

# CURRICULUM VITAE

:: December 2009 ::

Name: Emiel Krahmer  
Date and place of birth: September 26, 1968, The Hague  
Marital status: Married, three children  
Sex: Male  
Nationality: Dutch  
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## 1. Education and work experience

### 1.1 Master's ('Doctoraal')

University/College of Higher Education: Tilburg University  
Date: March 28, 1991  
Main subject: Computational Linguistics (*cum laude*)

### 1.2 Doctorate

University/College of Higher Education: Tilburg University  
Date: November 23, 1995  
Supervisor ('Promotor'): prof. dr. H.C. Bunt and dr. R. Muskens  
Title of thesis: Discourse and Presupposition

### 1.3 Positions since graduating

- Full professor, Department Communication and Information Sciences, Faculty of Humanities, Tilburg University, The Netherlands, January 2007 - present.
- Associate professor, Communication & Cognition section, Faculty of Arts, Tilburg University, The Netherlands, March 2006 - December 2006.
- Assistant professor, Communication & Cognition section, Faculty of Arts, Tilburg University, The Netherlands, September 2001 - February 2006.
- Visiting professor, Stan Ackermans Institute, User-System Interaction, Eindhoven University of Technology (TU/e), The Netherlands, 2001 - present.
- Visiting fellow, Information Technology Research Institute (ITRI), University of Brighton, U.K., for TUNA project, 2003 - 2006.
- Assistant professor, Institute for Perception Research (IPO), Eindhoven University of Technology (TU/e), The Netherlands, July 1999 - August 2001.
- Senior Researcher, Institute for Perception Research (IPO), Eindhoven University of Technology (TU/e), The Netherlands, working for EU project VODIS (Voice-Operated Driver Information Systems), "Language Engineering" sector, "Telematics Applications of Common Interest" programme of the European Committee (LE 2277), March 1996 - June 1999.

## **2. Teaching Experience**

### **2.1. Recently taught courses**

Bachelor (UvT)

1. Cognitive Science (2006 - now)
2. Natural Language Processing (2004 - 2006)
3. User Interface Design (2001 - 2008)
4. Research Practicum (2001 - 2005)
5. Pragmatics (2001)
6. Natural Language Processing (2001)

Master (UvT)

1. Information Technology (2003 - 2006)

Research Master (UvT)

1. Prosody and Intonation (2006 - 2008)
2. Master Thesis Seminar (2007)

Postgraduate courses

1. Observation Studies and Non-verbal Communication (USI, 2004 - now)
2. Social User Interface Design (USI, 2000 - now)
3. Information Structure (IPO, 2001)
4. Building Spoken Dialogue System (IPO, 2000)

### **2.2 Tutorials**

1. Functions of Audiovisual Prosody (2006, with Marc Swerts), LOT Summerschool, Amsterdam, The Netherlands.
2. Natural Language Generation for Embodied Agents (2005, with Paul Piwek), European Summerschool of the Agents Association (EASSS 2005), University of Utrecht, The Netherlands.
3. Varieties of Anaphora (2000, with Paul Piwek), European Summerschool of Logic, Language and Information (ESLLI MM), University of Birmingham, UK.

### **2.3 Other teaching activities**

1. Supervision of approximately 8-10 MA theses per year, plus occasional BA theses or research trainings (2001 - now).
2. Coordination of the Master Thesis programme BDM (2001 - 2005).
3. Director of the Tilburg-Nijmegen Research Master Language and Communication: The Empirical Study of Language (2005-2007)

### **3. Research Activities**

#### **3.1 Organization**

1. Workshop on the Production of Referring Expressions: Bridging the gap between computational and empirical approaches to reference (PRE-CogSci 2009), Amsterdam, 29 July 2009, co-organized with Kees van Deemter, Albert Gatt and Roger van Gompel, see <http://pre2009.uvt.nl/>.
2. 12<sup>th</sup> European Workshop on Natural Language Generation (ENLG 2009), Athens Greece, March 30-31, 2009, co-organized with Mariët Theune, see <http://enlg2009.uvt.nl/>.
3. Tutorial Chair for 12<sup>th</sup> Conference of the European Chapter of the Association for Computational Linguistics (EACL), Greece, 2009.
4. Special issue of *Language and Speech* (vol. 52, no. 2-3) on audiovisual speech production (planned for 2009), co-edited with Marc Swerts.
5. Workshop on *Multimodal Output Generation* (MOG 2007), ACL SIGGEN endorsed, at University of Aberdeen, UK, together with Ielka van der Sluis, Mariët Theune and Ehud Reiter, see <http://www.csd.abdn.ac.uk/mog2007/>.
6. International Conference on *Auditory-Visual Speech Processing* (AVSP 2007), ISCA endorsed, at Kasteel Groenendael, The Netherlands, together with Antonie Bors, Marc Swerts and Jean Vroomen, see <http://foap.uvt.nl/avsp2007/>.
7. Special session on *Visual Intonation* at International Conference on Spoken Language Processing (Interspeech 2006, Pittsburgh), together with Marc Swerts.
8. Special session on *Machine Learning of Dialogue* at Annual meeting of the Association of Computational Linguistics (ACL 2001, Hong Kong), together with Antal van den Bosch and Maria Wolters.
9. Workshop on *Embodied Conversational Agents* (2001) at Centre for Mathematics and Computer Science (CWI, Amsterdam), together with Zsafia Ruttkay.

