

CURRICULUM VITAE

1. Personal Data

Name: Bierman, Dick J.
Address: [blocked private]
Phone: [blocked private]
Birthdate: [blocked private]
Marital Status: Married, 2 children.
Website: <http://home.medewerker.uva.nl/d.j.bierman/>
Email: d.j.bierman@uva.nl

2. Education

age
23 yrs Masters, Experimental Physics, Univ.of Amsterdam
26 yrs Propadeuse, Psychology, Univ.of Amsterdam
28 yrs Ph.D., Experimental Physics, Univ.of Amsterdam

3. Professional career

1965-1967 Student-assistent FOM inst. for Atomic and Molecular Physics. Masters Thesis: *Auger electron emission at metal surfaces.*

1968-1971 Ph.D research program at FOM inst. for Atomic and Molecular Physics, Subject: *Inelastic Energy Losses during Multi-Kev Ion-Atom collisions.*

Experience with advanced Instrumentation and Ultra-high vacuum techniques.

1971-1978

- Head of the Dept. of Instrumentation (8 persons) of the Psychologisch Laboratorium (UvA).
- Experience with production of educational television and Computer Assisted Instruction.

1978-1982

- Technical consultant of the faculty of Psychology (half-time)
- Research and education in the fields of Instrumentation, Process Control, and Educational Technology.

1982-present

- Assistent Professor 'Instrumentation in Psychology' at the dept. of Psychology of the University of Amsterdam. From

'94 also Professor in Parapsychology at Utrecht University.

- 82- 94 : Research into the cognitive aspects of human information processing, esp. learning in relation to Computer assisted Instruction. Research into the development of AI based educational systems.

- Project-manager *A computercoach for Thermodynamics* (SVO-1039, 1983-1986; budget: ~ 200 Kfl)

- Project-manager: *The relation between several forms of computer controlled simulation environments, student characteristics and cognitive effects* (SVO-7015, 1987-1988; budget: ~50 Kfl)

- Project-manager *Large-scale introduction of CAI at the faculty of Psychology*. (UvA stimulation fund; budget: ~ 500 Kfl)

94 - present: • Research on Consciousness and Non Conscious Processes. (topics: Implicit Learning, Intuition, Presentiment, Altered States of Consciousness, Measurement problem in quantum physics)

- Project-manager: Intuition project (Bial 21-02; budget: ~ 30 Keuro)

- Project-Manager: Meditation and presentiment in fMRI (Bial 34-04; budget: ~ 35Keuro)

2000-2001

On leave from the University of Amsterdam: Chief scientist and project-manager *Emotions Consortium* at StarLab, Brussels

INVITED POSITIONS

Jan-March 1982

Invited Research Fellow Psychophysical Research Labs, Princeton, N.J., USA

Jan-March 1992

Invited Professor Intelligent Educational Systems at École Polytechnique Federale de Lausanne, Switzerland

May - June 1996

Invited Lecturer at the University of the South Pacific, Suva, Fiji

August- Sept 1999

Invited senior researcher at Interval Cooperation, Palo Alto, CA, USA

Member of organizing committee CALISCE '94

International Conference on Computer Aided Learning and Instruction in Science and Engineering, Aug.31-Sep.2 1994, Paris.

PUBLICATIONS

Recent key publications

Bierman, D.J. , Destrebecqz, A. and Cleeremans, A. (2005) Intuitive decision making in complex situations: Somatic markers in an artificial grammar learning task, *Cognitive, Affective and Behavioral Neuroscience*, **5-3**, pp. 297–305.

Bierman, D.J. (2003). Does Consciousness Collapse the Wave-Packet? *Mind and Matter* **1(1)**, pp. 45–57.

PSYCHOLOGY (selection)

See for recent years (1997-2005) : <http://m0134.fmg.uva.nl/publications>

Bierman, D.J. (1998). Discussie - Kritische analyse op 'PSI-bewijs' kan veel beter. *Nederlandsch Tijdschrift voor Psychologie*, **53**, 95-99.

Bierman, D.J., Broughton, R.S., & Berger, R.E. (1998). Notes on random target selection: The PRL AutoGanzfeld target and target set distributions revisited. *Journal of Parapsychology*, **62**, 45-54.

Bierman, D.J., Roosen, B. & Ruwaard, J. (1998). On-line Exams, from Intranet to Internet. Proceedings of the International BITE conference (pp.218-228). Maastricht.

