

THE SCIENTIFIC FAMILY TREE OF WILLEM R. VAN ZWET

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Willem van Zwet had 16 PhD students, 15 as supervisor (promotor in Dutch) and one as co-supervisor, and what I have tried to do is to get a complete list of the members of his scientific family up to 20 February 2000. By “A is a member of Willem van Zwet’s scientific family”, I mean that A can trace his “scientific ancestry” back to Willem van Zwet through (co-)promotors.

1 Introduction

The family members are listed by generation (with the PhDs of W.R. van Zwet as the first generation), within each generation by PhD-thesis supervisor (promotor in Dutch) and, for the PhDs of a given supervisor, in decreasing order of age. Further, for a given generation, the supervisors are listed in decreasing order of their own supervisors age and, in case two of them have the same supervisor, in decreasing order of their own age. In determining the age of a PhD, the date (year) of obtaining his/her PhD degree is taken as his/her birthday (birthyear). For each person in the list, his/her thesis title as well as the date on which he/she defended his/her thesis (or the year in which the degree was granted) is given. The university mentioned in the heading of each sub-list is, unless otherwise mentioned, the one at which the students in that sub-list received their degrees.

Note that, because students may have more than one tree-member as (co-)promotor, some PhDs are listed several times - once for each of their (co-)promotors who is a tree-member. In case the several (co-)promotors are not of the same generation, these multiply-listed PhDs show up in more than one generation. For such multiply-listed PhDs who are themselves (co-)promotors, the generation number of their PhDs is taken as “the lowest generation number among their (co-)promotors + 1”.

The table of contents lists all those in the tree who have been (co-)promotors, with mention of the generation number of their PhDs (i.e., their own number + 1), the number of PhD students they had up to now, as well as the numbers of the sections in which their PhDs are listed.

The total number of tree members (inclusive van Zwet) is 145 and of those 23 have been (co-)promotors of members of van Zwet’s tree.

My thanks to all who helped me assemble the data.

2 Overview

Generation	Promotor	# of PhDs	section
1	W.R. van Zwet	16	3
2	J. Oosterhoff	8	4
	W. Molenaar	60	5
	F.H. Ruymgaart	6	6
	W. Albers	6	7
	M.C.A. van Zuijlen	3	8
	R. Helmers	1	9
	C.A.J. Klaassen	5	10
	R.J.M.M. Does	5	11
	S.A. van de Geer	1	12
3	W.C.M. Kallenberg	6	13
	P. Groeneboom	8	14
	R.D. Gill	14	15
	P.D. Bezemer	3	16
	F.C. Drost	1	17
	M.N.M. van Lieshout	1	18
	K. Sijtsma	4	19
	J.A.M. van Druten	1	20
	J.H.H. Einmahl	3	21
	J.A. Beirlant	2	22
	Tj. Imbos	1	23
4	L.C. van der Gaag	1	24
	M.J. van der Laan	2	25

3 First Generation: PHD Students of W.R. van Zwet

3.1 Rijksuniversiteit Leiden, The Netherlands

J. Oosterhoff	26/6/1969	Combination of one-sided statistical tests
W. Molenaar	6/5/1970	Approximations to the Poisson, binomial and hypergeometric distribution functions (co-promotor with J. Hemelrijk as promotor)
F.H. Ruymgaart	30/5/1973	Asymptotic theory of rank tests for independence
W. Albers	27/6/1974	Asymptotic expansions and the deficiency concept in statistics
J.L. Mijnheer	2/9/1974	Sample path properties of stable processes (promotors: J. Fabius and W.R. van Zwet)
M.C.A. van Zuijlen	15/12/1976	Empirical distributions and rank statistics
R. Helmers	13/12/1978	Edgeworth expansions for linear combinations of order statistics
C.A.J. Klaassen	22/10/1980	Statistical performance of location estimators
R.J.M.M. Does	16/6/1982	Higher order asymptotics for simple linear rank statistics
A.W. van der Vaart	4/6/1987	Statistical estimation in large parameter spaces (co-promotor: C.A.J. Klaassen)
S.A. van de Geer	30/9/1987	Regression analysis and empirical processes (promotors: R.D. Gill and W.R. van Zwet)
M.C.M. de Gunst	2/3/1988	A random model for plant cell population growth (promotors: K.R. Libbenga and W.R. van Zwet)

