

# AKADEMISCHER LEBENS LAUF

Arthur Matthias Jacobs, geboren am 28. April 1958, in Düren.

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## Ausbildung & Berufliche Tätigkeit

Juni 1982	Certificat C3 de maîtrise (Masters) en Psychologie Expérimentale, Université René Descartes, Sorbonne, Paris V, D.A.A.D.-Stipendium.
August 1983	Hauptdiplom in Arbeits- und Organisationspsychologie, Universität Würzburg, Stipendium der Studienstiftung des Deutschen Volkes.
April 1986	Dissertation in Psychologie (Sorbonne, Paris), Doktorandenstipendium der Studienstiftung.
1986 - 1987	Forschungsaufenthalte in USA: Center for the study of reading, University of Illinois at Champaign und M.I.T. (Stipendien der Fondation pour la Recherche Médicale und der Fondation Fyssen, Paris), sowie am Institut für Nachrichtentechnik der TH München (Stipendium der European Science Foundation).
1987 - 1988	Wissenschaftlicher Angestellter am Institut für Psychologie, Lehrstuhl für Arbeitspsychologie der RWTH Aachen.
1988 – 1992	Forschungsbeauftragter des Französischen Nationalen Zentrums für Wissenschaftliche Forschung (CNRS), Laboratoire de Psychologie Expérimentale, Paris.
1992 - 1996	Forschungsdirektor des CNRS, Leiter der Gehirn & Sprachgruppe am Centre de Recherche en Neurosciences Cognitives, Marseille.
1994 Okt.-Dez.	Gastprofessor am Institut für Psychologie der RWTH Aachen.
1996 – 1998	Professor (C3) für Allgemeine Psychologie, Philipps-Universität Marburg.
1998 -	Professor (C4) für Allgemeine Psychologie und Methodenlehre, Katholische Universität Eichstätt - Ingolstadt
2001 -	Direktor des Interdisziplinären Zentrums für Gesundheitswissenschaften (IZG), KU Eichstätt-Ingolstadt
2003 -	Professor (C4) für Allgemeine Psychologie, Freie Universität Berlin

## Mitgliedschaft in wissenschaftlichen Gesellschaften

1985 - 1993	Société Française de Psychologie
1990 – 1991 & 2001 -	Deutsche Gesellschaft für Psychologie
1987 – 1996	European Society for Cognitive Psychology
1992 – 1996	Association pour la Recherche Cognitive
1996 -	Psychonomic Society
2003 - 2004	Cognitive Neuroscience Society

## Gutachtertätigkeit

1991 -	Editorial Advisory Board von: Psychological Research / Psychologische Forschung
1996 – 2000	Journal of Experimental Psychology: Human Perception and Performance
2001 -	Zeitschrift für Psychologie
1993 -	Assoziiertes Mitglied von: Behavioral and Brain Sciences
1987 -	Ad hoc Gutachter für: Acta Psychologica, Brain & Language, Behavioral & Brain Sciences, Cognition, Cognitive Brain Research, Cognitive Neuropsychology, Current Psychology of Cognition, Ergonomics, European Journal of Cognitive Psychology, International Journal of Psychology, Journal of Experimental Psychology: Human Perception and Performance, Journal of Memory and Language, Memory & Cognition, Neuropsychologia, NeuroReport, Perception & Psychophysics, Psychophysiology, Psychological Bulletin & Review, Psychological Research, Psychological Science, Psychological Review, Visual Cognition, Zeitschrift für experimentelle Psychologie, Zeitschrift für Psychologie.
1991 -	Gutachter für verschiedene Institutionen: DFG, German- Israeli Foundation (GIF), CNRS, MRC, Honeywell Trust, EG.

