

Tejaswini Deoskar

AFFILIATION Institute for Logic, Language and Computation (ILLC),
University of Amsterdam, The Netherlands.

CONTACT P.O. Box 94242 *Phone: +31 (0)20 525 8251*
INFORMATION 1090 GE Amsterdam *E-mail: t.deoskar@uva.nl*
The Netherlands *Web: <http://staff.science.uva.nl/~deoskar>*

EDUCATION **Ph. D. , Linguistics, 2009.**
Cornell University, Ithaca, New York, USA.

Dissertation Title: Induction of Fine-grained Lexical Parameters of Treebank PCFGs with Inside-outside Estimation and Lexical Transformations.

Minor: Cognitive Science

Dissertation Committee: Dr. Mats Rooth (Chair), Dr. Lillian Lee, Dr. John Whitman.

Master of Arts, Linguistics, 2006.
Cornell University, Ithaca, New York, USA.

Bachelor of Engineering (B.E.), Electronics and Telecommunications, 1996.
Pune University, Pune, India.

RESEARCH *Computational Linguistics:* Statistical parsing, grammar induction from annotated
INTERESTS and unannotated data, richer grammars for robust probabilistic parsing, large-scale lexical acquisition for parsing.

Theoretical Linguistics: Syntax and typology of SOV (Subject-Object-Verb) word order languages, complex predicates, lexical semantics, argument structure.

PUBLICATIONS **Refereed Conference Proceedings**
Deoskar, Tejaswini, Mylonakis, Markos and Sima'an, Khalil. 2010. Unsupervised learning of fine-grained PCFG lexical parameters with a Treebank prior. Submitted to European Conference on Machine Learning (ECML 2010), Barcelona, Spain.
Deoskar, Tejaswini, Rooth, Mats and Sima'an, Khalil. 2009. Smoothing fine-grained PCFG lexicons. Proceedings of the 11th International Conference on Parsing Technologies (IWPT 2009), Paris, France.
Deoskar, Tejaswini. 2008. Re-estimation of Lexical Parameters for Treebank PCFGs. Proceedings of the 22nd International Conference on Computational Linguistics (COLING 2008), Manchester, UK.

Deoskar, Tejaswini and Rooth, Mats. 2008. Induction of Treebank-Aligned Lexical Resources. Proceedings of the Sixth International Conference on Language Resources and Evaluation (LREC 2008), Marrakech, Morocco.

Journal Article

Deoskar, Tejaswini. 2006. Marathi Light Verbs. Proceedings from the Annual Meeting of the Chicago Linguistics Society. Volume 42, Number 2. Pages 183-198.

SELECTED TALKS Identifying fine-grained lexical categories: Supertaggers versus Parsers. Invited Talk at Microsoft Research, Bangalore, India. August 2009.

Semi-supervised Induction of Sophisticated Probabilistic Lexicons. Department of Linguistics, Brandeis University, Waltham, Massachusetts. April 2008.

Deoskar, Tejaswini. EM-based Clustering of Local Syntactic Contexts of Words. Seminar in Natural Language Understanding, Cornell University. Sept. 2007

Verb-Verb Constructions in Marathi. Invited talk, Workshop on SOV (Subject-Object-Verb) Variation, Syracuse University, Syracuse, New York. April 2004.

TEACHING **Lecturer (Docent), University of Amsterdam.**

Responsible for all aspects of course.

Statistical Structure in Language Processing

Master of Artificial Intelligence, Master of Logic.

Semester-II, 2009 – 2010

Elements of Language Processing and Learning

Master of Artificial Intelligence (required course), Master of Logic.

Semester-I, 2009 – 2010

Speech and Language Processing

Master of Artificial Intelligence, Master of Logic.

Semester-I, 2008 – 2009 (taught half of the course, Oct. to Dec., 2008)

Taalmodellen (Models of Language)

Bachelor of Artificial Intelligence (half-semester course)

Semester-II, 2009 – 2010.

Natuurlijke Taalverwerking (Natural Language Processing)

Bachelor of Informatics (half-semester course)

Semester-II, 2009 – 2010 and Semester-I, 2008 – 2009

Instructor, Cornell University.

Responsible for all aspects of course.

Biological Foundations of Language, Freshman Writing Seminar.

Fall 2005 and Spring 2005

Teaching Assistant, Cornell University.

Responsible for grading, holding weekly sections and office-hours.

Introduction to Semantics and Pragmatics
Fall 2008 and Spring 2006

Introduction to Syntax
Fall 2004

Intermediate Hindi
Spring 2004

Basic Hindi
Fall 2003

PROFESSIONAL
ACTIVITIES

Organizer, Workshop on Domain Adaptation for Natural Language Processing (DANLP), Association for Computational Linguistics (ACL), Uppsala, Sweden. July, 2010.

Reviewer for ACL (Association for Computational Linguistics), 2010, IWPT (International Workshop on Parsing Technologies), 2009.

Organizer, Speaker Committee, Cornell Linguistics Circle, 2004, 2003.

Treasurer, Cornell Linguistics Circle, 2004.

SUMMARY OF
EMPLOYMENT

Academic

Post-doctoral researcher (0.5 FTE) and *Docent* (lecturer) (0.5 FTE), University of Amsterdam, Oct. 2008 to present.

Non-academic

Software Developer, IPSeal, Westminster, Colorado, USA, Dec. 2000 – Oct. 2001.

Consultant, Cyberquest Systems, Pune, India, July 2000 – Sept. 2000.

Scientific Staff, Instrumentation Laboratory, Inter-University Center for Astronomy and Astrophysics (IUCAA), Pune, India, Aug. 1997 – Jun. 2000.

Engineer, Pertech Computers Limited, Bangalore, India, Aug. 1996 – May 1997.

COMPUTER SKILLS

Computer Languages: Java, C, Perl, Unix shell scripting, XML, various assembly-level languages.

NLP Related Applications: Various statistical parsers (Charniak's and Collins' Parser, Bitpar, Lopar, etc.), part-of-speech taggers (Treetagger, TnT tagger, etc.), treebanks (Penn Treebank, Propbank, etc.), lexical databases (Framenet, Wordnet, etc.), treebank search tools like tgrep, etc.

Operating Systems: Unix/Linux, Windows - installation, administration, application development.

HONORS AND
FELLOWSHIPS

Cognitive Science Summer Fellowship, Summer 2007, Cornell University.

Cognitive Science Fellowship, Spring 2007, Cornell University.

Sage Fellowship, 2002 (Fall and Spring), Fall 2006 and Fall 2007, Cornell University.

12th rank in State Honors List in Higher Secondary Exam, 1992, Maharashtra State, India.

PERSONAL
INFORMATION

Nationality: Indian

Date of Birth: 17th November 1974

Sex: Female

LANGUAGES

Fluent in English, Hindi and Marathi.