H. Putter	23/11/1994	Consistency of resampling methods
M. Wegkamp	26/6/1996	Entropy methods in statistical estimation (co-promotor: S.A. van de Geer)
C.G.H. Diks	25/9/1996	On nonlinear time series analysis (promotors: F. Takens and W.R. van Zwet)
M. Fiocco	15/10/1997	Statistical estimation for the supercritical contact process

4 Second Generation: PHD Students of J. Oosterhoff

4.1 Vrije Universiteit Amsterdam, The Netherlands

W.C.M. Kallenberg	14/12/1977	Asymptotic optimality of likelihood ratio tests in exponential families
P. Groeneboom	14/6/1979	Large deviations and asymptotic efficiencies
R.D. Gill	20/12/1979	Censoring and stochastic integrals (co-promotor: C.L. Scheffer)
P.D. Bezemer	8/5/1981	Referentiewaarden (co-promotor with Chr.L. Rümke as promotor)
A.D.M. Kester	22/6/1983	Some large deviation results in statistics (co-promotor: W.C.M. Kallenberg)
B.F. Schriever	21/6/1985	Order dependence (co-promotor: R.D. Gill)
F.C. Drost	7/10/1987	Asymptotics for generalized chi-square goodness-of-fit tests (co-promotor: W.C.M. Kallenberg)
M.N.M. van Lieshout	7/4/1994	Stochastic geometry models in image analysis and spatial statistics (co-promotor with A.J. Baddeley as promotor)

5 Second Generation: PHD Students of W. Molenaar

5.1 Rijksuniversiteit Groningen, The Netherlands

F.P.H. Dijksterhuis	21/6/1973	De gevangenis Bankenbos II (co-promotor with W. Buikhuisen as promotor)
H. van der Laan	13/12/1973	Leren lezen, schrijven en rekenen (co-promotor with W.J. Bladergroen as promotor)
H.L.W. Angenent	20/6/1974	Opvoeding, persoonlijkheid en gezinsverhoudingen in verband met kriminaliteit (co-promotor with W. Buikhuisen as promotor)
R. van der Kooy	14/10/1974	Spelen met Spel (co-promotor with W.J. Bladergroen as promotor)
G.J.P. Visser	8/10/1975	Luxatie-fracturen van de enkel (promotors: P.J. Kuijjer and W. Molenaar)
H. Cohen	9/10/1975	Drugs, druggebruikers en drug-scene (co-promotor with W. Buikhuisen as promotor)
N.A.J. Lagerweij	9/12/1976	Handleidingen in het onderwijs (co-promotor with L. van Gelder as promotor)
G.G.H. Jansen	24/11/1977	An application of Bayesian statistical methods to a problem in educational measurement (promotors: W. Molenaar and W.K.B. Hofstee)
J.M.F. ten Berge	15/12/1977	Optimizing factorial invariance (promotor: J.P. van de Geer; co-promotors: W.K.B. Hofstee and W. Molenaar)