#### **3.2 Editorial board member**

1. *Computational Linguistics* (2003-2005)
2. *Semantics and Pragmatics* (2007 – now)
3. *Speech Communication* (Associate Editor, 2009 – now)
4. *Topics in Cognitive Sciences* (Associate Editor, 2010 – now)

#### **3.3. Project Advisor / Committee member**

1. EPSRC Platform Grant Project "Affecting people with natural language" (University of Aberdeen, UK).
2. NWO "middelgroot" Humanities committee member (2008 – now).

#### **3.4 Ad hoc reviewer (journals)**

1. *Artificial Intelligence*

2. *Computational Linguistics*
3. *Computer Speech and Language*
4. *Discourse Processes*
5. *Journal of Artificial Intelligence Research*
6. *Journal of Autonomous Agents and Multi-agent Systems*
7. *Journal of Document Analysis and Recognition*
8. *Journal of Human-Computer Studies*
9. *Journal of Logic, Language and Information*
10. *Journal of Research on Language and Computation*
11. *Journal of Semantics*
12. *Journal of Social Robotics*
13. *Language and Speech*
14. *Language Resources and Evaluation*
15. *Psychonomic Bulletin & Review*
16. *Semantics and Pragmatics*
17. *Speech Communication*

### **3.5 Reviewer (misc.)**

1. *Annual Meeting of the Association for Computational Linguistics (ACL, 2000, 2004-2010, EACL 2006, NAACL 2009).*
2. *Interspeech (2006, Pittsburgh; 2007, Antwerp; 2008, Brisbane).*
3. *Sixteenth International Congress of Phonetic Sciences (ICPhS 2007, Saarbrücken).*
4. *International Joint Conference on Artificial Intelligence (IJCAI 2003, Acapulco, Mexico).*
5. *The Eleventh International Conference on Multimodal Interfaces and Workshop on Machine Learning for Multi-modal Interaction (ICMI-MLMI 2009, Cambridge, MA).*
6. *International Conference on Computational Linguistics (COLING 2002, Taipei, Taiwan; COLING 2008, Birmingham).*
7. *Computational Linguistics in the Netherlands (CLIN 2000-2004).*
8. *Book chapters and book proposals for Kluwer Academic Publishers, CSLI Publications, Benjamins, McGraw-Hill.*
9. *Research proposals for NWO-GW Open Competition, NWO Investments, NWO-VIDI, EPSRC (UK), National Science Foundation (NSF-US), Social Sciences and Humanities Research Council of Canada, Centre national de la recherche scientifique (CNRS-France).*

### **3.6. Programme Committee member**

1. *6th International Natural Language Generation Conference (INLG 2010, Dublin, Ireland).*
2. *3<sup>rd</sup> Multimodal Output Generation Workshop (MOG 2010, Dublin, Ireland).*
3. *The 31<sup>st</sup> Annual meeting of the Cognitive Science Society (COGSCI 2009, Amsterdam, The Netherlands).*

