

# Curriculum Vitae Lisette Mol

## Personal details

Name	Elisabeth Margaretha Maria (Lisette) Mol
Work Address	Room D417, P.O. Box 90153 NL-5000 LE Tilburg, The Netherlands
Email, Phone	L.Mol@uvt.nl , +31 13 466 8192
Website	www.uvt.nl/people/lisette

## Education

November 2011 Ph.D. Tilburg University (*cum laude*). Thesis: Language in the hands. Promotors: Alfons Maes, Emiel Krahmer, Marc Swerts.

December 2004 Master of Science in Artificial Intelligence (*cum laude*), University of Groningen. Specializations: Language and Speech Technology; Knowledge Engineering.

June 2002 Degree Certificate (first-year certificate) in Physics and Astronomy, University of Groningen.

## Research and teaching positions

As of June 2011

*Assistant Professor*  
Tilburg center for Cognition and Communication,  
Tilburg University

I study the cognitive underpinnings of hand gesture production. I teach courses on nonverbal communication and research methods.

November 2005 – June 2011

*Doctoral Candidate, Junior Researcher*  
Communication and Cognition group,  
Tilburg University

To reveal more about the cognitive processes involved in hand gesture production, I studied how gesturing is affected by such factors as a speaker's mental image of the addressee, computer mediation, the difficulty of a task, the perception of gestures (adaptation), and speech impairment resulting from brain damage (aphasia).

Supervisors: Alfons Maes, Emiel Krahmer,  
Marc Swerts

February – September 2005

*Research programmer and learning member of the  
ACT-R research team*  
John Anderson's lab, Psychology Department,  
Carnegie Mellon University, Pittsburgh, PA

I conducted research on strategy development in multi-tasking, with a focus on individual differences. I combined cognitive modeling (in ACT-R and Common Lisp) with experimental research.

May – December 2004

*Master student (final project)*  
University of Groningen

I studied how theory of mind use affects the interpretation and production of scalar terms.

2003

*Trainee, short project*  
Sound Intelligence (a Dutch company)

I studied the effect of monaural differences in phase on perception and I implemented resynthesis of speech.

## Journal publications

Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2012). Adaptation in gesture: Converging hands or converging minds? *Journal of Memory and Language* 66(1), 249-264.

Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2011). Seeing and Being Seen: The effects on gesture production. *Journal of Computer-Mediated Communication* 17(1), 77-100.

Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2009). The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions. *Gesture*, 9(1), 97-126.

Verbrugge, R., & Mol, L. (2008). Learning to apply Theory of Mind. *Journal of Logic, Language and Information*, 17(4), 489-511.

## **Papers under review**

Mol, L., Krahmer, E., & Van de Sandt-Koenderman, W. M. E. (Submitted). Gesturing by aphasic speakers, how does it compare?

## **Papers in conference proceedings (peer reviewed)**

- Mol, L., Krahmer, E., & Van de Sandt-Koenderman, W. M. E. (2011). Gesturing by aphasic speakers, how does it compare? In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33<sup>rd</sup> Annual Conference of the Cognitive Science Society* (pp. 1454-1459). Austin, TX: Cognitive Science Society.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2010). Converging Hands or Converging Minds? In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 115-120). Austin, Tx: Cognitive Science Society.
- Mol, L., Krahmer, E. (2010). Handling what the other sees: The effects of seeing and being seen on gesture production. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32<sup>nd</sup> Annual Conference of the Cognitive Science Society* (pp. 115-120). Austin, Tx: Cognitive Science Society.
- Mol, L., Krahmer, E., & Swerts, M. (2009). Alignment in iconic gestures: Does it make sense? In B-J. Theobald & R. Harvey (Eds.), *Proceedings of the 8th International Conference on Auditory-Visual Speech Processing (AVSP 2009)* (pp. 3-8). Norwich, UK: School of Computing Sciences.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2009). Communicative gestures and memory load. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 1569-1574). Austin, TX: Cognitive Science Society.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2008). Gesticulation and audience design. In *Proceedings of the 3<sup>rd</sup> international conference on cognitive science* (110-111). Moscow: Art and Publishing Center.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2007). The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions. In J. Vroomen, E. J. Krahmer, & M. Swerts (Eds.), *Proceedings of the 6th International Conference on Auditory-Visual Speech Processing (AVSP 2007)* (pp. 200-205). Tilburg: Tilburg University.
- Mol, L., Taatgen, N., Verbrugge, R., & Hendriks, P. (2005). Reflective Cognition as a Secondary Task. In: B.G. Bara, L. Barsalou, and M. Bucciarelli (Eds), *Proceedings of the 27th Annual Meeting of the Cognitive Science Society* (pp. 1525-1530). Mahwah, NJ: Erlbaum.
- Mol, L., Verbrugge, R., & Hendriks, P. (2005). Learning to reason about other people's minds. In *Proceedings of the Joint Symposium on Virtual Social Agents, SSAISB 2005* (pp. 191-198). Hatfield, UK: The Society for the Study of Artificial Intelligence and the Simulation of Behaviour.

