistics (CLiC-it 2016)*. **Distinguished Young Paper Award**
- M. S. G. Senaldi, G. E. Lebani, and A. Lenci (2016a). “Determining the Compositionality of Noun-Adjective Pairs with Lexical Variants and Distributional Semantics”. *Proceedings of the Third Italian Conference on Computational Linguistics (CLiC-it 2016)*. **Distinguished Young Paper Award**
- M. S. G. Senaldi, G. E. Lebani, and A. Lenci (2016b). “Lexical Variability and Compositionality: Investigating Idiomaticity with Distributional Semantic Models”. *Proceedings of the 12th Workshop on Multiword Expressions (MWE 2016)*, pp. 21–31

- 2015 G. E. Lebani, M. S. G. Senaldi, and A. Lenci (2015). "Modeling Idiom Variability with Entropy and Distributional Semantics". *Proceedings of the 6th Conference on Quantitative Investigations in Theoretical Linguistics (QITL 6)*. Tübingen, Germany
- A. Lenci, G. E. Lebani, M. S. G. Senaldi, S. Castagnoli, F. Masini, and M. Nissim (2015). "Mapping the Constructicon with SYMPATHy. Italian Word Combinations between fixedness and productivity". *Proceedings of the NetWordS Final Conference on Word Knowledge and Word Usage: Representations and Processes in the Mental Lexicon*. Pisa, Italy, pp. 144–149

Abstracts

- 2019 M. S. G. Senaldi, P. Canal, and A. Lenci (2019). "Not all passives are processed equal: Verb voice and word order in idiom comprehension". *32nd Annual CUNY Sentence Processing Conference*. University of Colorado, Boulder
- 2018 I. Fioravanti, M. S. G. Senaldi, A. Lenci, and A. Siyanova-Chanturia (2018). "Lexical Fixedness and Compositionality in Native and Non-native Speakers Intuitions about Italian Word Combinations: Psycholinguistic and Computational Perspectives". *Workshop on Psycholinguistic and Computational Perspectives on Non-Compositional Meaning in Phrases*. Tübingen, Germany
- L. C. Passaro, M. S. G. Senaldi, and A. Lenci (2018). "Do idioms have a heart? The SIDE (Sentiment of IDiomatic Expressions) project". *11th International Conference on the Mental Lexicon*. University of Alberta, Edmonton
- M. S. G. Senaldi, P. Canal, A. Lenci, and P. M. Bertinetto (2018). "How idiomaticity and verb voice affect sentence reading: an eye-tracking study on Italian". *31st Annual CUNY Sentence Processing Conference*. University of California, Davis
- 2017 M. S. G. Senaldi, G. E. Lebani, and A. Lenci (2017b). "Exploring idiomaticity with distributional semantics and entropy". *DGfS 2017 Workshop on the Role of Constituents in MWEs*. Saarbrücken, Germany
- 2016 M. S. G. Senaldi, G. E. Lebani, and A. Lenci (2016c). "Predicting crowdsourced idiomatic flexibility judgments from corpus-based statistics". *the 22nd AMLaP conference, Architectures and Mechanisms for Language Processing*. Bilbao, Spain
- 2015 S. Castagnoli, F. Masini, M. Nissim, G. E. Lebani, M. S. G. Senaldi, and A. Lenci (2015). "Extracting and Analysing Italian Word Combinations with SYntactically Marked PATterns". *PARSEME 4th general meeting*. Valletta, Malta

Editorial Activity

Editorial Assisant Italian Journal of Linguistics

Student Volunteer ACL 2019
Coordinator

Reviewer IWCS 2019, ACL 2019

*SEM 2018, CogACLL 2018, Mental Lexicon 2018, CLiC-it 2018

LREC 2018, Tracks: "Terminology", "Multiword Expressions", "Semantics"

AMLaP 2017, ESSLLI 2017 Student Session

CLIC-it 2016, Area: "Cognitive modeling of language processing and psycholinguistics"

COLING 2016, Tracks: "Semantic processing", "Distributional semantics", "Compositionality"

Conferences

- 2019 32nd Annual CUNY Sentence Processing Conference. Boulder, CO, USA, 29-31 March 2019
SCiL 2019, Society for Computation in Linguistics. New York City, NY, USA, 3-6 January 2019
- 2018 Workshop on Psycholinguistic and Computational Perspectives on Non-Compositional Meaning in Phrases, Tübingen, 29-30 November 2018
11th International Conference on the Mental Lexicon. Edmonton, Canada, 25-28 September 2018
31st Annual CUNY Sentence Processing Conference. Davis, CA, USA, 15-17 March 2018
- 2017 CLiC-it 2017, Fourth Italian Conference on Computational Linguistics. Rome, 11-13 December 2017
Wen wurmt der Ohrwurm? An Interdisciplinary, Cross-Lingual Perspective on the Role of Constituents in Multi-Word Expressions, Workshop at the Annual Conference of the German Linguistic Society (DGfS) 2017. Saarbrücken, 8-10 March 2017
- 2016 CRBLM Scientific Day. Montréal, 13 December 2016
AMLaP 2016, Architectures and Mechanisms for Language Processing. Bilbao, 1-3 September 2016
ACL 2016, Annual meeting of the Association for Computational Linguistics. Berlin, 7-12 August 2016
- 2015 CLiC-it 2015, Second Italian Conference on Computational Linguistics. Trento, 3-4 December 2015
QITL-6, Quantitative Investigations in Theoretical Linguistics. Tübingen, 4-6 November 2015
NetWordS Final Conference on Word Knowledge and Word Usage: Representations and Processes in the Mental Lexicon. Pisa, 30 March-1 April 2015
- 2014 CLiC-it 2014, First Italian Conference on Computational Linguistics. Pisa, 9-10 December 2014

Summer Schools

- 2014 ESSLLI 2014 - 26th European Summer School in Logic, Language and Information. Eberhard Karls Universität Tübingen, Germany, 11-22 August 2014

last updated: May 20, 2019