4. *The 2nd International Conference on Human-Robot Personal Relationships (HRPR 2009, Tilburg, The Netherlands).*
5. *Eighth International Conference on Computational Semantics (IWCS-8, Tilburg, The Netherlands)*
6. *2nd Workshop on Analytics for Noisy Unstructured Text Data (AND 2008, Singapore)*
7. *Symposium on Affective Language in Human and Machine (AISB 2008, University of Aberdeen).*
8. *2nd Symposium on Multimodal Output Generation (MOG 2008), Aberdeen.*
9. *The 46<sup>th</sup> Annual Meeting of the Association for Computational Linguistics (ACL 2008, Columbus, Ohio. Area chair for "Multimodal representations and processing (including speech & gesture)").*
10. *The Third International Joint Conference on Natural Language Processing (IJCNLP 2008, Hyderabad, India).*
11. *Eleventh European Workshop on Natural Language Generation (ENLG 2007, Schloss Dagstuhl, Germany).*
12. *Eight SIGdial Workshop on Discourse and Dialogue (SIGDIAL 2007, Antwerp, Belgium).*
13. *Workshop on Analytics for Noisy Unstructured Text Data (IJCAI 2007, Hyderabad, India).*
14. *Sixth Discourse Anaphora en Anaphor Resolution Colloquium (DAARC 2007, Lagos, Portugal).*
15. *Seventh International Workshop on Computational Semantics (IWCS 2007, Tilburg, The Netherlands).*
16. *Third Joint Conference of International Committee on Computational Linguistics and the Association for Computational Linguistics (COLING-ACL 2006, Sydney, Area chair for "Coreference, Discourse, Dialog, Prosody and Multi-modality").*
17. *Human Language Technology conference - North American chapter of the Association for Computational Linguistics annual meeting (HLT-NAACL 2006, New York).*
18. *18th International Conference on Pattern Recognition (ICPR 2006, Hong Kong, China).*
19. *Workshop on Modelling Coherence in Generation and Dialogue (ESSLLI 2006, Malaga, Spain).*
20. *Sixth International Workshop on Computational Semantics (IWCS 2005, Tilburg, The Netherlands).*
21. *Tenth European Workshop on Natural Language Generation (ENLG 2005, Aberdeen, UK).*
22. *Symposium on Dialogue Modelling and Generation, Annual meeting of the Society for Text & Discourse (TSD symposium 2005, Amsterdam, The Netherlands).*

23. *Sixth International Conference on Multimodal Interaction* (ICMI 2004, Pennsylvania, U.S.A.).
24. *Third International Conference on Natural Language Generation* (INLG 2004, Brokenhurst. UK).
25. *Fifth Discourse Anaphora en Anaphor Resolution Colloquium* (DAARC 2004, Lisbon, Portugal).
26. *Ninth Sinn und Bedeutung conference* (SUB9 2004, Nijmegen, The Netherlands).
27. *Fifth International workshop on Computational Semantics* (IWCS 5, 2003, Tilburg, The Netherlands).
28. *The Computational Treatment of Anaphora* (EACL workshop, 2003, Budapest, Hungary).
29. *Ninth European Workshop on Natural Language Generation* (ENLG 2003, Budapest, Hungary).
30. *ISCA workshop on Error Handling in Spoken Dialogue Systems* (2003, Chateau D'Oex, Switzerland).
31. *Second International Conference on Natural Language Generation* (INLG 2002, New York, U.S.A.).
32. *International Workshop on Scalable Natural Language Understanding* (Scanalu 2002, Heidelberg, Germany).
33. *Embodied Conversational Agents - Let's Specify and Evaluate Them!* (AAMAS workshop 2002, Bologna, Italy).

### **3.7 Ph.D. students (co-)supervision:**

1. Constantijn Kaland (2009 – now).
2. Jorrig Vogels (2009 – now)
3. Ruud Koolen (2009 – now)
4. Sander Wubben (2008 – now)
5. Marieke Hoetjes (2008 – now)
6. Martijn Balster (2008 – now)
7. Suleman Shahid (2007 – now)
8. Lisette Mol (2005 – now)
9. Charlotte van Hooijdonk (2003 - 2008)
10. Pashiera Barkhuysen (2003 - 2008)
11. Ielka van der Sluis (2001 - 2005)
12. Piroska Lendvai (2001 - 2004)
13. Mariët Theune (1996 - 2000)

### **3.8 Ph.D. committee member:**

1. Martin Saerbeck, *Software Architecture for Social Robots*, Eindhoven University of Technology, December 10, 2009.
2. Igor Berezhnoy, *Digital Analysis of Paintings*, Tilburg University, December 7, 2009.