## Forschungsprojekte - Drittmittelakquisition

(Angewandte Projekte sind unterstrichen)

- 1983 - 1984 *The effect of reduced acuity on reading.* Laboratoire de Psychologie Expérimentale, Paris. Principal Investigator: JK O'Regan. Collaborator. ESSILOR Inc. (300 KFF)
- 1985 - 1986 *Readability of computer texts as a function of inter-letter spacing.* Laboratoire de Psychologie Expérimentale, Paris. Principal Investigator: JK O'Regan. Collaborator. FRENCH TELECOM (220 KFF)
- 1986 – 1987 "*Spatio-temporal constraints and cognitive decision mechanisms of oculomotor control*", European Science Foundation ("twinning grant"), Laboratoire de Psychologie Expérimentale, Paris.
- 1987 – 1989 *Sichtabstand bei Fahrten in der Dunkelheit,* Bundesanstalt für Straßenwesen (BAST), Institut für Psychologie der RWTH Aachen.
- 1988 – 1990 *Connectionist models for artificial intelligence,* Europäische Gemeinschaft (Programm B.R.A.I.N.), Laboratoire de Psychologie Expérimentale, Paris.
- 1989 – 1991 *Dynamische Interaktionen bei der visuellen Verarbeitung: architekturelle und zeitliche Bedingungen in künstlichen und natürlichen Systemen,* Französisches Forschungs- und Technologieministerium (MRT), Laboratoire de Psychologie Expérimentale, Paris.
- 1989 – 1992 *Sicherheitsbewertung neu entwickelter Anlagen und Hilfen für den Fußgängerquerverkehr,* BAST-Projekt zus. mit Ingenieurbüro Planquadrat, Aachen.
- 1991 - 1993 *Zur Rolle von Buchstaben bei der Worterkennung: Bestimmung des Einflusses visueller, lexikalischer und okulomotorischer Faktoren,* DFG-Projekt Heller/Jacobs, Institut für Psychologie, RWTH Aachen.
- 1992 – 1993 *L'interaction entre processus perceptifs et mnésiques dans la reconnaissance visuelle de mots et d'images: études psychopharmacologiques et modélisation expérimentale,* MRT Projekt Danion/Jacobs/Alexandre, Laboratoire de Psychologie Expérimentale, Paris.
- 1993 - 1995 *Effects of cannabis on information processing and attention.* NIH grant. Principal investigator: HG Pope, MD. Harvard Medical School. Scientific advisor. Collaborators JP Mialet, D Yurgelun-Todd, S Gruber. (1200 K\$).
- 1990 - 2002 *Development of an Attentional and Cognitive Efficiency (ACE) battery for Clinical and Cognitive Neuropsychological Testing and Rehabilitation.* Principal investigator: JP Mialet, MD. Scientific advisor.

Collaborators: P Boyer, D Weintraub, R Ravry & JC Bisserbe. COGNICEPT Inc., Paris.

- 1992 – 1994 *Approche électrophysiologique et simulation de la compréhension du langage*, MRT Projekt Besson/Jacobs/Pynte, CNRS-LNC, Marseille.
- 1992 – 1994 *Développement d'un modèle de simulation de l'identification des mots écrits*, MRT Projekt Grainger/Jacobs/Pierrel, CNRS-LNC, Marseille.
- 1997 – 2001 *Zur Rolle phonologischer Prozesse beim Lesen*. DFG Teilprojekt #7 (Jacobs) der Forschergruppe "Dynamik kognitiver Repräsentationen", Philipps-Universität Marburg, Az.: RO 529/12-1
- 1997 - 2001 *Zur Rolle des visuellen Wortformsystems beim Lesen*. DFG Teilprojekt #8(Jacobs/Nazir/Gauggel) der Forschergruppe "Dynamik kognitiver Repräsentationen", Philipps-Universität Marburg, Az.: RO 529/12-1
- 2003 - 2006 *Zur Rolle phonologischer Prozesse beim Lesen komplexer Wörter*. DFG Projekt, FU Berlin, Az.: JA 823/3-1
- 2004 - 2005 *Zur Rolle von Silben bei der Worterkennung: ein sprachvergleichender Ansatz*. DAAD Projekt (Acciones Integradas Hispano-Alemanas), FU Berlin, Az.: D/03/39324
- 2005 – 2007 *Guckomobil II: Frühentdeckung und individuelle Förderung von Kindern mit Lese- und/oder Rechtschreibauffälligkeiten*. BMBF Projekt, FU Berlin, Az.: PLI3029

## Publikationen (1983 - 2005)

**A. Zeitschriftenbeiträge (71, davon 9 in Zeitschriften der American Psychological Association und 11 in Zeitschriften der Psychonomic Society, \* markiert „commentaries“).**