L. Dijkstra	19/1/1978	Ontvouwning. Over het afbeelden van rangordes van voorkeur in ruimtelijke modellen (promotors: I. Gadourek and W. Molenaar)
F.B. Brokken	22/6/1978	The language of personality (co-promotor with W.K.B. Hofstee as promotor)
K.M. Stokking	21/6/1979	Toetsend onderzoek (co-promotor: L.W. Nauta)
P. Vijn	10/1/1980	Prior information in linear models
H.H. de Vos	13/3/1980	Het meten van werkoriëntaties, een vergelijking van verschillende technieken voor het meten van houdingen (co-promotor: I. Gadourek)
Tj. Tijmstra	24/4/1980	Sociologie en tandheelkunde (co-promotor with I. Gadourek as promotor)
H. Kuyper	29/5/1980	About the saliency of social comparison dimensions (promotors: H.A.M. Wilke and W. Molenaar)
T.P.B.M. Suurmeijer	16/12/1980	Kinderen met epilepsie (promotors: Th.J. IJzerman and W. Molenaar)
R. de Groot	27/8/1981	Adolescenten met leerproblemen in het LBO (co-promotor with W.J. Bladergroen as promotor)
R. Nauta	24/9/1981	Studie politiek cultuur (promotors: P.J. van Strien and W. Molenaar)
H.H. van der Molen	28/4/1983	Pedestrian ethology (co-promotor with J.A. Michon as promotor)
A. Boomsma	23/6/1983	On the robustness of LISREL (maximum likelihood estimation) against small sample size and non-normality
T.J. Euverman & A.A. Vermulst	3/11/1983	Bayesian factor analysis
R. Popping	15/12/1983	Overeenstemmingsmaten voor nominale data (promotors: F.N. Stokman and W. Molenaar)
B.F. van der Meulen & M.R. Smrkovsky	23/2/1984	Bayley ontwikkelingsschalen (promotors: A.F. Kalverboer and W. Molenaar)
P.F. Lourens	24/5/1984	The formalization of knowledge by specification of subjective probability distributions (promotors: W. Molenaar and W.K.B. Hofstee)
A. de Jong	13/9/1984	Over psychiatrische invaliditeit (promotors: R. Giel and W. Molenaar)
J. Geersing	4/10/1984	Leiding & Participatie in het werk (promotors: P.J. van Strien, W. Molenaar and P. Veen)
H. van Schuur	13/12/1984	Structure in political beliefs. A new model for stochastic unfolding with application to European Party activists (promotors: F.N. Stokman and W. Molenaar)
J. Ax	9/5/1985	Planningsgedrag van leraren. Een empirisch onderzoek naar de onderwijsplanning door leraren in het voortgezet onderwijs (promotors: H.P.M. Creemers, W. Molenaar and N.A.J. Lagerweij)
H.J.A. Schouten	20/11/1985	Statistical measurement of interobserver agreement. Analysis of agreements and disagreements between observers (promotors: R. van Strik and W. Molenaar)
F.E. Zegers	11/12/1986	A general family of association coefficients (promotors: W. Molenaar and W.K.B. Hofstee)
M. Kompier	31/3/1988	Arbeid en gezondheid van stadsbuschauffeurs (promotors: G. Mulder, F.J.H. van Dijk and W. Molenaar)

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| K. Sijtsma | 2/6/1988 | Contributions to Mokken's nonparametric item response theory (co-promotor: P.J.D. Drenth) |
| P. Terlouw | 20/4/1989 | Subjective probability distributions, a psychometric approach (promotors: W. Molenaar and W.K.B. Hofstee) |
| Y.J. Pijl | 31/8/1989 | Het toelatingsonderzoek in het LOM- en MLK-onderwijs (promotors: B.P.M. Creemers, W. Molenaar and J. Rispens) |
| T.C.W. Luijben | 30/11/1989 | Statistical guidance for model modification in covariance structure analysis |
| W. Schoonman | 21/12/1989 | An applied study on computerized adaptive testing (promotors: W. Molenaar and W.K.B. Hofstee) |
| H.J.A. Hoijtink | 7/6/1990 | PARELLA, Measurements of latent traits by proximity items |
| I. van Kamp | 6/9/1990 | Coping with noise and its health consequences (promotors: G. Mulder and W. Molenaar) |
| G.I.J.M. Kempen | 25/10/1990 | Thuiszorg voor ouderen (promotors: W.J.A. van den Heuvel and W. Molenaar) |
| J.A. Laros & P.J. Tellegen | 2/1991 | Construction and validation of the SON-R 5 $\frac{1}{2}$ -17, the Snijders-Oomen non-verbal intelligence test (promotors: W.K.B. Hofstee, T.A.B. Snijders and W. Molenaar) |
| T.F. Meijman | 25/4/1991 | Over vermoeidheid (promotors: G. Mulder, W. Molenaar and Hk. Thierry) |
| H. Meurs | 19/9/1991 | A panel data analysis of travel demand (promotors: T.J. Wansbeek, G. Ridder and W. Molenaar) |
| W.J. Post | 7/5/1992 | Nonparametric unfolding models. A latent structure approach (promotors: T.A.B. Snijders and W. Molenaar) |
| P. Cavalini | 22/10/1992 | It is an ill wind that brings no good (promotors: C.A.J. Vlek and W. Molenaar) |
| R. Festa | 12/11/1992 | Optimum inductive methods. A study in inductive probability, Bayesian statistics, and verisimilitude (first promotor T.A.F. Kuipers, second promotor promotor W. Molenaar) |
| M.A.J. van Duijn | 4/2/1993 | Mixed models for repeated count data (promotors: T.A.B. Snijders and W. Molenaar) |
| J. van Lenthe | 16/9/1993 | ELI. The use of proper scoring rules for eliciting subjective probability distributions (promotors: W. Molenaar and W.K.B. Hofstee) |
| R.R. Meijer ¹ | 17/1/1994 | Nonparametric Person Fit Analysis (promotors: W. Molenaar and P.J.D. Drenth, co-promotor: K. Sijtsma) |
| W.R.E.H. Mulder-Hajonides van der Meulen | 2/11/1994 | Categories or dimensions ? The use of diagnostic models in psychiatry (promotors: W. Molenaar and R.H. van den Hoofdakker) |
| P.M. van der Lubbe | 11/12/1995 | De ontwikkeling van de Groningse vragenlijst over sociaal gedrag (GVSG) (promotors: R.Giel and W. Molenaar) |
| E.P.W.A. Jansen | 4/4/1996 | Curriculumorganisatie en studievoortgang (promotors: W.T.J.G. Hoeben and W. Molenaar) |

