EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**HENDRIK PIETER BARENDREGT**

WORK EXPERIENCE

• Dates (from - to)	**1986 - PRESENT**
• Name and address of the employer	Radboud University, Nijmegen, The Netherlands
• Type of business or sector	Foundations of Mathematics and Computer Science
• Occupation or position held	Emeritus professor
• Dates (from - to)	**1972 - 1986**
• Name and address of the employer	Utrecht University
• Occupation or position held	Assistant and associate professor

EDUCATION AND TRAINING

• Dates (from - to)	**2006**
• Principal subjects/occupational skills covered	Meditation
• Title of qualification awarded	qualified with 13 other senior meditation students to teach vipassana in the style of Mahasi Sayadaw
• Dates (from - to)	**1977 - 2006**
• Name and type of organisation providing education and training	Netherlands
• Principal subjects/occupational skills covered	Studied Vipasssana meditation with Phra Mettavihari
• Dates (from - to)	**1972 - 1979**
• Name and type of organisation providing education and training	California
• Principal subjects/occupational skills covered	studied from 1972 to 1979 Zen meditation with Kobun Chino Roshi
• Dates (from - to)	**1971 - 1972**
• Name and type of organisation providing education and training	Stanford University
• Title of qualification awarded	Post Doc

• Dates (from - to)	**1969 - 1971**
• Name and type of organisation providing education and training	Utrecht University
• Principal subjects/occupational skills covered	Mathematical logic.
	Title Thesis: Some extensional term models for λ-calculi and combinatory logics. Supervisors: Prof. Dr. D. van Dalen, Prof. Dr. G. Kreisel (Stanford).
• Title of qualification awarded	PhD, cum laude
• Dates (from - to)	**1965 - 1968**
• Name and type of organisation providing education and training	Utrecht University
• Principal subjects/occupational skills covered	Mathematics
• Title of qualification awarded	Master Degree, cum laude
• Dates (from - to)	**1952 - 1965**
• Name and type of organisation providing education and training	Montessori kindergarten, elementary school and Gymnasium-β.

STANFORD, DARMSTAD (TU), ZÜRICH (ETH), KYOTO, SIENA, WOLLONGONG, PARIS (ÉCOLE NORMALE SUPÉRIEURE), PITTSBURGH (CMU), EDINBURGH (HERIOT WATT UNIVERSITY)

VISITING POSITIONS (SELECTION)

1997. PERSONAL RESEARCH BUDGET NIJMEGEN UNIVERSITY, 3M GUILDER.

2002. KNIGHT IN THE ORDER OF THE DUTCH LION.

PRIZES

2003. SPINOZA PRIZE, 1.5M EURO.

2012/2013. DISTINGUISHED LORENTZ FELLOW AWARDED BY LEIDEN UNIVERSITY, DUTCH NATIONAL SCIENCE FOUNDATION, AND THE NETHERLANDS INSTITUTE OF ADVANCED SCIENCE.

2015. DOCTORATE HONORIS CAUSA AT HERIOT WATT UNIVERSITY (EDINBURGH).

1992. ACADEMIA EUROPAEA.

1996. KONINKLIJKE HOLLANDSCHE MAATSCHAPPIJ DER WETENSCHAPPEN.

MEMBERSHIPS

1997. KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN.

PUBLICATIONS

BOOKS:
The lambda calculus, its syntax and semantics, Elsevier 1981.
Russian translation, MIR 1985. Chinese translation, Nanjing University Press 1992.
Lambda calculus with types, Cambridge University Press, 2013.
Written with Wil Dekkers and Richard Statman.

RECENT PAPERS:
The Two Arrows of Pain: Mechanisms of Pain Related to Meditation and Mental States of Aversion and Identification, Valentina Nicolardi, Luca Simione, Domenico Scaringi, Peter Malinowski, Juliana Yordanova, Vasil Kolev, Federica Mauro, Fabio Giommi, Henk Barendregt, Salvatore M. Aglioti, Antonino Raffone, [2022]. Mindfulness, 28.

Global workspace models in a broader perspective, A Raffone & H Barendregt [2020] in M Overgaard, J Mogensen & A Kirkeby-Hinrup: Beyond Neural Correlates of Consciousness, Routledge, London, 104-130.

