# Umesh Patil

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https://u-p.github.io/

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## RESEARCH INTERESTS

Interaction of language and memory, pronoun resolution, cognitive modeling

## EDUCATION

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| 2006 – 2012 | Ph.D. (*magna cum laude*) in Cognitive Science, University of Potsdam |
| 1999 – 2001 | M. Sc. in Computer Science, University of Mumbai |
| 1996 – 1999 | B. Sc. in Mathematics, University of Mumbai |

## TRAINING

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| Summer 2018 | Machine Learning for Language Processing, University of Cologne |
| Summer 2017 | Bayesian Modeling for Cognitive Science, University of Amsterdam |
| Spring 2016 | Spring School on Cognitive Modeling, University of Groningen |

## POSITIONS

**November 2017 – Now**
Researcher at the Institute of German Language and Literature I, University of Cologne, Germany

**July 2017 – September 2017**
Data scientist (intern), Mapegy, Berlin, Germany

**April 2014 – March 2017**
Researcher in the Computational Linguistics Group, Institute of Cognitive Science, Osnabrück University, Germany

**December 2005 – September 2013**
Researcher in the Department of Linguistics, University of Potsdam, Germany

**July 2003 – November 2005**
Research Engineer in the Department of Computer Science & Engineering, IIT Bombay, India

**June 2002 – March 2003**
Visiting Lecturer for the M.Sc. in Computer Science in the Department of Computer Science, University of Mumbai, India

**June 2001 – March 2002**
Visiting Lecturer for the B.Sc. in Computer Science in Mithibai College, University of Mumbai, India

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# PUBLICATIONS

## Papers

Umesh Patil, Peter Bosch, and Stefan Hinterwimmer. (*in preparation*). Formality scale as a constraint on German *dieser* and *der* demonstratives.

Umesh Patil, Shravan Vasishth, and Richard L. Lewis. 2016. Retrieval interference in syntactic processing: The case of reflexive binding in English. *Frontiers in Psychology*. 7:329.

Umesh Patil, Sandra Hanne, Frank Burchert, Ria De Bleser, and Shravan Vasishth. 2016. A computational evaluation of representational and processing accounts of aphasia. *Cognitive Science*. 40(1): 5–50.

Umesh Patil, Shravan Vasishth and Reinhold Kliegl. 2009. Compound effect of probabilistic disambiguation and memory retrievals on sentence processing: Evidence from an eye-tracking corpus. *Proceedings of the 9$^{th}$ International Conference on Cognitive Modeling*, Manchester, UK.

Marisa Ferrara Boston, John Hale, Reinhold Kliegl, Umesh Patil and Shravan Vasishth. 2008. Parsing costs as predictors of reading difficulty: An evaluation using the Potsdam Sentence Corpus. *Journal of Eye Movement Research* 2(1): 1–12.

Umesh Patil, Gerrit Kentner, Anja Gollrad, Frank Kügler, Caroline Fery and Shravan Vasishth. 2008. Focus, word order and intonation in Hindi. *Journal of South Asian Linguistics* 1(1): 55–72.

## Peer-reviewed conference presentations and posters

Umesh Patil and Stefan Hinterwimmer. 2018. Can German demonstrative pronouns really be bound? Poster presentation at the 24$^{st}$ Annual Conference on AMLaP, Berlin, Germany.

Stefan Hinterwimmer and Umesh Patil. 2018. German demonstratives are sensitive to perspective-taking. Poster presentation at the 24$^{st}$ Annual Conference on AMLaP, Berlin, Germany.

Sara Meuser, Umesh Patil, and Stefan Hinterwimmer. 2018. Online response to perspective taking in narratives. Poster presentation at the 24$^{st}$ Annual Conference on AMLaP, Berlin, Germany.

Umesh Patil, Peter Bosch, and Stefan Hinterwimmer. 2017. Do German demonstrative pronouns avoid perspectival centers? Poster presentation at the 30$^{th}$ Annual Meeting of the CUNY Conference on Human Sentence Processing, Cambridge, MA, USA.