### 2003 - 2005

- Jacobs, A.M., & Graf, R., (2005). Wortformgedächtnis als intuitive Statistik in Sprachen mit unterschiedlicher Konsistenz, Zeitschrift für Psychologie, 213, 133-141.
- Jacobs, A.M., Graf, R., & Kinder, A. (2003). Receiver-Operating Characteristics in the Lexical Decision Task: evidence for a simple signal detection process simulated by the Multiple Read-Out Model. Journal of Experimental Psychology: Learning, memory and cognition, 29, 481–488.
- Bekkering, H., Brass, M., Woschina, S., & Jacobs, A.M. (2005). Goal-directed imitation in patients with Ideomotor Apraxia, Cognitive Neuropsychology, 22, 419-432.
- Conrad, M. & Jacobs, A.M. (2004). Replicating syllable frequency effects in Spanish in German: A challenge to current models of visual word recognition. Language and Cognitive Processes, 19, 369–390.
- Conrad, M., Stenneken, P., & Jacobs, A.M. (2005). Associated or dissociated effects of syllable-frequency in lexical decision and naming. Psychological Bulletin and Review, in press.
- Graf, R., Nagler, M., & Jacobs, A.M. (2005). Faktorenanalyse von 57 Variablen der visuellen Worterkennung, Zeitschrift für Psychologie, in Druck.
- Grainger, J., & Jacobs, A. M. (2005). Pseudoword context effects on letter perception. European Journal of Cognitive Psychology, in press.
- Hutzler, F., Bergmann, J., Conrad, M., Kronbichler, M., Stenneken, P., & Jacobs, A.M. (2004). Inhibitory effects of first syllable-frequency in lexical decision: An event related potential study. Neuroscience Letters, 372, 179-184.
- Hutzler, F., Conrad, M., & Jacobs, A.M. (2005). Effects of Syllable-Frequency in Lexical Decision and Naming: An Eye Movement Study. Brain and Language, 92, 138–152.
- Hutzler, F., Kronbichler, M., Jacobs, A.M., & Wimmer, H. (2005). Perhaps correlational but not causal: No effect of dyslexic readers' magnocellular system on their eye movements during reading. Neuropsychologia, in press.
- Kuchinke, L., Jacobs, A.M., Grubich, C., Vo, M.L-H., & Herrmann, M. (2005). Incidental effects of emotional valence in single word processing: an fMRI study. Neuroimage, in press.
- Stenneken, P., Conrad, M., Goldenberg, G. & Jacobs, A. M. (2003). Visual Processing of Sublexical Units in Dyslexia. Brain and Language, 87, 137-138.
- Stenneken, P., Bastiaanse, R., Huber, W. & Jacobs, A. M. (2005). Syllable Structure and Sonority in Language Inventory and Aphasic Neologisms. Brain and Language, in press.
- Stenneken, P., Hofmann, M., & Jacobs, A.M. (2005). Patterns of phoneme and syllable frequency in jargon aphasia. Brain and Language, in press.
- Vo, M., Jacobs, A.M., & Conrad, M. (2005). Crossvalidating the Berlin Affective Word List (BAWL). Behavior Research Methods, Instruments, & Computers, accepted pending revision.

### 2000 - 2002

- Graf, R., Braun, M., Jacobs, A.M. & Hellbrück, J. (2002). Language Processing and Short-Term Memory. The Gradual Phonological Similarity Effect and Irrelevant Speech. Psychologische Beiträge, 44, 166-186.
- Nuerk, H.-C., Rey, A., Graf, R., & Jacobs, A. M. (2000). Phonographic sublexical units in visual word recognition. Current Psychology Letters: Behavior, Brain, & Cognition, 2, 27-38.

