

# Curriculum Vitae Lisette Mol

## Personal Information

Name	Elisabeth Margaretha Maria (Lisette) Mol
Nationality	Dutch
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## Professional Objective

My long-term objective is to make a significant contribution to the field of cognitive science and to integrate knowledge from this field and related fields such as linguistics, psychology and philosophy. My main research interest is advanced cognition such as theory of mind use and reflection. In addition, I am interested in verbal and non-verbal language use, especially audience design and gesturing.

## Education

From November 2005	PhD student at Tilburg University, The Netherlands.
October 2009	MGA Workshop <i>Methods of Gesture Analysis</i> by Cornelia Müller and Irene Mittelberg, RWTH Aachen University, Germany.
January 2008	LOT winterschool course <i>Language in our hands: From gesture to sign language</i> by Asli Özyürek, Tilburg University, The Netherlands
July 2007	Linguistic Society of America Summer School at Stanford University, USA. Main Courses: <i>Language and Body: The Material Side of Language</i> by Herbert. H. Clark & Daniel Casasanto (completed, A), <i>Using Free-view Eye-tracking to Study Spoken Language</i> by Michael Tanenhaus & John Trueswell (completed, A), <i>Introduction to Simulation as a Tool for the Study of Language</i> by Andy Wedel (completed, A), <i>Experimental Phonology</i> by Keith Johnson & John Ohala (audited).
July 2004	ACT-R Summer School by John Anderson, Dan Bothell and Niels Taatgen, Carnegie Mellon University, Pittsburgh, USA.
December 2004	Master in Artificial Intelligence (with honors), University of Groningen, The Netherlands. Specializations: Language and Speech Processing; Knowledge Engineering.
June 27th 2002	Degree Certificate (first-year certificate) in Physics and Astronomy, University of Groningen, The Netherlands
July 11th 2000	Certificate Athenaeum, Joke Smit College, Amsterdam, The Netherlands

## Research Projects

From November 2005	
Organization	Communication and Cognition group, Faculty of Humanities, Tilburg University, The Netherlands
Position	PhD candidate, Junior Researcher
Content	My PhD research is on audience design and gesturing. I am interested in the different functions of gesturing and their relation to cognitive processes. I study how gesturing is affected by factors such as a speaker's

Supervisors	mental image of the addressee, the difficulty of a task, and low level priming (alignment). Prof. Dr. Alfons Maes, Prof. Dr. Marc Swerts, Prof. Dr. Emiel Krahmer
February – September 2005	
Organization	John Anderson's lab, Psychology Department, Carnegie Mellon University (CMU), Pittsburgh, USA
Position	Research programmer and learning member of the ACT-R research team
Content	My research was on structural individual differences in multi-tasking, strategy development, and learning from instruction. I developed experiments, analyzed the data, wrote models in ACT-R and environments in Common Lisp, presented my work at conferences, and took part in the weekly meetings of the research group.
May – December 2004	
Organization	University of Groningen, The Netherlands
Position	Master student (final project)
Content	I studied how theory of mind use affects the interpretation and production of scalar terms, and to what extent people acquire and use complex skills and strategies in the domains <i>reasoning about others</i> and <i>interpretation</i> .
2003	
Organization	Sound Intelligence (a Dutch company)
Position	Trainee, short project
Content	I studied the effect of monaural differences in phase on perception. I conducted an experiment on the perception of phase, implemented resynthesis of speech in Matlab, and presented the results in a report and an oral presentation.

### Journal Publications

- Lisette Mol, Emiel Krahmer, Alfons Maes, and Marc Swerts (2009). The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions. *Gesture*, 9(1), 97-126.
- Rineke Verbrugge and Lisette Mol (2007). Learning to apply Theory of Mind. *Journal of Logic, Language and Information*, 17(4), 489-511.

### Other Publications

- Lisette Mol, Emiel Krahmer, and Marc Swerts (2009). Alignment in iconic gestures: Does it make sense? In: *Proceedings of the eighth international Conference on Auditory-Visual Speech Processing*, Norwich, United Kingdom.
- Lisette Mol, Emiel Krahmer, Alfons Maes, and Marc Swerts (2009). Communicative gestures and memory load. In: N. A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 1569 - 1574), Austin, TX: Cognitive Science Society.
- Lisette Mol, Emiel Krahmer, Alfons Maes, and Marc Swerts (2008). Gesticulation and audience design. In: *Proceedings of the third international conference on cognitive science*, Moscow.
- Lisette Mol, Emiel Krahmer, Alfons Maes, and Marc Swerts (2007). The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions. In: *Proceedings of the sixth international Conference on Auditory-Visual Speech Processing*, Hilvarenbeek, The Netherlands.
- Lisette Mol, Niels Taatgen, and John Anderson (2005). Individual Differences in Multi-Tasking. In: *Proceedings of the 12<sup>th</sup> Annual ACT-R Workshop*, Trieste, Italy.
- Lisette Mol, Niels Taatgen, Rineke Verbrugge, and Petra Hendriks (2005). Reflective Cognition as a Secondary Task. In: *Proceedings of the 27<sup>th</sup> Annual Meeting of the Cognitive Science Society*, Stresa, Italy.
- Lisette Mol, Rineke Verbrugge, and Petra Hendriks (2005). Learning to reason about other people's minds. In: *Proceedings of the Joint Symposium on Virtual Social Agents, SSAISB 2005 Convention*, AISB The Society for the Study of Artificial Intelligence and the Simulation of Behavior, University of Hertfordshire, Hatfield, United Kingdom.
- Lisette Mol (2004). Learning to reason about other people's minds. Master's Thesis, University of Groningen, The Netherlands.