Bierman, D.J., & Julien, E.C.G.J. (1997). Een exploratief onderzoek naar het effect van alfa-hersengolftraining door middel van photic stimulation op onthoudingsverschijnselen van alcoholafhankelijken in een klinische setting. *Tijdschrift voor Alcohol, Drugs en Andere Psychotrope Stoffen*, **22**, 65-73.

Bierman, D.J., & Radin, D.I. (1997). Anomalous anticipatory response on randomized future conditions. *Perceptual and Motor Skills*, **84**, 689-690.

Kindt M., Bierman D., & Brosschot J.F. (1997). Cognitive bias in spider phobic and nonphobic children: assessment of emotional interference by a card Stroop and a single-trial Stroop. *Journal of Experimental Child Psychology*, **66**, 163-179.

Gerding, H., Wezelman, R., & Bierman, D.J. (1996). De Drutense Poltergeist. *Tijdschrift voor Parapsychologie*, **64**, (3-4).

- Kindt M., Bierman D., & Brosschot J.F. (1996). Stroop versus Stroop: A comparison of the single-trial and the card format of the modified Stroop task. *Personality and Individual Differences*, 21, 653-662.
- Bierman, D. J. (1995). A free response precognition experiment via the World Wide Web. In N. Zingrone (Ed.), *Proceedings of the 38th Annual Convention of the PA* (pp. 38-42). North Carolina, USA: Durham.
- Bierman, D. J. (1995). The Amsterdam ganzfeld series III & IV: Target clip emotionality, effect sizes and openness. In N. Zingrone (Ed.), *Proceedings of the 38th Annual Convention of the PA* (pp. 27-37). North Carolina, USA: Durham.
- Bierman, D. J. (1995). The PRL autoganzfeld revisited: refuting the sound leakage hypothesis. In N. Zingrone (Ed.), *Proceedings of the 38th Annual Convention of the PA* (pp. 43-47). North Carolina, USA: Durham.
- Bierman, D.J. (1995). Telepathie, flauwekul of doorbraak? *Nederlandsch Tijdschrift voor Psychologie*, 50, 179-182.
- Bierman, D.J., & Wezelman, R. (1995). Parapsychologie en theorie. Wie vraagt er om een witte kraai? *Reactie op Derksen en Draaisma. De psycholoog*, 30, 125-126.
- Balk, V.A., & Bierman, D.J. (1994). TeleCAI: Easy to implement, difficult to adapt to? *Proceedings of the International Conference on Computer Aided Learning and Instruction in Science and Engineering (CALISCE)* (pp. 155-158). Paris: TELECOM.
- Bierman, D. J. (Ed.). (1994). *Proceedings of the P.A. 37th Annual Convention*. Utrecht: SPR.
- Bierman, D. J., & Gelderen, W. J. M. van (1994). Geomagnetic activity and PK on a low and high trial-rate RNG. In D. J. Bierman (Ed.), *Proceedings of the P.A. 37th Annual Convention* (pp. 50-56). Utrecht: SPR.
- Bierman, D. J., & Gerding, J. L. F. (1994). An automated free response self test in the subject's own environment: First results with security measures and a selected subject. In D. J. Bierman (Ed.), *Proceedings of the P.A. 37th Annual Convention* (pp. 43-). Utrecht: SPR.
- Kampen, D. van, Bierman, D. J., & Wezelman, R. (1994). Personality and psi: Unraveling relations between extraversion, agreeableness and openness to experience with Ganzfeld performance. In D. J. Bierman (Ed.), *Proceedings of the P.A. 37th Annual Convention*. Utrecht: SPR.
- Balk, V.A., & Bierman, D.J. (1993). COO brengt Dr. Stat bij studenten aan het bed. *Vakwerk Special*, 2 (edition H), 23.