- Nuerk, H.-C., Graf, R., Boecker, M., Gauggel, S., & Jacobs, A. M. (2002). Der Wortfragmentationstest FRAG als computergestütztes Verfahren zur Erfassung der visuellen Worterkennung bei aphasischen und nicht-aphasischen Patienten. Zeitschrift für Neuropsychologie, 13, 3-18.
- Rey, A., Ziegler, J. C. & Jacobs, A. M. (2000). Graphemes are perceptual reading units. Cognition, 75, B1-B12.
- Weisz, N., Schandry, R., Jacobs, A.M., Mialet, J.P. (2002). Early contingent negative variation of the EEG and attentional flexibility are reduced in hypotension. International Journal of Psychophysiology, 45, 253-260.
- Ziegler, J., Ferrand, L., Jacobs, A.M., Rey, A., & Grainger, J. (2000). Visual and phonological codes in letter and word recognition: evidence from incremental priming. Quarterly Journal of Experimental Psychology, 53A, 671-692.
- Ziegler, J., Jacobs, A. M., & Klüppel, D. (2001). Pseudohomophone effects in lexical decision: Still a challenge for current word recognition models". Journal of Experimental Psychology: Human Perception and Performance, 27, 547-559.
- Ziegler, J. C., Perry, C. Jacobs, A. M., & Braun, M. (2001). Identical words are read differently in different languages. Psychological Science, 27, 379-384.
- Ziegler, J.C., Stone, G.O., & Jacobs, A.M. (1997). What's the pronunciation for \_OUGH and the Spelling for /u/? A database for computing feedforward and feedback consistency in English. Behavior Research Methods, Instruments, & Computers, 29, 600-618.
- Ziegler, J., Van Orden, G.C., & Jacobs, A. M. (1997). Phonology can help or hurt the perception of print. Journal of Experimental Psychology: Human Perception and Performance, 23, 845-860.

#### 1997 - 1999

- Jacobs, A. M., & Grainger, J. (1999)\*. Modeling a theory without a model-theory, or, computational modeling 'after Feyerabend'. Behavioral and Brain Sciences, 22, 46-47.
- Jacobs, A. M., & Rösler, F. (1999)\*. Dondersian dreams in brain-mappers minds, or, still no cross-fertilization between mind mappers and cognitive modelers. Behavioral and Brain Sciences, 22, 293-295.
- Jacobs, A. M., & Ziegler, J.C. (1997)\*. Has Glenberg forgotten his nurse?. Behavioral and Brain Sciences, 20, 26-27.
- Aghababian, V., & Jacobs, A.M. (1998). Les modeles de simulation des dyslexies. Canadian Journal of Experimental Psychology / Revue Canadienne de psychologie experimentale, 52, 128-145.
- Grainger, J., & Jacobs, A. M. (1999). Temporal integration of orthographic information in visual word recognition. Visual Cognition, 6, 461-492.
- Grainger, J. & Jacobs, A. M. (1998)\*. Localist connectionism fits the bill: Commentary on Green on Connectionist-Explanation. Psychology, 9(9).
- Mialet, J.P., Jacobs, A.M., & Feuchon-Theodon, N. (1998). Mise au point d'une liste validee de mots anxiogenes. L'Encephale, 51-52.
- Nazir, T. A., Jacobs, A. M., & O'Regan, J. K. (1998). Letter legibility and visual word recognition. Memory & Cognition, 26, 810-821.
- Pope, H.G., Jacobs, A.M., Mialet, J.P., Yurgelun-Todd, D., & Gruber, S. (1997). Evidence for a sex-specific residual effect of cannabis on visuospatial memory. Psychotherapy and Psychosomatics, 66, 179-184.
- Rey, A., & Jacobs, A. M., Schmidt-Weigand, F., & Ziegler, J. C. (1998). A phoneme effect in visual word recognition. Cognition, 68, B71-B80.
- Ziegler, J. C., Besson, M., Montant, Jacobs, A. M., Nazir, T.A., & Carr, T.H. (1997). Word, pseudoword, and nonword processing: A multitask comparison using Event-Related Potentials. Journal of Cognitive Neuroscience, 9, 758-775.
- Ziegler, J. C., Montant, M., & Jacobs, A. M., (1997). The feedback consistency effect in lexical decision and naming. Journal of Memory and Language, 37, 533-554.
- Ziegler, J. C., Rey, A., & Jacobs, A. M., (1998). Simulating individual word identification thresholds and errors in the fragmentation task. Memory & Cognition, 26, 490-501.

