

Lucia, C. Passaro

Postdoctoral Fellow

Current Position

2017–current **Postdoctoral Fellow** at the Dipartimento di Filologia, Letteratura e Linguistica, University of Pisa. Member of the Computational Linguistics (CoLing) Laboratory. Expert on the subject (Cultore della Materia) for the course of Computational Linguistics at University of Pisa

Research Interests

Emotion Detection, Sentiment Analysis, Opinion Mining, Information Extraction
Information Retrieval, Business Intelligence, Competitive Intelligence

Research Projects

- 2017-in corso **UBIMOL - UBIquitous Massive Open Learning**
Project funded by Regione Toscana POR FESR 2014 – 2020. UBIMOL aims at developing an E-learning platform enriched with innovative NLP technologies able to offer personalized courses. The project involves the companies M.E.T.A. Srl, 01Sistemi Srl, VIDITRUST Srl, PERSAFE Srl and the research partners ILC-CNR and CoLing Lab (University of Pisa)
- 2014-current **Memorie di Guerra**
The goal of this project is the application of State-of-the-Art NLP techniques to war memories and historical documents, in order to enhance historical research and to preserve the historical memory of these events. The project involves other research partners like ILC-CNR and University of Siena
- 2013-2015 **SEMPlice - SEMantic instruments for PubLIc administrators and CitizEns**
A 2-year project funded by Regione Toscana aimed at the development of NLP-based tools for knowledge management, information extraction and opinion mining for local public administrations. This project brings together University of Pisa and Tuscany Companies like 01S, BNova, Seacom

Work Experience

- 2013 - 2016 **Research Assistant** at the Dipartimento di Filologia, Letteratura e Linguistica, University of Pisa.
- 2012 - 2013 **Business Intelligence Developer** at Extra s.r.l., Pontedera, PI.

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- 2011 - 2012 6 months Internship at Extra s.r.l. for the preparation of the thesis about BI Process (from ETL to data analysis) using Open Source Instruments
- 2009 6 months Internship at ILC-CNR in Pisa for the preparation of the thesis about Automatic Classification of Event names in Italian.

Education

- 2013–2016 **Ph.D. in Ingegneria dell'Informazione, University of Pisa**
Thesis Title Distributional Models of Emotions for Sentiment Analysis and Social Media
Tutors Prof. A. Lenci, Prof. Francesco Marcelloni, Prof. Gigliola Vaglini
- 2009 - 2012 **M.Sc. degree in Business Informatics, University of Pisa, Pisa, Italy**
Thesis Title La Business Intelligence per l'analisi dell'approvvigionamento delle Carte Nazionali dei Servizi
Relator: Prof. A. Albano
Corelator: Prof. S.Ruggieri
- 2006 - 2009 **B.A. degree in Informatica Umanistica, University of Pisa, Pisa, Italy**
Thesis Title: Classificazione automatica dei nomi di evento in italiano: Un confronto tra metodi di apprendimento
Relator: Prof. A. Lenci

Technical skills

- BI Pentaho: Kettle; Report Designer; Metadata Editor; Design Studio; Aggregation Designer; SAP: Business Objects; Qlikview.
- Languages Python; C; Perl; SQL (PLSQL / PGPLSQL); XML; MDX.
- DBMS MySQL; PostgreSQL; Oracle; Infobright; Microsoft SQL Server; SQLite.
- OSs Linux, Microsoft Windows.

Publications

- in press Lenci A., Lebani G. E. and **Passaro L. C.** (in press). The Emotions of Abstract Words: A Distributional Semantic Analysis. *Topics in Cognitive Science*.
- Lenci A., Masini F., Nissim M., Castagnoli S., Lebani G. E. and **Passaro L. C.** (in press). How to harvest Word Combinations from corpora: Methods, evaluation and perspectives. *Studi e Saggi Linguistici*.
- Lenci A., Labanca N., Marazzini C., Montemagni S., Boschetti F., De Felice I., Dei Rossi S., Dell'Orletta F., Di Giorgio M., **Passaro L. C.** and Venturi G. (in press). Voci della Grande Guerra Preserving the Digital Memory of World War I. *In Proceedings of AIUCD 2018*.
- 2017 Bondielli A., **Passaro L. C.** and Lenci A. (2017). Emo2Val: Inferring Valence Scores from fine-grained Emotion Values. *In Proceedings of Clic-it 2017*. Rome (Italy), December 2017.

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- Passaro L. C.**, Lenci A. and Gabbolini A. (2017). INFORMed PA: A NER for the Italian Public Administration Domain. *In Proceedings of Clic-it 2017*. Rome (Italy), December 2017.
- 2016 **Passaro L. C.**, Bondielli A. and Lenci A. (2016). Exploiting Emotive Features for the Sentiment Polarity Classification of tweets. *In Proceedings of EVALITA 2016*. (pp. 205-210). Napoli (Italy), December 2016.
- Passaro L. C.**, Bondielli A. and Lenci A. (2016). FB-NEWS15: A Topic-Annotated Facebook Corpus for Emotion Detection and Sentiment Analysis. *In Proceedings of CLiC-it 2016*. (pp. 228-232). Napoli (Italy), December 2016.
- Passaro L. C.** and Lenci A. (2016). Evaluating Context Selection Strategies to Build Emotive Vector Space Models. *In Proceedings of LREC 2016*. (pp. 2185-2191). Portorož (Slovenia), May 2016.
- 2015 **Passaro L. C.**, Pollacci L. and Lenci A. (2015). ItEM: A Vector Space Model to Bootstrap an Italian Emotive Lexicon. *In Proceedings of CLiC-it 2015*. (pp. 215–220). Trento (Italy), December 2015.
- Nissim M., Castagnoli S., Masini F., Lebani G. E., **Passaro L. C.** and Lenci A. (2015). Automatic extraction of Word Combinations from corpora: evaluating methods and benchmarks. *In Proceedings of CLiC-it 2015*. (pp. 204-208). Trento (Italy), December 2015.
- Passaro L. C.** and Lenci A. (2015). Extracting terms with EXTra. *In Proceedings of EUROPHRAS 2015*. (pp. 188–196). Málaga (Spain), July 2015.
- Castagnoli S., Lebani G. E. Lenci A., Masini F., Nissim M. and **Passaro L. C.** (2015). POS-patterns or Syntax? Comparing methods for extracting Word Combinations. *In Proceedings of EUROPHRAS 2015*. (pp. 116-128). Málaga (Spain), July 2015.
- 2014 **Passaro L. C.**, Lebani G. E. Pollaci L., Chersoni E., and Lenci A. (2014). The CoLing Lab system for Sentiment Polarity Classification of tweets. *In Proceedings of EVALITA 2014*. (pp. 87-92). Pisa (Italy), December 2014.
- Passaro L. C.** and Lenci A. (2014). “Il Piave mormorava...”: Recognizing Locations and other Named Entities in Italian Texts on the Great War. *In Proceedings of CLiC-it 2014*. (pp. 286–290). Pisa (Italy), December 2014.
- Boschetti F., Cimino A., Dell’Orletta F., Lebani G. E., **Passaro L. C.**, Picchi P., Venturi G., Montemagni S. and Lenci A. (2014). Computational Analysis of Historical Documents: An Application to Italian War Bulletins in World War I and II. *In Proceedings of the LREC 2014 Workshop LRT4HDA*. (pp. 70-76). Reykjavík (Iceland), May 2014.