

Siva Reddy

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Education	PhD, Informatics Current University of Edinburgh, UK Supervisors: Mirella Lapata, Mark Steedman
	M.S. by Research, Computer Science, October 2010 – September 2011 University of York, UK
	M.S. by Research, Computer Science, Jul 2009 – Sep 2010 Specialization in Natural Language Processing IIIT Hyderabad, India
	B.Tech with Honours, Computer Science Jul 2005 – Jul 2009 IIIT Hyderabad, India GPA: 8.82 out of 10
Interests	Natural Language Understanding esp. Semantic Parsing, Compositional, Distributional, Lexical and Formal Semantics, Syntactic Parsing, Cross Lingual NLP Applications, Web-scale NLP, Deep Learning, Bayesian Modeling. Passionate about Research, Teaching, and Technology.
Industrial Experience	Software Engineering Research Intern, July 2014 – Nov 2014 Google Research, New York (ldap: sivareddy) http://research.google.com/ Collaborators: Oscar Täckström, Michael Collins, Tom Kwiatkowski, Dipanjan Das, Slav Petrov Activities: Multilingual Semantic Parsing, Dependencies to Logical Forms
	Software/Research Engineer, Oct 2011 – Aug 2012 Lexical Computing Ltd., UK http://sketchengine.co.uk Activities: Web Corpora, Syntactic Parsing, Sense Disambiguation, Cross Language POS taggers.
	Research Assistant, LTRC, IIIT Hyderabad Jul 2008 – Jan 2010 Activities: Software API for Indian Languages, Sense Disambiguation, Network and System Administration
	Google Summer of Code, 2009 Summer 2009 Activities: Open Source Software Development, Extending the coverage of Link Parser using syntactic clustering
Awards/Achievements	Google PhD Fellowship, 2015-current The Principal's Career Development Scholarship, 2012-2014, University of Edinburgh The Edinburgh Global Research Scholarship, 2012-2014, University of Edinburgh Best Poster Runner-up Award, Informatics Jamboree 2014, Edinburgh Best Paper Award, IJCNLP 2011 ACL 2011 DisCo Shared Task: Best performing system in two evaluations Fully Funded Overseas Research Scholarship, University of York ACL 2010 SemEval Domain Specific WSD Shared Task: 2 nd best team

ACL 2010 Student Travel Grant, Sweden.
Dean's Research List, Year 2010, IIIT Hyderabad
Dean's Merit List, Spring 2007, Monsoon 2007 and Spring 2009, IIIT Hyderabad
Prathibha Scholarship (2005-2009), State Government of Andhra Pradesh, India

**Academic
Service**

Reviewer: EMNLP 2015-2016, ACL 2015, NAACL 2015, StarSem 2012-2016
PC Member: ACL 2016 Web as Corpus, ACL 2014 Semantic Parsing
Co-organiser: Machine Learning for NLP Reading Group, Dec 2013 - June 2014.
Idea of Electronic Courier System, IIIT Hyderabad

Collaborators

John Blitzer, Michael Collins, Shay Cohen, Dipanjan Das, Julia Hockenmaier, Adam Kilgarriff, Tom Kwiatkowski, Mirella Lapata, Suresh Manandhar, Diana McCarthy, Rajeev Sangal, Serge Sharoff, Mark Stevenson, Mark Steedman, Oscar Täckström

**Notable
Publications**

Full list: <https://scholar.google.co.uk/citations?user=LZZAAtAAAAAJ>
Total Publications: 20
Citations: 260

Siva Reddy, Oscar Täckström, Michael Collins, Tom Kwiatkowski, Dipanjan Das, Mark Steedman, Mirella Lapata. Transforming Dependency Structures to Logical Forms for Semantic Parsing. In *Transactions of the Association for Computational Linguistics Journal, 2016 (TACL 2016)*.

Kun Xu, **Siva Reddy**, Yansong Feng, Songfang Huang, Dongyan Zhao. Question Answering on Freebase via Relation Extraction and Textual Evidence. In *ACL 2016*

Yonatan Bisk, **Siva Reddy**, John Blitzer and Julia Hockenmaier. Evaluating Induced CCG Parsers on Grounded Semantic Parsing. In *EMNLP 2016*

Bharat Ram Ambati, **Siva Reddy**, Mark Steedman. Assessing Relative Sentence Complexity using an Incremental CCG Parser. In *NAACL 2016*

Shashi Narayan, **Siva Reddy**, Shay B. Cohen. Paraphrase Generation from Latent-Variable PCFGs for Semantic Parsing. In *International Natural Language Generation conference 2016*

Srikanth Ronanki, **Siva Reddy**, Bajibabu Bollepalli, Simon King. DNN-based Speech Synthesis for Indian Languages from ASCII text. In *Speech Synthesis Workshop 2016*

Diana McCarthy, Adam Kilgarriff, Milo Jakubcek, **Siva Reddy**. Semantic Word Sketches. In *Corpus Linguistics 2015*

Siva Reddy, Mirella Lapata, Mark Steedman. Large-scale Semantic Parsing without Question-Answer Pairs. In *Transactions of the Association for Computational Linguistics Journal, 2014 (TACL 2014)*.

Siva Reddy, Ioannis P. Klapaftis, Diana McCarthy, Suresh Manandhar. Dynamic and Static Prototype Vectors for Semantic Composition. In *IJCNLP 2011*

Best Paper Award

Siva Reddy, Diana McCarthy, Suresh Manandhar. An Empirical Study on Compositionality in Compound Nouns. In *IJCNLP 2011*

Adam Kilgarriff, **Siva Reddy**, Jan Pomikálek, Avinesh PVS. A corpus factory for many languages. In *LREC-2010*

Teaching Activities	Teaching Assistant, Natural Language Understanding, University of Edinburgh	2014
	Tutor, Machine Learning and Pattern Recognition, University of Edinburgh	2013
	Tutor, Informatics Research Proposal, University of Edinburgh	2013
	Tutor, Artificial Intelligence, IIIT Hyderabad	2008
	Project Mentor, Natural Language Processing, IIIT Hyderabad	2008
	Project Mentor, Information Technology Course, IIIT Hyderabad	2009

Recent Talks	Towards a Compositional Typed Semantics for Universal Dependencies	
	Stanford University	Aug 26 2016
	Microsoft Research Redmond	Sep 8 2016
	University of Washington	Sep 9 2016
	Semantic Parsing with and without Question-Answer Pairs	
	Allen Institute of Artificial Intelligence	Sep 7 2016
University of Massachusetts Amherst	Sep 16 2016	

Machine Languages Java, Python, C++

Human Languages English, Telugu, Hindi

References	Mirella Lapata	University of Edinburgh	mlap@inf.ed.ac.uk
	Mark Steedman	University of Edinburgh	steedman@inf.ed.ac.uk
	Oscar Täckström	Google Research	oscart@google.com
	Dipanjan Das	Google Research	dipanjand@google.com
	Slav Petrov	Google Research	slav@google.com
	Diana McCarthy	University of Cambridge	diana@dianamccarthy.co.uk