## 1994 - 1996

- Jacobs, A. M. (1994)\*. On computational theories and multilevel, multitask models of cognition: The case of word recognition. Behavioral and Brain Sciences, 17, 670-672.
- Jacobs, A. M., & Carr, T. H. (1995)\*. Mind mappers and cognitive modelers: Toward cross-fertilization. Behavioral and Brain Sciences, 18, 362-363.
- Jacobs, A. M., & Grainger, J. (1994). Models of visual word recognition: Sampling the state of the art. Journal of Experimental Psychology: Human Perception and Performance, 20, 6, 1311-1334.
- Jacobs, A. M., Grainger, J., & Ferrand, L. (1995). The incremental priming technique: A method for determining within-condition priming effects. Perception & Psychophysics, 57, 1101-1110.
- Jacobs, A. M., & Nazir, T. A. (1994). Evidence for limited capacity parallel models of visual search: A test of the group-processing model of attention. Current Psychology of Cognition, 13, 385-404.
- Grainger, J., & Jacobs, A. M. (1994). A dual-read out model of word context effects in letter perception: Further investigations of the word superiority effect. Journal of Experimental Psychology: Human Perception and Performance, 20, 1158-1176.
- Grainger, J., & Jacobs, A. M. (1996). Orthographic processing in visual word recognition: A multiple read-out model. Psychological Review, 103, 518-565.
- Mialet, J.P., Jacobs, A.M., & Bisserbes, J.C. (1995). Computerized attentional and cognitive efficiency battery: preliminary results. European Journal of Psychological Assessment, 11 (Suppl. 1), 111.
- Mialet J-P, Bisserbe J-C, Jacobs A, Pope HG Jr. (1996). Two-dimensional anxiety. A confirmation using a computerized neuropsychological test of attentional performance. European Psychiatry, 11, 344-352.
- Ziegler, J., & Jacobs, A. M. (1995). Phonological information provides early sources of constraint in the processing of letter strings. Journal of Memory and Language, 34, 567-593.
- Ziegler, J. C., Jacobs, A. M., & Stone, G.O. (1996). Statistical analysis of the bi-directional inconsistency of spelling and sound in French. Behavior Research Methods, Instruments, & Computers, 28, 504-515.

## 1991 – 1993

- Jacobs, A. M. (1991). The Search Operating Characteristic as a tool for analyzing performance in dynamic visual search tasks. Spatial Vision, 5, 269-277.
- Jacobs, A. M., Heller, D., & Nazir, T. A. (1992). Möglichkeiten einer experimentellen Dyslexieforschung auf der Basis der aktuellen Lesepsychologie. Schweizerische Zeitschrift für Psychologie, 51, 26-42.
- Jacobs, A. M., & Grainger, J. (1991). Automatic letter priming in an alphabetic decision task. Perception & Psychophysics, 49, 43-52.
- Jacobs, A. M., & Grainger, J. (1992). Testing a semi-stochastic variant of the interactive activation model in different word recognition experiments. Journal of Experimental Psychology: Human Perception and Performance, 18, 1174-1188.
- Grainger, J., & Jacobs, A. M. (1991). Masked constituent letter priming in an alphabetic decision task. European Journal of Cognitive Psychology, 3, 413-434.
- Grainger, J., & Jacobs, A. M. (1993). Masked partial-word priming in visual word recognition: effects of positional letter frequency. Journal of Experimental Psychology: Human Perception and Performance, 19, 951-964.
- Grainger, J., O'Regan, J. K., Jacobs, A. M., & Segui, J. (1992). Neighborhood frequency effects and letter visibility in visual word recognition. Perception & Psychophysics, 51, 49-56.
- Nazir, T. A., & Jacobs, A. M. (1991). Effects of target discriminability and retinal eccentricity on saccade latencies: an analysis in terms of variable criterion theory. Psychological Research / Psychologische Forschung, 53, 281-289.
- Nazir, T. A., O'Regan, J. K. & Jacobs, A. M. (1991). On words and their letters. Bulletin of the Psychonomic Society, 29, 171-174.



O'Regan, J. K., & Jacobs, A. M. (1992). The optimal viewing position effect in word recognition: a challenge to current theory. Journal of Experimental Psychology: Human Perception and Performance, 18, 185-197.

### 1988 - 1990

Jacobs, A. M., Nazir, T. A., & Heller, O. (1989). Letter perception in peripheral vision: a temporal discrimination matrix using eye movements. Perception & Psychophysics, 46, 95-102.

Grainger, J., O'Regan, J. K., Jacobs, A. M., & Segui, J. (1989). On the role of competing word units in visual word recognition: the neighborhood frequency effect. Perception & Psychophysics, 45, 189-195.