P. de Kort	22/5/1996	Neglect (promotors: J.M. Minderhoud, B.G. Deelman and W. Molenaar)
B.T. Hemker ²	27/9/1996	Unidimensional IRT models for polytomous items, with results for Mokken scale analysis (promotors: P.G.M. van der Heijden and W. Molenaar; co-promotor: K. Sijtsma)
R.I. Gál	29/5/1997	Unreliability. Contract discipline and contract governance under economic transition (promotors: S.M. Lindenberg and W. Molenaar)
A. Camstra	7/5/1998	Cross-validation in covariance structure analysis
J.M.E. Huisman	4/2/1999	Item nonresponse: Occurrence, causes, and imputation of missing answers to test items

6 Second Generation: PHD Students of F.H. Ruymgaart

6.1 Katholieke Universiteit Nijmegen, The Netherlands

M.J.M. Jansen	25/6/1981	Equilibria and optimal threat strategies in two-person games (co-promotor: T.E.S. Raghavan)
J.A.M. van Druten	1/10/1981	A mathematical-statistical model for the analysis of cross-sectional serological data with special reference to the epidemiology of malaria (co-promotor with J.H.E.Th. Meuwissen as promotor)
J.H.J. Einmahl	16/5/1986	Multivariate empirical processes (co-promotor: D.M. Mason)
G. Nieuwenhuis	12/6/1989	Asymptotics for point processes and general linear processes (co-promotor: W. Vervaat)

6.2 Texas Technical University, Lubbock, USA

A.K. Dey	8/1994	Cross-validation for parameter selection in statistical inverse estimation problems
K. Chandrawansa	12/1997	Statistical inverse estimation of irregular input signals

7 Second Generation: PHD Students of W. Albers

7.1 Rijksuniversiteit Limburg, Maastricht, The Netherlands

L.W.G. Strijbosch	21/4/1989	Experimental design and statistical evaluation of limiting dilution assays (co-promotor: R.J.J.M. Does)
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7.2 Universiteit Twente, Enschede, The Netherlands

C.A.W. Glas ³	12/10/1989	Contributions to estimation and testing Rasch models (promotors: W.J. van der Linden and W. Albers)
A.J. Koning	8/3/1991	Stochastic integrals and goodness-of-fit tests (assistant-promotor: J.H.J. Einmahl)
G.D. Otten	23/6/1995	Statistical test limits in quality control (assistant-promotor: W.C.M. Kallenberg)
G.R.J. Arts	12/6/1998	Test limits in quality control using correlated product characteristics (assistant-promotor: W.C.M. Kallenberg)

¹Degree obtained at the Vrije Universiteit van Amsterdam, The Netherlands.

²Degree obtained at the Rijksuniversiteit Utrecht, The Netherlands. The degree was awarded *cum laude*.