- Bierman, D.J. (1993). Iedere student een computer: Iedere universiteit een open universiteit. In Wetenschappelijk Technische Raad; Onderwijs en Informatietechnologie (pp. 3-11). Utrecht: SURF.
- Bierman, D.J. (1993). Vrije wil en paranormale verschijnselen - kan het quantum-model dat echt wel `verklaren`? Tijdschrift voor Parapsychologie , 60 , 142-144.
- Bierman, D.J., & Wees, R. van. (1993). Buitengewone ervaringen, andere bewustzijnsvormen en persoonlijkheid. Tijdschrift voor Parapsychologie , 60 , 51-72.
- Bierman, D.J., Bosga, D., Gerding, J.L.F., & Wezelman, R. (1993). Anomalous information access in the Ganzfeld: Utrecht-Novice series I and II. Proceedings of the PA Convention, 36 , 192-204.
- Bierman, D.J., Dongen, H., Gerding, J.L.F. van, & Wezelman, R. (1993). Bewustzijn en parapsychologie: een inleiding. Tijdschrift voor Parapsychologie , 60 , 2-22.
- Balk, V.A., Bierman, D.J., & Horst, H. van der. (1992). Networking for Training. Proceedings of the 7th Canadian Symposium in Instructional Technology.
- Bierman, D.J. (1992). The formalisation of connectedness. Proceedings of the European Conference of the PA , 5 , 5.
- Bierman, D.J. (1992). The impact of new authoring environments on the didactic quality of courseware. In W.J. Zwart (Ed.), Report on the symposium on Didactics and Educational Software (p. 5). Enschede: ECER.
- Bierman, D.J., & Gerding, J.L.E. (1992). Towards a reduction of experimenter control in the study of special subjects. In E.W. Cook (Ed.), Proceedings of the PA-conference (pp. 302-316). Las Vegas:.
- Bierman, D.J., Kamsteeg, P.A., & Sandberg, J.A.C. (1992). Student models, scratchpads, and simulation. In E. Costa (Ed.), New directions for intelligent tutoring systems (pp. 35-105). Berlin: Springer.
- Bierman, D.J. (1991). To be intelligent or not to be intelligent: is that the question? In E.N. Forte (Ed.), Proceedings of the Conference on Computer Aided Learning and Instruction in Science and Engineering (pp. 25-34). Lausanne: Presses Polytechniques et Universitaires Romande.
- Kamsteeg, P.A., & Bierman, D.J. (1991). Relations between forms of computer mediated laboratory exercises, student characteristics, and cognitive learning effect : final report. Amsterdam : Univ van Amsterdam. Stichting Centrum voor Onderwijsonderzoek.

- Kamsteeg, P.A., & Bierman, D.J. (1991). Teacher thinking, student thinking: think aloud protocol analysis in tutoring systems research. In P. Goodyear (Ed.), Teaching knowledge and intelligent tutoring (pp. 187-202). Norwood, NJ: Ablex.
- Veenman, M.V.J., Elshout, J.J., & Bierman, D.J. (1991). Structuredness of learning environments versus individual differences as predictors of learning. In P.A.M. Kommers & D.H. Jonassen (Eds.), Mindtools: Cognitive technologies for modeling knowledge (pp. 227-239). Heidelberg: Springer.
- Bierman, D.J., & Balk, V.A. (1990). A general purpose architecture for traditional CAI using an advanced authoring system. In Proceedings Applica '90 (pp. 1-8). Lille:.
- Horst, H. v.d., Balk, V.A., Bierman, D.J., Kroon, R., & Toneman, M. (1990). A case study of large scale introduction of CAI at the University of Amsterdam. Proceedings Annual Apple European University Consortium (pp. 11-17).
- Balk, V.A., & Bierman, D.J. (1989). Towards a cognitive theory of student cooperation in CAI. Proceedings of the 31st International Conference of ADCIS (pp. 220-222).
- Bierman, D.J., & Winter, O. (1989). Learning during sleep: An indirect test of the Erasure-theory of dreaming. *Perceptual & Motor Skills*, 69, 139-144.
- Bierman, D.J., Breuker, J., & Sandberg, J. (Eds.). (1989). Artificial intelligence and education : Proceedings of the 4th international conference on AI and education, 24-26 May 1989, Amsterdam, Netherlands. Amsterdam: IOS.
- Jaspers, J., Bierman, D.J., Kamsteeg, P.A., & Kunst, H. (1989). Moeilijk is lastig, of: kan een expertsysteem moeilijkheid schatten? In F. Pijls & J.A.C. Sandberg (Eds.), *De computer als expert en didacticus* (pp. 38-50). Muiderberg: Coutinho.
- Kamsteeg, P.A., & Bierman, D.J. (1989). Het beeldscherm als kladblok. In F. Pijls & J.A.C. Sandberg (Eds.), *De computer als expert en didacticus* (pp. 129-139). Muiderberg: Coutinho.
- Veenman, M.V.J., Balk, V.A. & Bierman, D.J. (1989). Dr.Stat, een grootschalig computer ondersteund onderwijsprogramma voor statistiek. In J.G. Bethlehem, G.A.M. Eilers, H.C.M. van der Knaap, J.N. Visser, & R.D. Gill (Eds.), *Symposium Statistische Software 1989: Grafische technieken in statistische programmatuur* (pp. 55-68). Voorburg: CBS.
- Veenman, M.V.J., Balk, V.A., & Bierman, D.J. (1989). Dr.Stat, Computer ondersteund onderwijs in de statistiek. *Tijdschrift voor Economisch Onderwijs*, 3, 65-70.