Lévy-Schoen, A., Coëffé, C., & Jacobs, A. M. (1989). Sensory factors are insufficient to define the ocular saccade goal in complex visual fields. Brain, Behavior & Evolution, 33, 80-84.

McConkie, G. W., Kerr, P. W., Reddix, M. D., Zola, D., & Jacobs, A. M. (1989). Eye movement control during reading: II. Frequency of refixating a word. Perception & Psychophysics, 46, 245-253.

### 1983 - 1987

Jacobs, A. M. (1986). Eye movement control in visual search: how direct is visual span control? Perception & Psychophysics, 39, 47-58.

Jacobs, A. M. (1986). Facteurs sensoriels et cognitifs dans l'exploration visuelle. Bulletin de Psychologie, 39, 356-361.

Jacobs, A. M. (1987). On localization and saccade programming. Vision Research, 27, 1953-1966.

Jacobs, A. M. (1987). On the role of blank spaces for eye movement control in visual search. Perception & Psychophysics, 41, 473-479.

Jacobs, A. M. (1989). La sélection des cibles du regard. Annales de la Fondation Fyssen, 4, 49-60.

Jacobs, A. M. & Lévy-Schoen, A. (1987). Les problèmes actuels de la théorie sur le contrôle oculomoteur dans la lecture. Année Psychologique, 87, 55-72.

Jacobs, A. M., & O'Regan, J. K. (1987). Spatial and/or temporal adjustments of scanning behavior to changes in visibility. Acta Psychologica, 65, 133-146.

Coëffé, C., Humbert, R., Jacobs, A. M., & O'Regan, J. K. (1985). Mesure des mouvements oculaires en temps réel. Informatique et Sciences Humaines, 65, 57-72.

O'Regan, J. K., Lévy-Schoen, A., & Jacobs, A. M. (1983). The effect of visibility on eye movement parameters in reading. Perception & Psychophysics, 34, 457-464.

### B. Buchbeiträge (19, davon 13 mit Begutachtung; \* kennzeichnet begutachtete Beiträge)

#### 2003 - 2005

Jacobs, A.M. (2005)\*. Messung der Hirnaktivität. In J. Funke & P. Frensch (Eds.), Handbuch der Allgemeinen Psychologie, Kognition. Göttingen: Hogrefe.

Jacobs, A.M. (in Druck)\*. Kognitive Modellierung und Simulation / „diagram making“. In M. Herrmann & S. Gauggel (Eds.), Handbuch der Neuro- und Biopsychologie. Göttingen: Hogrefe.

Jacobs, A.M. (2003)\*. Simulative Methoden. In G. Rickheit, T. Herrmann & W. Deutsch (Eds.), Handbuch der Psycholinguistik, (pp. 125-142). Berlin: de Gruyter.

#### 2000 – 2002

Jacobs, A.M. (2002)\*. The cognitive psychology of literacy. In N.J. Smelser & P.B. Baltes (Eds.), International Encyclopedia of the Social and Behavioral Sciences (pp. 8971-8975), Amsterdam: Elsevier.

- Jacobs, A.M. (2000)\*. Five questions about cognitive models and some answers from three models of reading. In A. Kennedy, R. Radach, D. Heller, & J. Pynte (Eds.), Reading as a perceptual process (pp. 721-732). Amsterdam: North-Holland.
- Jacobs, A.M. (2000). Computermodellierung gestörter lexikalischer Verarbeitung: Simulation von Legasthenie und Aphasie anhand von Künstlichen Neuronalen Netzwerken. Agora, 32-34.

### 1997 – 1999

- Jacobs, A. M., Rey, A., Ziegler, J. C., & Grainger, J. (1998)\*. MROM-P: An interactive activation, multiple read-out model of orthographic and phonological processes in visual word recognition. In J. Grainger, J. & A.M. Jacobs (Eds.), Localist connectionist approaches to human cognition (pp. 147-187). Mahwah, NJ: Erlbaum.
- Grainger, J., & Jacobs, A. M. (1998)\*. On localist connectionism and psychological science. In J. Grainger, J. & A.M. Jacobs (Eds.), Localist connectionist approaches to human cognition (pp. 1-38). Mahwah, NJ: Erlbaum.