3. Olivier Blanson-Henkemans, *ePartner for Self-Care: How to Enhance eHealth with Personal Computer Assistants*, Delft University of Technology, June 19, 2009.
4. Laurens van der Maaten, *Feature Extraction from Visual Data*, Tilburg University, June 23, 2009.
5. Sander Canisius, *Structured prediction for natural language processing: A constraint satisfaction approach*, Tilburg University, February 13, 2009.
6. Jeroen Geertzen, *Dialogue act, recognition and prediction: explorations in computational dialogue modelling*, Tilburg University, February 11, 2009.
7. Ben Torben-Nielsen, *Dendritic Morphology: Function Shapes Structure*, Tilburg University, December 3, 2008.
8. Pashiera Barkhuysen, *Audiovisual Prosody in Interaction*, Tilburg University, October 3, 2008 (Co-promotor).
9. Jozsef Farkas, *A semiotically oriented cognitive model of knowledge representation*, Radboud University Nijmegen, April 23, 2008 (External advisor)
10. Wauter Bosma, *Query-based summarization*, Twente University of Technology, March 27, 2008 (External advisor).
11. Charlotte van Hooijdonk, *Studies in Multimodal Information Presentation*, Tilburg University, March 19, 2008 (Co-promotor).
12. Roser Morante, *Computing meaning in interaction*, Tilburg University, 2007.
13. Marie Nilsenova, *Rises and Falls: Studies in the Semantics and Pragmatics of Intonation*, University of Amsterdam, University of Amsterdam, October 12, 2006 (External advisor).
14. Ielka van der Sluis, *Multimodal Reference: Studies in Automatic Generation of Multimodal Referring Expression*, Tilburg University, December 19, 2005 (Co-promotor).
15. Iris Hendrickx, *Local Classification and Global Estimation: Explorations of the k-Nearest Neighbor algorithm*, Tilburg University, November 21, 2005.
16. Pirooska Lendvai, *Extracting Information from Spoken User Input: A Machine Learning Approach*, Tilburg University, December 20, 2004 (Co-promoter).
17. Anja Arts, *Overspecification in Instructive Texts*, Tilburg University, December 15, 2004.
18. Mariët Theune, *From Data to Speech: Language Generation in Context*, December 1, 2000, Eindhoven University of Technology (Co-promoter).

### 3.9 Research grants

1. *Bridging the gap between psycholinguistics and computational linguistics: The case of Referring Expressions* (PI), NWO-VICI, 2008-2012 [€ 1,250,000].  
<http://fdlwww.uvt.nl/~krahmer/Vici.pdf>

2. *Detecting and Exploiting Semantic Overlap (Daeso)*, Stevin-EZ-NWO project, Principal Investigator (PI), with Erwin Marsi, 2006-2009 [€ 500,000].  
<http://daeso.uvt.nl/>.
3. *Interactive Multimodal Output Generation (Imogen)*, "small programme" within Interactive Multimodal Information Extraction (IMIX) project (NWO), PI, with Mariët Theune, 2003 – 2007 [€ 500,000].  
<http://wwwhome.cs.utwente.nl/~theune/IMOGEN/>.
4. *Towards a Unified Algorithm for the Generation of Referring Expressions (TUNA)*, EPSRC project (with Kees van Deemter, PI), 2003 - 2006. [€ 280,000].  
<http://www.csd.abdn.ac.uk/~agatt/tuna/>
5. *Learning to communicate: The application of machine learning to dialogue strategies*, PI with Antal van den Bosch, SOBU project, 2000-2004. [€ 105,000].

### 3.10 Prizes and small grants/projects

1. *Teaching Award*, third place in "best teacher" competition for Humanities, voted by students.
2. *Best paper award*, Shahid, S., E. Krahmer and M. Swerts (2008). Alone or together: exploring the effect of physical co-presence on the emotional expressions of game playing children across cultures. *Fun and Games conference 2008*
3. *Research Award ("Best researcher")*, Faculty of Arts, Tilburg (2006), together with Marc Swerts [€ 1,250].
4. *Conference Grants*, for organization of AVSP 2007, from NWO-Cognition [€5,000] and KNAW [€2,500], with Antonie Bors, Marc Swerts and Jean Vroomen.
5. *Text Summarization*, research project for Polderland Language and Speech Technology bv, Nijmegen, The Netherlands, PI, 2007 [€ 7,500].
6. *Computational models of Dialogue*, research project for Philips Research, Eindhoven, The Netherlands, PI, 2001. [€ 12,500].

## 4. Publications

### 4.1 International journals

1. Barkhuysen, P., E. Krahmer and M. Swerts (2010), Cross-modal and incremental perception of audiovisual cues to emotional speech, *Language and Speech*, to appear.
2. Swerts, M and E. Krahmer (2010), Visual prosody of newsreaders: Effects of information structure, emotional content and intended audience on facial expressions, *Journal of Phonetics*, to appear.
3. Krahmer, E. and M. Swerts (2009), Audiovisual prosody: Introduction to the special issue, *Language and Speech* 52(2-3), 129-133.
4. Mol, L., E. Krahmer, A., Maes, and M. Swerts (2009), The communicative import of gesture: evidence from a comparative analysis of human-human and human-machine interactions. *Gesture* 9 (1), 97-126.