## **Abstracts of spoken papers (peer reviewed)**

- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2010). Converging Hands or Converging Minds? Presented at: 'Gestures, evolution, brain, and linguistic structures': the 4<sup>th</sup> international conference of the International Society for Gesture Studies (ISGS), Frankfurt (Oder), Germany.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2008). Audience Design en Handgebaren. Presented at: VIOT, Amsterdam, The Netherlands.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2008). Cognitive Effort and Gesturing. Presented at: The Workshop on Speech and Face-to-Face Communication dedicated to the memory of Christian Benoit, Grenoble, France.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2008). Look who's being talked to. Presented at: Language, Communication, and Cognition (LCC), Brighton, United Kingdom.
- Mol, L., Krahmer, E., Maes, A., & Swerts, M. (2007). The communicative import of gestures: Evidence from a comparative analysis of human-human and human-machine interactions. Presented at: 'Integrating Gestures': the 3<sup>rd</sup> international conference of the International Society for Gesture Studies (ISGS), Evanston, IL, USA.
- Mol, L., Taatgen, N., & Anderson, J. (2005). Individual Differences in Multi-Tasking. Presented at: The 12<sup>th</sup> Annual ACT-R Workshop, Trieste, Italy.

## **Invited talks**

- Converging Hands or Converging Minds? (2011). Max Planck Institute for Psycholinguistics, Nijmegen.
- Converging Hands or Converging Minds? (2011). Special Focus Group 'Alignment in Communication', Bielefeld University.
- The communicative import of gestures: Evidence from production experiments. (2010). Invited speaker at 'Donders Discussions', a PhD conference in neuroscience at the Donders Institute, Nijmegen.
- Does 'mimicry' of hand gestures result from alignment of representations? (2010). Research Colloquium at Deutsche Telekom Laboratories, Technische Universität Berlin.
- Does mimicry of co-speech gestures result from alignment in mental representations? (2009). Guest speaker at Sotaro Kita's lab at the University of Birmingham.

Does mimicry of co-speech gestures result from alignment in mental representations? (2009). Guest colloquium at the Gesture Focus Group of Susan E. Brennan's lab, Stony Brook University, NY.

Reflective Cognition as a Secondary Task (2006). Invited talk at the Belgium Netherlands Artificial Intelligence Symposium (BNAIS), Radboud University Nijmegen.

## Teaching

2004

*Lab Assistant*  
University of Groningen

For the course 'Architectures of Intelligence' by Niels Taatgen. I taught students how to write models of human cognition in ACT-R and graded assignments.

2007 – June 2011

*Doctoral Candidate*  
Tilburg University

Courses:

Together with Alfons Maes, I taught the research master course *Communication Theory* for two years.

With Marie Nilsenova, I taught the master course *Nonverbal Communication* in 2010. We used a research-based approach, in which students worked together on small structured projects.

Supervision:

I advised two students for their master thesis projects. In addition, I introduced many students in our lab to gesture analysis.

Guest Lectures:

I gave several guest lectures for the master course *Nonverbal Communication*.

From June 2011

*Assistant Professor*  
Tilburg University

I co-teach the courses: *Methodology* (bachelor), *Research Lab* (bachelor) *Research Skills Module: Laboratory Research* (master), and *Nonverbal Communication* (master). Together with Emiel Krahmer and Mieke van de Sandt, I supervise Karin van Nispen in her PhD project. In addition, I supervise many bachelor and master thesis projects.

## External 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 Benoit, 190 Euro.

2008 Travel grant from the organization of the Third International Conference on Cognitive Science, Moscow, 200 Euro.

2007 Fellowship from the Linguistic Society of America (LSA) to cover the tuition for the 2007 Summer School at Stanford University, 1300 US Dollar.

## Selected other activities

I have computer-programming experience in several languages.

I reviewed for CogSci 2009, 2010 and the journals: *International Journal of Social Robotics; Journal of Speech, Language, and Hearing Research; Language and Speech; Transactions on Audio, Speech and Language Processing*.

I have represented the PhD students in the Dutch national research school of linguistics (LOT) and my faculty's PhD board.

I have organized monthly social gatherings and museum visits for expats in The Netherlands for about one year.