- Veenman, M.V.J., Elshout, J.J., & Bierman, D.J. (1989). Structured and unstructured approaches to simulation: What do the students think? Proceedings of the Canadian Symposium on Instructional Technology , 6 , 457-461.
- Bierman, D.J. (1988). A methodology for the development of a knowledge based judging system in free response materials. In D.H. Weiner & R.L. Morris (Eds.), Research in Parapsychology (pp. 121-124). London: Scarecrow Press.
- Bierman, D.J. (1988). A world with retrocausation. Systematica , 6 (7) , 45-54.
- Bierman, D.J. (1988). Computers in het basisonderwijs, eerst denken dan doen. Computers & Psychologie , 5 (4) , 10-15.
- Bierman, D.J. (1988). Explorations of some theoretical frameworks using a new PK-test environment. In D.H. Weiner & R.L. Morris (Eds.), Research in parapsychology (pp. 9-13). London: Scarecrow Press.
- Bierman, D.J. (1988). Intelligent authoring systems, do they exist? Wheels for the Mind Europe , 2 , 7-13.
- Bierman, D.J. (1988). Intelligent authoring systems, towards better courseware. In T. Reeves (Ed.), Proceedings of the ADCIS-Soviet Academy of Sciences Conference (pp. 31-40). Bellingham: ADCIS.
- Bierman, D.J., & Kamsteeg, P.A. (1988). Elicitation of knowledge with and for intelligent tutoring systems. International Journal of Educational Research , 12 , 799-809.
- Bierman, D.J. (1987). A methodology for the development of knowledge based judging systems for free response materials. Proceedings of the Annual Convention of the Psychical Association , 30 , 210-220.
- Bierman, D.J. (1987). A test on possible implications of the OT's for Ganzfeld research. European Journal of Parapsychology , 7 (1), 1-11.
- Bierman, D.J. (1987). Explorations of some theoretical frameworks using a new PK-test environment. Proceedings of the Annual Convention of the Psychical Association , 30 , 31-51.
- Bierman, D.J. (1987). Knowledge acquisition, the basic problem with regard to intelligent tutoring systems. In Abstracts of the 5th Congress of EARDHE: Higher education and new technology (p. 7).
- Bierman, D.J. (1987). `Intelligent` tutoring systems in The Netherlands. In H. Mandl (Ed.), Abstracts of the European Seminar on Intelligent Tutoring Systems (p. 8). Tübingen: Universität Tübingen.

