

# Angeliki Lazaridou

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## CONTACT INFORMATION

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## RESEARCH INTERESTS

Natural language processing  
Multimodal meaning representations  
Compositional distributional semantics and applications to parsing and morphology  
Computer Vision  
Sentiment Analysis

## EDUCATION

### **Ph.D. Computational Linguistics**

University of Trento - Center for Mind/Brain Sciences, Trento, Italy  
Expected Completion: March 2016  
Supervisor: Prof. Dr. Marco Baroni

### **M.A. Computational Linguistics**

Saarland University, Saarbrücken, Germany, December 2012  
Overall Final Grade: sehr gut (1.4) – *best is 1.0*  
A Bayesian Model for Joint Induction of Sentiment, Aspect and Discourse Information  
Supervisors: Dr. Ivan Titov, Dr. Caroline Sporleder

### **B.Sc. Informatics and Telecommunications**

University of Athens, Athens, June 2010  
Overall Final Grade: 7.95 – *best is 10.0*  
Thesis: Entity-level sentiment classification of textual data from the web (*in greek*)  
Supervisors: Dr. George Paliouras, Prof. Dr. Panagiotis Stamatopoulos

## EMPLOYMENT

### **Siemens Corporate Technology**

**June 2015 - ongoing**

Medical Imaging and Computer Vision Lab  
Princeton, NJ, USA

*Research Intern (full-time)*

The goal of this internship is to design a system based on recurrent neural networks for the decoding of brain activation signal into sequences of words.

Supervisor: Francisco Pereira

### **University of Trento - Fondazione Bruno Kessler**

**July 2012 - Sept 2012**

Trento, Italy

*Student Intern (full-time)*

During my internship, I developed a system for conducting extrinsic evaluations of various entity linking techniques in the task of Machine Translation. At the same time, I worked in improving Machine Translation of words in context by means of word sense disambiguation through entity linking in Wikipedia.

Supervisor: Claudio Giuliano

### **Saarland University - Computational Linguistics and Phonetics Jan 2011 - June 2011**

Saarbrücken, Germany

*Student Research Assistant (part-time)*

I was employed in the group “Machine Learning for NLP”. My responsibilities were to design and implement a Bayesian model for extracting and analyzing information regarding sentiment from product reviews.  
Supervisor: Ivan Titov

**NCSR “Demokritos”**

**Aug 2011 - Nov 2011**

Athens, Greece

*External Research Assistant (part time)*

I was employed by the European Project SYNC3. My responsibilities were to design and evaluate an automatic sentiment classification platform for news blog posts based on Conditional Random Fields.

Supervisor: George Paliouras

ACTIVITIES

**Student Chair**

Student Research Workshop at NAACL 2016

**Area Chair**

Language and Computation (Student Session ESSLLI 2015)

**Reviewer**

\*SEM 2015, Student Session NAACL 2015, Student Session ACL 2014, ECML/PKDD 2012

**MSc Student Supervision**

Dat Tien Nguyen, supervised on *Visual Semantic Compositionality* (internship, 2014) and *Image Generation of Linguistic Concepts* (MSc Thesis, ongoing).

Laura Maria Bostan, supervising on *Applying Distributional and Compositional Semantics for Predicting Image Memorability* (internship, ongoing).

Thanh Cong Le, co-supervising on *Applying Feature Inclusion For Detecting Hypernym Relations in Visual Concepts* (internship, ongoing).

AWARDS

**Facebook PhD Fellowship Finalist**

January 2015, Facebook

**Erasmus Mundus Scholarship,**

to study on EM-LCT Program for 2 years (2010-2012), European Commission

**Zosima Scholarship**

2010, Ministry of Education

PROGRAMMING

Python, Matlab, Java (*advanced*)

C/C++, Bash Scripting (*intermediate*)

Haskell, Scheme, Prolog (*basic*)

OTHER  
ACTIVITIES

**Scouting**

Active member of Greek Scouting (2003-2010).

Team scouting leader of children 7-12 years (2009-2010).

**Sports**

Flatwater kayak athlete (1998-2008).

Member of Greek National Team (2003-2006).

Participated in the 2005 Juniors European Championship (Plovdiv, Bulgaria).

LANGUAGES

Greek (*native*), English (*proficient*), French (*intermediate*), Italian (*basic*)

## TALKS

### **IBM Watson, NLP group, NY**

July 2015 Title: Multimodal Language Learning.

### **Facebook AI Research, NY**

Summer 2015 (upcoming) Title: Multimodal Language Learning.

### **University of Tübingen**

Collaborative Research Center, "Construction of meaning" December 2015 (upcoming)

## PUBLICATIONS

### **Angeliki Lazaridou, Marco Marelli, Marco Baroni**

Multimodal word meaning induction from minimal exposure to natural text. *Under Preparation*.

### **Angeliki Lazaridou, Dat Tien Nguyen, Raffaella Bernardi, Marco Baroni**

Unveiling the Dreams of Word Embeddings: Towards Language-Driven Image Generation. *Submitted at NIPS 2015*.

### **Angeliki Lazaridou, Georgiana Dinu, Marco Baroni**

Understanding and improving cross-space mapping for zero-shot classification. (ACL 2015).

### **Nghia The Pham, Angeliki Lazaridou, Marco Baroni**

A Multitask Objective to Inject Lexical Contrast into Distributional Semantics. (ACL-Short 2015).

### **Nghia The Pham, German Kruszewski, Angeliki Lazaridou, Marco Baroni**

Jointly optimizing word representations for lexical and sentential tasks with the C-PHRASE model. (ACL 2015).

### **Georgiana Dinu, Angeliki Lazaridou, Marco Baroni**

Improving zero-shot learning by mitigating the hubness problem. In ICLR, 2015 (Workshop Track).

### **Angeliki Lazaridou, Georgiana Dinu, Adam Liska, Marco Baroni**

From visual attributes to adjectives through vector-based compositional semantics.  
In Transactions of the Association for Computational Linguistics (TACL 2015).

### **Angeliki Lazaridou, Nghia The Pham, Marco Baroni**

Combining Language and Vision with a Multimodal Skip-gram Model. In NAACL, 2015.  
*also appeared at NIPS 2014, Learning Semantics Workshop*.

### **Dat Tien Nguyen, Angeliki Lazaridou, Raffaella Bernardi**

Coloring Objects: Adjective-Noun Visual Semantic Compositionality. In Vision and Language Workshop, COLING, 2014.

### **Angeliki Lazaridou, Elia Bruni, Marco Baroni**

Is this a wampimuk? Cross-modal mapping between distributional semantics and the visual world.  
In ACL, 2014.

### **Dasha Bogdanova, Angeliki Lazaridou**

Cross-Language Authorship Attribution. In LREC, 2014.

### **Angeliki Lazaridou, Eva Maria Vecchi, Marco Baroni**

Fish transporters and miracle homes: How compositional distributional semantics can help NP parsing. In EMNLP, 2013.

### **Angeliki Lazaridou, Marco Marelli, Roberto Zamparelli, Marco Baroni**

Compositionally Derived Representations of Morphologically Complex Words in Distributional

Semantics. In ACL, 2013.

**Angeliki Lazaridou, Ivan Titov, Caroline Sporleder**

A Bayesian Model for Joint Unsupervised Induction of Sentiment, Aspect and Discourse Representations. In ACL, 2013.

**Nikolaos Engonopoulos, Angeliki Lazaridou, George Paliouras, Constadinos Chandrinou**

ELS: a word-level method for entity-level sentiment analysis. In WIMS, 2011.