## Talks

- Does mimicry of co-speech gestures result from alignment in mental representations? (September 2009) Guest colloquium at the Gesture Focus Group of Susan E. Brennan's lab, Stony Brook University, NY, USA.
- Alignment in iconic gestures: Does it make sense? (September 2009) At the eighth international Conference on Auditory-Visual Speech Processing, Norwich, United Kingdom.
- Audience Design en Handgebaren (December 2008). At the Viot conference, Amsterdam, The Netherlands.
- Cognitive Effort and Gesturing (October 2008). At the workshop on Speech and Face-to-Face Communication dedicated to the memory of Christian Benoit, Grenoble, France.
- Look who's being talked to (August 2008). At the Language, Communication, and Cognition conference (LCC), Brighton, United Kingdom.
- Audience Design and Gesticulation (June 2008). At the Third International Conference on Cognitive Science (CogSci), Moscow, Russia.
- The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions (September 2007). At the international conference on Auditory-Visual Speech Processing (AVSP), Hilvarenbeek, The Netherlands.
- The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions (June 2007). Spoken paper at 'Integrating Gestures': the third international conference of the International Society for Gesture Studies (ISGS), Evanston, Illinois, USA.
- Reflective Cognition as a Secondary Task (June 2006). Invited talk at the Belgium Netherlands Artificial Intelligence Symposium (BNAIS), Radboud University Nijmegen, The Netherlands.
- Individual Differences in Multi-Tasking (July 2005). At the annual ACT-R Workshop, Trieste, Italy.
- Learning to reason about other people's minds (April 2005). At the Joint Symposium on Virtual Social Agents, AISB Convention, Hatfield, United Kingdom.

## Poster Presentations

- Communicative gestures and memory load (July 2009). At the 31<sup>th</sup> Annual Meeting of the Cognitive Science Society, Amsterdam, The Netherlands.
- Reflective Cognition as a Secondary Task (July 2005). At the 27<sup>th</sup> Annual Meeting of the Cognitive Science Society, Stresa, Italy.

## Teaching

2004

Organization

University of Groningen, The Netherlands

Position

Lab Assistant for the course 'Architectures of Intelligence' by Niels Taatgen

Duties

I taught students how to write models of human cognition in ACT-R, and graded assignments.

2007 - present

Organization

Tilburg University, The Netherlands

Position

Doctoral Candidate

Duties

Together with Alfons Maes, I teach the Research Master course 'Communication Theory'. I give lectures on gesture and language and cognition, lead discussions on scientific articles and explain relevant theories and studies.

With Marie Nilsenova, I teach the Master course 'Nonverbal Communication'.

I have advised two students for their Master thesis projects. One project was an experimental study on gesture in mediated communication. The other a text analysis of spoken narrations. In addition, I introduce many students in our lab to gesture analysis.

## Fellowships

- 2008 Travel grant from the 'Association Francophone de la Communication Parléé' (AFCP) for the Speech and Face to Face Communication workshop dedicated to the memory of Christian Benoît, 190 euro.
- 2008 Travel grant from the organization of the Third International Conference on Cognitive Science, Moscow 2008, 200 euro.
- 2007 Fellowship from the Linguistic Society of America (LSA) to cover the tuition for the 2007 Summer School at Stanford University, 1300 dollar.

## Selected Other Activities

- I have reviewed for CogSci 2009 and the journal 'Language and Speech'.
- I have programmed in several languages such as Common Lisp, Pascal, Prolog, Kylix, Delphi, Matlab, C, Perl, Java, and Logic
- I am a member of my department's PhD board
- I have organized research talks for my department at Tilburg University
- I have represented the PhD students in the Dutch national research school of linguistics (LOT)
- I have been a student volunteer at BNAIC '04: Belgium-Netherlands Conference on Artificial Intelligence, where I guided the public and gave technical support to speakers
- I have organized monthly social gatherings and museum visits for expats in The Netherlands for about one year
- I have been secretary and chair woman of a students drama club and treasurer of the integration committee of a students' association

## References

### *Advisor PhD project*

Prof. Dr. Marc Swerts

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### *Advisor PhD project*

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### *Advisor PhD project*

Prof. Dr. Alfons Maes

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Further references will be provided upon request.