Republication of "Some extensional term models for combinatory logics and lambda-calculi: motivation, the making of, 2020 hindsigh", HP Barendregt [2020], Kindle Direct Publishing.

The gems of Corrado Böhm H Barendregt [2020] Logical methods in Computer Science, 16(3), 15:1-15:28.

Fixed point theorems for precomplete numberings, HP Barendregt and SA Terwijn, [2019], Annals of Pure and Applied Logic, 170, 1151-1161.

Dance of the starlings in: *Raymond Smullyan on Self-reference*, H.P. Barendregt, J. Endrullis, J.W. Klop, J. Waldmann [2018] Eds M. Fitting and B. Rayman, Springer, 67-111.

Statman's Hierarchy Theorem, Bram Westerbaan, Bas Westerbaan, R Kuyper, C Tankink, R Viehoff, H Barendregt Logical Methods in Computer Science 2017, 13(4).

Automata Theoretic Account of Proof Search, A. Schubert, W. Dekkers, H.P. Barendregt in: 24th *EACSL Annual Conference on Computer Science Logic*, Ed. S. Kreutzer, Leibniz International Proceedings in Informatics (LIPIcs) 41, 2015, 128-143.

Computerising Mathematical Text, F. Kamareddine, J. Wells, C. Zengler, H. Barendregt in: D.M. Gabbay, J.H. Siekmann, J. Woods (eds.), Computational Logic, North Holland, 2014, 343-398.

An Ontology of States. A Polonsky and HP Barendregt. In: *The Beauty of Functional Code - Essays Dedicated to Rinus Plasmeijer on the Occasion of His 61st Birthday*. Edited by P. Achten and P. W. M. Koopman. Springer. 2013. 18-26.

Conscious cognition as a discrete, deterministic, and universal Turing Machine process. HP Barendregt and A. Raffone. In: *The Selected works of A.M. Turing*. Edited by B. Cooper and J. van Leeuwen. Elsevier, 2013, 92-97.

The imperative and functional programming paradigm. HP Barendregt and G Manzonetto and R. Plasmeijer. In: *The Selected works of A.M. Turing* . Edited by B. Cooper and J. van Leeuwen. Elsevier, 2013, 121-126.

Foundations of Mathematics from the Perspective of Computer Mathematics. HP Barendregt. In: *Mathematics, Computer Science, and Logic - A Never Ending Story, The Bruno Buchberger Festschrift*. Ed P Paule, Springer, 2013, 1-49.

Het bewustzijnsmodel van N.G. de Bruijn. HP Barendregt, *Nieuw Archief voor Wiskunde* 5(14), 2013, 42-45.

Reflection in the Chomsky hierarchy. HP Barendregt and V Capretta and D. Kozen, *Journal of Automata, Languages and Combinatorics,* 18 (1), 2013, 53-60.

Turing's contributions to lambda calculus. HP Barendregt **and** G Manzonetto, In: *The Selected works of A.M. Turing*. Eds B Cooper and J van Leeuwen, Elsevier, 2013, 139-143.

Loader and Urzyczyn are Logically Related, S Salvati and G Manzonetto, M Gehrke and HP Barendregt, In: *Automata, Languages, and Programming - 39th International Colloquium, ICALP 2012,* LNCS 7392. Eds A Czumaj, K Mehlhorn, AM Pitts, and R Wattenhofer, 2012, 364-376.

Reasoning about Constants in Nominal Isabelle, or how to Formalize the Second Fixed Point Theorem. C Kaliszyk and HP Barendregt. *Proc. of the First International*

Conference on Certified Programs and Proofs. Eds JP Jouannaud and Zhong Shao. Springer, 2011, 87-102.

Applications of infinitary lambda terms. HP Barendregt and JW Klop, *Information and Computation* 207, 2009, 559-582.

Proofs of correctness in Mathematics and Industry. HP Barendregt. In: *Wiley Encyclopedia of Computer Science and Engineering.* Ed BW Wah. Wiley, 2009, 2284-2290.

Towards the range property for the lambda theory H. HP Barendregt. In: *Calculi, Types and Applications Essays in honor of M. Coppo, M. Dezani-Ciancaglini and S. Ronchi Della Rocca.* Eds. Stefano Berardi and Ugo de' Liguoro. *Theoretical Computer Science* 398, Elsevier, 2008, 12-15.