5. Krahmer, E. (2008), Why be articulate? Two ways of looking at the transparency theory. *Theoretical Linguistics*, 34 (3), 253-259.
6. Swerts, M. and E. Krahmer (2008), Facial expressions and prosodic prominence: Comparing modalities and facial areas, *Journal of Phonetics*, 36(2), 219-238.
7. Barkhuysen P., E. Krahmer, M. Swerts (2008), The interplay between the auditory and visual modality for end-of-utterance detection. *Journal of the Acoustical Society of America*, 123 (1), 354-365.
8. van Hooijdonk, C. and E. Krahmer (2008), Information modalities for procedural instructions: the influence of text, static and dynamic visuals on learning and executing RSI exercises, *IEEE Transactions on Professional Communication*, 51(1), 50-62.
9. Krahmer, E. and M. Swerts (2007), The effects of visual beats on prosodic prominence: Acoustic analyses, auditory perception and visual perception, *Journal of Memory and Language*, 57(3), 396-414.
10. van der Sluis, I and E. Krahmer (2007), Generating Multimodal References, *Discourse Processes*, 44(3), 145-174.
11. Krahmer, E. and M. Swerts (2005), How children and adults produce and perceive uncertainty in audiovisual speech, *Language and Speech*, 48(1), 29-54.
12. Swerts, M. and E. Krahmer (2005), Audiovisual prosody and feeling of knowing, *Journal of Memory and Language*, 53(1), 81-94.
13. van Deemter, K., E. Krahmer and M. Theune (2005). Real vs. template-based natural language generation: A false opposition?, *Computational Linguistics*, 31(1), 15-23.
14. Barkhuysen, P., E. Krahmer and M. Swerts (2005), Problem Detection in Human-Machine Interactions based on Facial Expressions of Users, *Speech Communication*, 45(3), 343-359.
15. Krahmer, E. and N. Ummelen (2004), Thinking about thinking aloud: A comparison of two verbal protocols for usability testing, *IEEE Transactions on Professional Communication*, 47(2), 105-117.
16. Krahmer, E., J. van Dorst and N. Ummelen (2004). Mood, persuasion and information presentation: The influence of mood on the effectiveness of persuasive digital documents, *Information Design Journal*, 12(3), 40-52.
17. Krahmer, E., S. van Erk, A. Verleg (2003), Graph-based Generation of Referring Expressions, *Computational Linguistics*, 29(1), 53-72.
18. Krahmer, E., M. Swerts, M. Theune and M. Weegels (2002), The Dual of Denial: Two Uses of Disconfirmations in Dialogue and their Prosodic Correlates, *Speech Communication* 36(1), 133-145.
19. Swerts, M., E. Krahmer and C. Avesani (2002), Prosodic Marking of Information Status in Dutch and Italian: A comparative analysis, *Journal of Phonetics*, 30(4), 629-654.
20. Beaver, D. and E. Krahmer (2001), A Partial Account of Presupposition Projection, *Journal of Logic, Language and Information*, 10(2), 147-182.

21. Krahmer, E., M. Swerts, M. Theune and M. Weegels (2001), Error Detection in Spoken Human-Machine Interaction. *International Journal of Speech Technology*, 4(1), 19-30.
22. Krahmer, E. and M. Swerts (2001), On the Alleged Existence of Contrastive Accents, *Speech Communication*, 34(4), 391-405.
23. Theune, M., E. Klabbers, J.R. de Pijper, E. Krahmer and J. Odijk (2001), From Data to Speech: A Generic Approach, *Natural Language Engineering*, 7(1), 47-86.
24. Krahmer, E. and K. van Deemter (1998), On the Interpretation of Anaphoric Noun Phrases: Towards a Full Understanding of Partial Matches, *Journal of Semantics*, 15(3/4), 355-392.
25. Krahmer, E. and R. Muskens (1995), Negation and Disjunction in DRT, *Journal of Semantics*, 12(4), 357-376.

#### 4.2 Books

1. Krahmer, E. (1998), *Presupposition and Anaphora*, CSLI Publications (distribution Chicago University Press), CSLI Lecture Note Series, Number 89, Stanford, CA, (reviewed in: *Language* 78 (2002): 207-208; *Linguistics* 37 (2001): 219-225).
2. Krahmer, E. (1995), *Discourse and Presupposition*, PhD thesis, Tilburg University, The Netherlands.

#### 4.3 Edited volumes

1. Krahmer, E. and M. Theune (2010), *Empirical Methods in Natural Language Generation*, Lecture Notes in Computer Science (LNCS 5980), Springer Verlag, Berlin Heidelberg.
2. Krahmer, E. and M. Swerts (2009), Special issue on Audiovisual Prosody, *Language Speech* 52(2-3), 129-386.
3. van Deemter, K, A. Gatt, R. van Gompel and E. Krahmer (2009), *Proceedings of the Workshop on the Production of Referring Expressions: Bridging the gap between computational and empirical approaches to reference* (PRE-CogSci 2009), 29 July 2009, Amsterdam.
4. Krahmer, E. and M. Theune (2009), *Proceedings of the 12th European Workshop on Natural Language Generation (ENLG 2009)*, 30-31 March, 2009, Athens, Association for Computational Linguistics.
5. Krahmer, E., M. Swerts and J. Vroomen (2007), *Proceedings of the International Conference on Auditory-Visual Speech Processing (AVSP 2007)*, 31 August – 3 September 2007, Hilvarenbeek, The Netherlands.
6. van der Sluis, I., Theune, M. Reiter, E. & Krahmer, E. (2007), *Proceedings of the Workshop on Multimodal Output Generation (MOG 2007)*, CTIT Workshop Proceedings WP 07-01, 25 – 26 January 2007, Aberdeen, Scotland.

