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# *Web documents and Publication list*

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The following documents are available from the webpage  
<http://tcw2.ppsw.rug.nl/~niels/thesis/>

The ACT-R architecture itself can be obtained from:  
<http://act.psy.cmu.edu/>

## **Chapter 3**

- Verbal protocols of all participants (Dutch)
- The detailed protocol analysis of participant 2 (Dutch)

## **Chapter 4**

- Model of the dissociation experiment
- Models of rehearsal and free recall

## **Chapter 5**

- A Macintosh Microsoft Excel 4.0 file with the dynamic growth model
- Model of the beam task
- Model of discrimination-shift learning

## **Chapter 6**

- Model of the Fincham task

## Chapter 7

- Model that demonstrates the influence of W on working memory span
- Two models of scheduling

## Publication list

- Taatgen, N.A. (1993). Complexiteitsaspecten van leermechanismen. *Proceedings of the Benelearn-93 conference*. Artificial Intelligence Laboratory, Vrije Universiteit Brussel, Belgium.
- Taatgen, N.A. (1994a). The study of learning mechanisms in unified theories of cognition. In F.J.Maarse, A.E. Akkerman, A.N. Brand, L.J.M. Mulder, M.J. v.d. Stelt, *Computers in psychology 5*, Lisse, the Netherlands: Swets & Zeitlinger.
- Taatgen, N.A. (1996a). A model of free-recall using the ACT-R architecture and the phonological loop. In H.J van den Herik & T. Weijters (Eds.), *Proceedings of Benelearn-96* (pp. 169-178). Maastricht, the Netherlands: Universiteit Maastricht, MATRIKS.
- Taatgen N.A. (1996b). Learning and revising task-specific rules in ACT-R. In U. Schmid, J. Krems & F. Wysotzki (Eds.), *Proceedings of the First European Workshop on Cognitive Modeling* (report no. 96-39, pp. 31-38). Berlin, Technische Universitaet Berlin, Fachbereich Informatik.
- Taatgen, N.A. (1997a). A rational analysis of alternating search and reflection in problem solving. *Proceedings of the 19th Annual Conference of the Cognitive Science Society*. Hillsdale, NJ: Erlbaum.
- Hendriks, P., Taatgen, N.A & Andringa, T.C. (Eds.) (1997b). *Breïnmakers & Breïnbrekers, inleiding cognitiewetenschap*. Amsterdam: Addison-Wesley Longman.
- Lebiere, Christian, Dieter Wallach & Niels Taatgen (1998). Implicit and explicit learning in ACT-R. In Frank Ritter & Richard Young (eds.), *Proceedings of the Second European Conference on Cognitive Modelling*. Nottingham, UK: Nottingham University Press.
- Taatgen, N.A. (1999). Explicit Learning in ACT-R. In U. Schmid, J.F. Krems, F. Wysotki (Eds.), *Mind Modelling: A Cognitive Science Approach to Reasoning, Learning and Discovery*. Berlin: Pabst Science Publishers.
- Taatgen, N.A. (1999). Review of 'The atomic components of thought'. *Trends in Cognitive Sciences*, 2, 82-82.
- Taatgen, N.A. (submitted). A model of learning task-specific knowledge for a new task. Submitted to the cognitive science conference.
- Taatgen, N.A. (submitted). Implicit versus explicit: an ACT-R learning perspective; Commentary on Dienes & Perner: A theory of implicit and explicit knowledge. Submitted to Behavioral and Brain Sciences.
- Taatgen, N.A. (submitted). Cognitief Modelleren: Een nieuwe kijk op individuele verschillen. Submitted to Nederlands Tijdschrift voor de Psychologie.
- Taatgen, N.A. & Wallach, D. P. Wallach (in preparation). Model of rule and instance-based skill acquisition in complex task domains.