### 1991 – 1993

- Jacobs, A. M. (1993)\*. Modeling the effects of visual factors on saccade latency. In G. d'Ydewalle & J. van Rensbergen (Eds.), Perception & Cognition: Advances in eye movement research (pp. 349 - 361). Amsterdam: North-Holland.
- Jacobs, A. M. (1991)\*. Eye movements in visual search: a test of the limited cognitive effort hypothesis and an analysis of the search operating characteristic. In R. Schmid & D. Zambardi (Eds.), Oculomotor control and cognitive processes - Normal and pathological aspects (pp. 397-410). Amsterdam: Elsevier.
- Jacobs, A. M., Besson, M., & Nazir, T. A. (1993). Modélisation du traitement des mots écrits: le rôle des codes prélexicaux, lexicaux et sémantiques. Actes du Colloque Images et Langages (pp. 153-159). CNRS, Paris.
- Grainger, J., & Jacobs, A. M. (1992). La modélisation de l'identification des mots écrits. Le Courrier du CNRS 79, 14.
- Reiffenrath, D., Heller, D., & Jacobs, A. M. (1991). An examination of the critical ratio hypothesis of search asymmetry. In Proceedings of the 7th Annual Meeting of the International Society for Psychophysics (pp. 75-80), Duke University, Durham.

### 1988 – 1990

- Jacobs, A. M., & Lévy-Schoen, A. (1988)\*. Breaking down saccade latency into central and peripheral processing times in a visual dual task. In G. Lüer, U. Lass & J. Shallo-Hoffmann (Eds.), Eye movement research: Physiological and psychological aspects, (pp. 267-285). Göttingen: Hogrefe.
- Deubel, H., Findlay, J. M., Jacobs, A. M., & Brogan, D. (1988)\*. Saccadic eye movements to targets defined by structure differences. In G. Lüer, U. Lass & J. Shallo-Hoffmann (eds.), Eye movement research: Physiological and psychological aspects (pp. 107-145). Göttingen: Hogrefe

### 1983 – 1987

- Jacobs, A. M. (1987)\*. Toward a model of eye movement control in visual search. In: J. K. O'Regan & A. Lévy-Schoen (Eds.), Eye movements: from physiology to cognition (pp. 275-284). Amsterdam: Elsevier.
- Jacobs, A. M. (1986). Mécanismes indépendants dans la programmation des saccades. Bulletin de la Société Française d'Optique Physiologique, 5, 18-22.
- Jacobs, A. M. (1985). Contraintes sensorielles dans le contrôle oculomoteur. Bulletin de la Société Française d'Optique Physiologique, 4, 2-5.
- Lévy-Schoen, A., O'Regan, J. K., Jacobs, A. M., & Coëffé, C. (1984)\*. The relation between visibility span and eye movements in various scanning tasks. In A. Gale & F. Johnson

(Eds.), Theoretical and applied aspects of eye movement research (pp. 133-142). Amsterdam: Elsevier.

### **C. Bücher und Herausgeberschaften**

- Bartmann, A., Reiffenrath, D., Jacobs, A. M., Leder, H., Walkowiak, M., & Szymkowiak, A. (1993). Sichtabstand bei Fahrten in der Dunkelheit (94 S.). Bremerhaven: Wirtschaftsverlag NW.
- Füsser, K., Jacobs, A. M., & Steinbrecher, J. (1994). Sicherheitsbewertung von Querungshilfen für den Fußgängerverkehr (238 S.). Bremerhaven: Wirtschaftsverlag NW.
- Besson, M., Courrieu, P., Frenck-Mestre, C., Jacobs, A. M., & Pynte, J. (1992). Language perception and comprehension: Multidisciplinary approaches. Proceedings of the Marseille workshop. Marseille: CNRS-LNC.
- Jacobs, A. M., & Grainger, J. (1994) (sect. Eds.). Modeling visual word recognition, Special section of the Journal of Experimental Psychology: Human Perception and Performance, dec. issue.
- Grainger, J., & Jacobs, A. M. (1998). (Eds.) Localist connectionist approaches to human cognition. Mahwah, NJ: Lawrence Erlbaum Associates.
- Lachnit, H., Jacobs, A.M., & Rösler, F. (Eds.). Experimentelle Psychologie: Abstracts der 40. Tagung experimentell arbeitender Psychologen (426 S.). Berlin: Pabst Science Publishers.