

## Tahira Naseem

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### EDUCATION

*PhD*, in Computer Science (September 2007 to February 2014)  
Massachusetts Institute of Technology, Cambridge, MA, USA

*Master of Science*, in Computer Science (2002-2005)  
National University of Computer and Emerging Sciences, Lahore, Pakistan

*Bachelor of Science*, in Computer Science (1999-2002)  
Lahore College for Women, Lahore, Pakistan

### RESEARCH INTERESTS

My research interests lie in the following areas:

- Natural Language Processing
- Probabilistic Graphical Models
- Linguistics

### PUBLICATIONS

- *Many Views in One: Dependency Parsing Using Corpus Level Models*  
Tahira Naseem, Tommi Jaakkola, and Regina Barzilay. submitted to ACL 2014
- *Selective Sharing for Multilingual Dependency Parsing*  
Tahira Naseem, Regina Barzilay, and Amir Globerson. ACL 2012
- *Using Semantic Cues to Learn Syntax*  
Tahira Naseem and Regina Barzilay. AAI 2011
- *In-domain Relation Discovery with Meta-constraints via Posterior Regularization*  
Harr Chen, Edward Benson, Tahira Naseem, and Regina Barzilay. ACL/HLT 2011
- *Using Universal Linguistic Knowledge to Guide Grammar Induction*  
Tahira Naseem, Harr Chen, Regina Barzilay, and Mark Johnson. EMNLP 2010
- *Multilingual Part-of-Speech Tagging: Two Unsupervised Approaches*  
Tahira Naseem, Benjamin Snyder, Jacob Eisenstein, and Regina Barzilay. JAIR 36 (2009)
- *Unsupervised Multilingual Grammar Induction*  
Benjamin Snyder, Tahira Naseem, and Regina Barzilay. ACL 2009
- *Adding More Languages Improves Unsupervised Multilingual Part-of-Speech Tagging: A Bayesian Non-Parametric Approach*  
Benjamin Snyder, Tahira Naseem, Jacob Eisenstein, and Regina Barzilay. NAACL 2009
- *Unsupervised Multilingual Learning for POS Tagging*  
Benjamin Snyder, Tahira Naseem, Jacob Eisenstein, and Regina Barzilay. EMNLP 2008

- EXPERIENCE** *Research Officer* 2004-2006  
National University of Computer and Emerging Sciences, Lahore  
– Worked as team lead for online Urdu dictionary project.  
– Worked as technical lead of the machine translation team.
- Lecturer* 2006-2007  
National University of Computer and Emerging Sciences, Lahore  
Taught undergraduate computer science courses:  
– Introduction to Programming  
– Object Oriented Programming (lab)  
– Assembly Language Programming (lab)
- Teaching Assistant* Fall 2010  
Massachusetts Institute of Technology, Cambridge, MA  
Natural Language Processing
- PROFESSIONAL SERVICE** Served on the review committee for EMNLP 2013, ACL 2013, COLING 2012, ACL 2012, IJCNLP 2011, EMNLP 2011, EMNLP 2010 and ACL 2010. Reviewed for JAIR and IEEE computational intelligence Magazine.