#### 4.4 National journals

1. Hooijdonk, C., van and E. Krahmer (2006). De invloed van unimodale en multimodale instructies op de effectiviteit van RSI-preventieoefeningen. *Tijdschrift voor Taalbeheersing*, 28(2), 73-87.
2. Model, J. [= pseudonym of Bart Hollebrandse, Emiel Krahmer and Marc van Oostendorp] (1991), Incorporatie in het Nederlands. *Gramma, Tijdschrift voor Taalkunde*, 15(1), 57-88.

#### 4.5 Contributions to books

1. Krahmer, E. and M. Swerts (2010), Emotions in communication. In: M. Ouwerkerk, J. Westerink and M. Krans (Eds), *Sensing Emotions in Context: The impact of context on behavioral and physiological experience measurements*, Philips Research Book Series, Vol. 12, Springer Verlag, Berlin Heidelberg.
2. Marsi, E., E. Krahmer, I. Hendrickx, W. Daelemans (2010), Is Sentence Compression an NLG Task?. In: E. Krahmer and M. Theune (Eds), *Empirical Methods in Natural Language Generation*, Lecture Notes in Computer Science (LNCS 5980), Springer Verlag, Berlin Heidelberg.
3. Shahid, S., E. Krahmer and M. Swerts (2008). Alone or together: exploring the effect of physical co-presence on the emotional expressions of game playing children across cultures. In: P. Markopoulos et al (Eds.), *Fun and Games 2008*, Lecture Notes in Computer Science (LNCS 5294), Springer Verlag, Berlin Heidelberg, pp. 94-105.
4. Marsi, E. and E. Krahmer (2008). Detecting semantic overlap: A parallel monolingual treebank for Dutch. In: *Computational Linguistics in the Netherlands (CLIN 2007), Selected papers from the 18<sup>th</sup> meeting*.
5. van Deemter, K. and E. Krahmer (2007), Graphs and Booleans, in: *Computing Meaning* (vol. 3), H. Bunt and R. Muskens (eds.), Studies in Linguistics and Philosophy, Kluwer Academic Publishers, 397-422.
6. Swerts, M. and E. Krahmer (2007), Meaning, Intonation and Negation, in: *Computing Meaning* (vol. 3), H. Bunt and R. Muskens (eds.), Studies in Linguistics and Philosophy, Kluwer Academic Publishers, 195-212.
7. Krahmer, E. and M. Swerts (2007), Perceiving Focus, in: *Topic and Focus: Cross-linguistic Perspectives on Intonation and Meaning*, C. Lee, M. Gordon, and D. Büring (eds.), Kluwer Academic Publishers, Studies in Linguistics and Philosophy Series, 121-138.
8. Krahmer, E. and M. Swerts (2004), More about brows: a cross-linguistic analysis-by-synthesis study, in: *From Brows to Trust: Evaluating Embodied Conversational Agents*, C. Pelachaud and Zs. Ruttkay (eds.), Kluwer Academic Publishers, 191-216.
9. Lendvai, P., A. van den Bosch, E. Krahmer, M. Swerts (2002), Multi-feature error detection, in: *Computational Linguistics in the Netherlands 2001, Selected Papers from the 12th CLIN Meeting*, Theune, M., Nijholt, A. & Hondorp, H. (Eds.), Rodopi, Amsterdam, pp. 163-178.
10. Krahmer, E. and M. Theune (2002), Efficient context-sensitive generation of referring expressions, in: *Information Sharing: Givenness and Newness in Language Processing*, K. van Deemter and R. Kibble (eds.), CSLI Publications, Stanford, 223-