- Bierman, D.J., & Akkerman, A.E. (1987). The development of knowledge based psychodiagnostic systems. In F. Maarse (Ed.), Proceedings of the 2nd Workshop on Computers in Psychology (pp. 34-40). Lisse: Swets & Zeitlinger.
- Bierman, D.J., & Kamsteeg, P.A. (1987). A methodology for the development of `intelligent` educational systems. In C. Schwarzer & B. Seipp (Eds.), Trends in European educational research (pp. 153-166). Düsseldorf.
- Bierman, D.J., & Kamsteeg, P.A. (1987). De ontwikkeling van een `intelligent` computer gestuurd onderwijssysteem. Pedagogische Studieën , 64 (9) , 335-343.
- Bierman, D.J. (1986). Intelligent simulation environments in education. Proceedings of the 7th European Conference on Artificial Intelligence (part 2, pp. 84-90). Brighton: ECAI.
- Bierman, D.J., & Anjewierden, A.A. (1986). The use of a graphic scratch pad for students in ICAI. Proceedings of the 27th Conference of the Association for the Development of Computerbased Instructional Systems (pp.68-71). Washington: Association for the Development of Computerbased Instructional Systems.
- Bierman, D.J., & Kamsteeg, P.A. (1986). Het monitoren van het gewenste handelingsverloop met behulp van een intelligente computercoach. In P.W. Verhagen & B.J. Wielinga (Eds.), Media in het onderwijs (pp. 21-32). Lisse: Swets & Zeitlinger.
- Bierman, D.J. (1985). A retro and direct PK test for babies with the manipulation of feedback: A first trial of independent replication using software exchange. European Journal of Parapsychology , 5, 373-390.
- Bierman, D.J. (1985). An impossible artifact. European Journal of Parapsychology , 6 (1), 99-103.
- Bierman, D.J. (1985). Physics and parapsychology. Journal of Indian Psychology , 4(2), 27-42.
- Bierman, D.J. (1985). Psychodiagnostiek m.b.v. kunstmatige intelligentie programma`s. Psychologie en Computer , 2 (2) , 1-5.
- Bierman, D.J., & Kamsteeg, P.A. (1985). Ontwikkeling en problemen van kennisgestuurde onderwijssystemen. In H.J. Breimer & E.J.W.M. van Hees (Eds.), Technologie en het onderwijs: Bijdragen aan de Onderwijs Research Dagen 1984 (pp. 47-62). Lisse: Swets & Zeitlinger.
- Bierman, D.J. (1984). Kunstmatige intelligentie onderzoek en studie van paranormale verschijnselen. Tijdschrift voor Parapsychologie , 52 (1), 37-53.

Bierman, D.J., & Weiner, D.H. (1980). A preliminary study of the effect of data destruction on the influence of future observers. *Journal of Parapsychology* , 44, 233-243.

PHYSICS

Snoek, C., Geballe, R., v.d. Weg, W.F., Rol, P.K. and Bierman, D.J. (1965). Structure in the electron energy spectrum from multi-keV Ar⁺ - Au and Ar⁺ - Cu collisions. *Physica* 31, 1553-1556.

v.d. Weg, W.F. and Bierman, D.J. (1968). Multiple collisions of Ar and Cu atoms on a Cu surface. *Physica* 38, 406-408.

v.d. Weg, W.F. and Bierman, D.J. (1969). Excitation of Cu Atoms by Ar ions and subsequent radiationless deexcitation of scattered particles near a Cu surface. *Physica* 44, 206-218.

v.d. Weg, W.F. and Bierman, D.J. (1969). Collisions of Ar⁺ ions with surface Cu atoms and charge exchange of scattered ions near the metal surface. *Physica* 41, 177-205.

v.d. Weg, W.F., Bierman, D.J. and Onderdelinden, D. (1969). Collisions of Ar⁺ ions with Cu atoms in the vapour phase. *Physica* 44, 161-176.

Winter, G.J.M., Bierman, D.J. and v.d. Weg, W.F. (1970). Electron capture by multiply charged ions. *Phys. Rev. Letters* 31A, 170-171.

Bierman, D.J., v.d. Weg, W.F., Snoek, C. and Onderdelinden, D. (1970). Energy spectra of electrons arising from heavy-particle collisions in the keV region. *Physica* 44, 244-250.

Bierman, D.J. and Turkenburg, W.C. (1970). Inelastic energy-loss structure in nonviolent heavy-atom collisions. *Phys. Rev. Letters* 25-10, 633-635.

Saris, F.W. and Bierman, D.J. (1971). The influence of outer-shell excitation on the X-ray production of ion-atom collisions. *Phys. Letters* 35A, 199-200.

Bierman, D.J. and v. Vliet, D. (1972). Inelastic Energy losses in gases and electronic stopping powers in solids. *Physica* 57, 221-236.

Bierman, D.J. and Turkenburg, W.C. (1972). Inelastic Energy losses in small-angle scattering of energetic particles. *Physica* 60, 357-374.

Bierman, D.J. (1972). Inelastic Energy Losses during Multi keV Ion-Atom collisions. Thesis. University of Amsterdam.

Bierman, D.J. and Turkenburg, W.C. (1973). Inelastic Non-violent heavy-atom collisions. *Physica* 67, 533-563.

HOBBIES

Boating, Saxophone, Tennis, Reading