Umesh Patil, Peter Bosch, and Lea Penning. 2015. Intra-sentential referential behaviour of German demonstratives. Poster presentation at the 21$^{st}$ Annual Conference on AMLaP, Malta.

Umesh Patil, Sandra Hanne, Shravan Vasishth, Frank Burchert, and Ria De Bleser. 2013. Evaluating the Trace Deletion Hypothesis and processing deficit accounts: a computational modeling approach. Oral presentation at the 51$^{st}$ Annual Meeting of the Academy of Aphasia, Lucerne, Switzerland.

Umesh Patil, Sandra Hanne, Shravan Vasishth, and Frank Burchert. 2013. Modeling individual differences in processing deficits in aphasia. Poster presentation at the 26$^{th}$ Annual Meeting of the CUNY Conference on Human Sentence Processing, Columbia, SC, USA.

Umesh Patil, Shravan Vasishth, and Richard Lewis. 2012. Early effect of retrieval interference on reflexive binding. Oral presentation at the workshop 'The timing of grammar: experimental and theoretical considerations' at the 35$^{th}$ GLOW Colloquium, Potsdam, Germany.

Umesh Patil, Sandra Hanne, Shravan Vasishth, Frank Burchert, and Ria De Bleser. 2011. Modeling offline and online (eye movements) sentence comprehension in aphasia using the cue-based retrieval architecture. Oral presentation at the 49th Annual Meeting of the Academy of Aphasia, Montréal, Canada.

Umesh Patil, Shravan Vasishth, and Richard Lewis. 2011. Are grammatical constraints immune to retrieval interference? Oral presentation at the 10th International Symposium of Psycholinguistics, Donostia - San Sebastián, Spain.

Umesh Patil, Shravan Vasishth, and Richard Lewis. 2011. Early retrieval interference in syntax-guided antecedent search. Oral presentation at the 24th Annual Meeting of the CUNY Conference on Human Sentence Processing, Stanford, USA.

Umesh Patil, Sandra Hanne, Shravan Vasishth, Frank Burchert, and Ria De Bleser. 2011. Modeling aphasic sentence comprehension in a cue-based retrieval architecture. Poster presentation at the 24th Annual Meeting of the CUNY Conference on Human Sentence Processing, Stanford, USA.

Umesh Patil, Marisa Ferrara Boston, John T. Hale, Shravan Vasishth, and Reinhold Kliegl. 2009. The interaction of surprisal and working memory cost during reading. Poster presentation at the 22nd Annual Meeting of the CUNY Conference on Human Sentence Processing, UC Davis, USA.

Umesh Patil, Shravan Vasishth, Brian Bartek, and Richard Lewis. 2008. The Interplay of Locality and Surprisal. Poster presentation at the 21st Annual Meeting of the CUNY Conference on Human Sentence Processing, UNC, Chapel Hill, USA.

Shravan Vasishth, Marisa F. Boston, Umesh Patil, John Hale, and Reinhold Kliegl. 2007. Integrating Sentence Processing Theory with Eye-movement control models. Poster presentation at the 13th Annual Conference on AMLaP, Turku, Finland.

## TEACHING

1. Introduction to analysis of linguistic data with R        (winter 2016–17, 2014–15)

2. Cognitive modeling in linguistics        (summer 2016)

3. Linguistic theory and cognition (co-taught)        (summer 2016, 2015)

4. Pronouns (co-taught)        (winter 2015–16)

## SKILLS

**Languages**: Marathi (native), Hindi (native), English (fluent), German (B1–B2)

**Programming**: R, Python, MATLAB, Java, C, C++, Perl, AWK, Bash, SQL

**Operating systems**: OS X, Unix/Linux, Windows

**Software**: ACT-R, Praat, Presentation

## ACADEMIC SERVICE

**Member of the editorial board:** *Journal of South Asian Linguistics*

**Ad hoc reviewer:** *Glossa, Applied Psycholinguistics*

## PERSONAL DETAILS

**Date and place of birth**: 5th November 1978, Maharashtra, India

**Nationality**: Indian; permanent resident of Germany