11. van den Bosch, A., E. Krahmer and M. Swerts (2001), Automatic Detection of Communication Problems Using Minimal means, in: *Computational Linguistics in the Netherlands 2000, Selected Papers from the 11th CLIN Meeting*, W. Daelemans et al. (eds.), Rodopi, Amsterdam.
12. van der Sluis, I. and Krahmer, E. (2001), Generating Referring Expressions in a Multimodal Context: An empirically motivated approach, in: *Computational Linguistics in the Netherlands 2000. Selected Papers from the 11th CLIN Meeting*, W. Daelemans et al. (eds.), Rodopi, Amsterdam, pp. 158-176.
13. Piwek, P. and E. Krahmer (2000), Presuppositions in Context: Constructing Bridges, in: *Formal Aspects of Context*, P. Bonzon, M. Cavalcanti, R. Nossum (eds.), Applied Logic Series volume 20, Kluwer Academic Publishers.
14. Krahmer, E. and P. Piwek (1999), Presupposition Projection as Proof Construction, in: *Computing Meanings: Current Issues in Computational Semantics*, H. Bunt and R. Muskens (eds.), Studies in Linguistics and Philosophy, Kluwer Academic Publishers, 281-300.
15. Krahmer, E. and K. van Deemter (1997). Presuppositions as Anaphors Revisited, in: *Computational Linguistics in the Netherlands 1996: Selected papers from the 7th CLIN Meeting*, J. Landsbergen, J. Odijk, K. van Deemter and G. Veldhuijzen van Zanten (eds.), 85-100.

#### 4.6 Conference proceedings

1. Shahid, S., E. Krahmer, M. Swerts, W. Melder and M. Neerincx (2009). You Make Me Happy: Using an Adaptive Affective Interface to Investigate the Effect of Social Presence on Positive Emotion Induction. *Proceedings of the International Conference on Affective Computing and Intelligent Interaction (ACII 2009)*, September 10 - 12, 2009, Amsterdam, The Netherlands.
2. Krahmer, E. and D.A. Stapel (2009). Abstract language, global perception: How language shapes what we see. *Proceedings of the 31<sup>st</sup> Annual Meeting of the Cognitive Science Society (CogSci 2009)*, 29 July – 1 August 2009, Amsterdam.
3. van Amelsvoort, M and E. Krahmer (2009). Appraisal of Children's Facial Expressions while Performing Mathematics Problems. *Proceedings of the 31<sup>st</sup> Annual Meeting of the Cognitive Science Society (CogSci 2009)*, 29 July – 1 August 2009, Amsterdam.
4. Mol, L., E. Krahmer, A. Maes and M. Swerts (2009). Communicative Gestures and Memory Load. *Proceedings of the 31<sup>st</sup> Annual Meeting of the Cognitive Science Society (CogSci 2009)*, 29 July – 1 August 2009, Amsterdam.
5. Van Deemter, K., A. Gatt, R. van Gompel, E. Krahmer (2009). Production of Referring Expressions (PRE-CogSci) 2009: Bridging the gap between computational and empirical approaches to reference. *Proceedings of the 31<sup>st</sup> Annual Meeting of the Cognitive Science Society (CogSci 2009)*, 29 July – 1 August 2009, Amsterdam.
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#### 4.7 Workshop proceedings

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6. Wubben, S., A. van den Bosch, E. Krahmer and E. Marsi (2009), Clustering and Matching Headlines for Automatic Paraphrase Acquisition, *Proceedings of the 12th European Workshop on Natural Language Generation (ENLG 2009)*, 30-31 March, 2009, Athens, pp. 122-125.
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*Human-Centered Computing in International Development*, April 4-9, 2009, Boston, MA.

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12. Theune, M., P. Touset, J. Viethen, E. Krahmer (2007), Cost-based attribute selection for generating referring expressions (Graph-FP and Graph-SC), in: *Proceedings of the First NLG Shared Task and Evaluation Challenge on Attribute Selection for Referring Expressions Generation (GRE STEC1)*, MT Summit XI, Copenhagen, September 11.
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*spoken dialogue systems*, Chateau-D'Oex, Switzerland.

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#### **4.8 Non-refereed, reports, popular publications**

1. Krahmer, E., E. Marsi and L. Beijer (2008), Taaltechnologie voor mensen met communicatieve beperkingen: een optie? , *DIXIT, tijdschrift over toegepaste taal- en spraaktechnologie*, 4(1).
2. Krahmer, E. (2007) *Mens en Computer: De Menselijke kant van Digitale Media* [in Dutch]. Oratie, December 2, 2007.
3. de Gelder, B., M. Swerts and E. Krahmer (2007), Lichaamstaal voor gevorderden, in *Hoe voelt dat?! Wat je wilt weten over emoties* (kinderboek), Inmerc.
4. Krahmer, E. (2007), *Text summarization*, Research Report for Polderland Language and Speech Technology, Nijmegen.
5. Theune, M., E. Krahmer, W. Bosma, E. Marsi en C. van Hooijdonk (2006), Mag het ietsje meer zijn? Antwoordpresentatie in een QA-systeem, *DIXIT, tijdschrift over toegepaste taal- en spraaktechnologie*, 4(1), June 2006, pp. 12-15.
6. Krahmer, E. (2005). Digitaal Communiceren in gesproken taal [in Dutch], in: *Digitaal Communiceren 2.0*, H. van Driel (ed.), Boom.
7. Krahmer, E. (2001), *The science and art of voice interfaces*, Philips Research Report, Eindhoven.
8. Krahmer, E. (1993). Review of "Artikelwörter im Deutschen: Semantische und Pragmatische Aspekte ihrer Verwendung" by Hansjörg Bisle-Müller", *Journal of Semantics*, **10**(4): 327-329.

#### **4.9 Invited presentations (selection)**

1. Non-verbal communication for and by aphasia patients (Ontwikkelcentrum voor Spraak- en Taaltechnologie OSTT, Nijmegen, 2009).
2. How language shapes what we see (TiCC Symposium Computers and Art, Tilburg, 2009).
3. Audiovisual expressions of emotion in context (Probing Experience II, Philips

Research, 2008).

4. Bridging the Gap Between Experiment and Formal Modeling: The Case of Referring Expressions (TILPS symposium, 2008).
5. Detecting and exploiting semantic overlap (UvA, Amsterdam, 2008).
6. Computational approaches to non-verbal communication, The Third CLIF Symposium on Language and Speech Technology (Leuven 2008)
7. Further Explorations in Sentence Fusion, Twente Symposium on Natural Language Processing and Multimodal Interaction (Enschede, 2008,).
8. Children's audiovisual expression of emotion: The influence of age, culture and setting, *Visual Aspects of Speech Processing Symposium*, (Psychology Departement, Tilburg, 2007)
9. Effects of Mood and Emotion: Methodological Issues, *Aberdeen Colloquium* (Aberdeen, UK, 2007).
10. Production and perception of emotions in audiovisual speech, *Language and Speech Colloquium*, (Nijmegen, 2006).
11. Combining analysis-by-observation and analysis-by-synthesis for micro-evaluation of ECAs, *Dagstuhl workshop on Evaluating Embodied Conversational Agents* (Dagstuhl, Germany, 2004).
12. Audiovisual cues to focus, *Prosody and Sign Language workshop* (Nijmegen, The Netherlands, 2004)
13. More about brows, *Multimodal Communication workshop* (Tilburg, The Netherlands, 2003).
14. Perceiving focus: The Phonetics and Funology of Focus, *Meaning and Intonation workshop* (Amsterdam-Utrecht, The Netherlands, 2002).
15. Functional Evaluation of Multimodal Interfaces: An experiment with Talking Heads, *Dagstuhl workshop on Coordination and Fusion in Multimodal Interaction* (Dagstuhl, Germany, 2001).
16. Speech in a multimodal context, *1<sup>st</sup> International Symposium on User-System Interaction* (Eindhoven, The Netherlands, 2000).
17. Context-sensitive Generation of Referring Expressions, *ITRI Seminar, Information Technology Research Institute* (Brighton, UK, 1999).
18. Natural Language Generation, *SIKS-workshop Natural Language and Information Systems* (Tilburg, 1998).
19. Presupposition and Anaphora in DRT, *IMS Seminar, Institut für Maschinelle Sprachverarbeitung* (Stuttgart, Germany, 1996).

#### 4.10 Media coverage

1. *VPRO Noorderlicht* radio (August 2005): interview with Pashiera Barkhuysen, Emiel Krahmer and Marc Swerts on measuring non-verbal behaviour.
2. *Psychology Magazine* (April 2004): short report about research on facial expressions ("What we don't say with words.").
3. *VPRO Noorderlicht* (November 2007): "Net-echte computerpersonages": interview <http://noorderlicht.vpro.nl/afleveringen/36344659/>.
4. *NRC Handelsblad* (November 2007): "Computerpersonages leren langzaam maar zeker non-verbaal communiceren" (interview with Emiel Krahmer and Marc Swerts)
5. *NRC Next* (November 2007): "Geloofwaardige digitale wenkbrauwen" (interview with Emiel Krahmer and Marc Swerts).
6. *De Standaard* (November 2007): "Computerpersonages leren langzaam maar zeker non-verbaal communiceren" (interview with Emiel Krahmer and Marc Swerts)
7. *De Automatiseringsgids* (December 2007): "Wat gaat er om in een virtueel hoofd?"
8. *De Dag* (March 2008): video-interview about body language.
9. *VARA radio Kassa* (November 2009): radio-interview about E-mail stress.
10. *Brabants Dagblad* (December 2009): "Kijk anders naar E-mail"

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