P.C. Boon 17/12/1999 Asymptotic behavior of pre-test procedures (assistant-promotor: W.C.M. Kallenberg)

8 Second Generation: PHD Students of M.C.A. van Zuijlen

8.1 Katholieke Universiteit Leuven, Belgium

J.A. Beirlant 1984 Eigenschappen van de empirische verdelingfunctie en het empirisch proces van toevalsafstanden en asymptotische theorie van hierop gebaseerde statistische functionalen (co-promotor with E.C. van der Meulen as promotor)

8.2 Katholieke Universiteit Nijmegen, The Netherlands

T. van der Meer 12/6/1995 Applications of operators in nearly unstable models (co-promotor with W.Th.F. den Hollander as promotor)

I. Alberink 26/1/2000 Berry-Esseen bounds for arbitrary statistics (co-promotor with W.Th.F. den Hollander as promotor)

9 Second Generation: PHD Students of R. Helmers

9.1 Erasmus Universiteit Rotterdam, The Netherlands

A.L.M. Dekkers 14/11/1991 On extreme-value estimation (co-promotor with L. de Haan as promotor)

10 Second Generation: PHD Students of C.A.J. Klaassen

10.1 Rijksuniversiteit Leiden, The Netherlands

A.W. van der Vaart 4/6/1987 Statistical estimation in large parameter spaces (co-promotor with W.R. van Zwet as promotor)

10.2 Universiteit van Amsterdam, The Netherlands

S.A. Venetiaan 6/12/1994 Bootstrap bounds

E.R. van den Heuvel 21/5/1996 Bounds for statistical estimation in semiparametric models

W.J.H. Stortelder 12/3/1998 Parameter estimation in nonlinear dynamic systems (co-promotor with P.W. Hemker as promotor)

A.J. Lenstra 26/3/1998 Analyses of the nonparametric mixed proportional hazards model (promotors: C.A.J. Klaassen, G. Ridder and A.C.M. van Rooij)

11 Second Generation: PHD Students of R.J.M.M. Does

11.1 Rijksuniversiteit Limburg, Maastricht, The Netherlands

Tj. Imbos 17/2/1989 Het gebruik van einddoeltoetsen bij aanvang van de studie (co-promotor with W.H.F.W. Wijnen as promotor)

L.W.G. Strijbosch 21/4/1989 Experimental design and statistical evaluation of limiting dilution assays (co-promotor with W. Albers as promotor)

³Degree awarded *cum laude*.

11.2 Universiteit van Amsterdam, The Netherlands

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|------------|------------|--|
| E.S. Tan | 16/12/1994 | A stochastic growth model for the longitudinal measurement of ability (co-promotor: Tj. Imbos) |
| C.B. Roes | 27/11/1995 | Shewhart-type charts in statistical process control |
| A.F. Huele | 5/11/1998 | Statistical robust design (co-promotor: J. Engel) |

12 Second Generation: PHD Students of S.A. van de Geer**12.1 Rijksuniversiteit Leiden, The Netherlands**

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|------------|-----------|--|
| M. Wegkamp | 26/6/1996 | Entropy methods in statistical estimation (co-promotor with W.R. van Zwet as promotor) |
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13 Third Generation: PHD Students of W.C.M. Kallenberg**13.1 Vrije Universiteit Amsterdam, The Netherlands**

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| A.D.M. Kester | 22/6/1983 | Some large deviation results in statistics (co-promotor with J. Oosterhoff as promotor) |
| F.C. Drost | 7/10/1987 | Asymptotics for generalized chi-squared goodness-of-fit tests (co-promotor with J. Oosterhoff as promotor) |

13.2 Universiteit Twente, Enschede, The Netherlands

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|-------------|------------|---|
| D.P. Kroese | 22/6/1990 | Stochastic models in reliability (assistant-promotor with J.H.A. de Smit as promotor) |
| G.D. Otten | 23/6/1995 | Statistical test limits in quality control (assistant-promotor with W. Albers as promotor) |
| G.R.J. Arts | 12/6/1998 | Test limits in quality control using correlated product characteristics (assistant-promotor with W. Albers as promotor) |
| P.C. Boon | 17/12/1999 | Asymptotic behavior of pre-test procedures (assistant-promotor with W. Albers as promotor) |

14 Third Generation: PHD Students of P. Groeneboom**14.1 Universiteit van Amsterdam, The Netherlands**

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|--------------------------|-----------|---|
| J. Praagman ⁴ | 27/6/1986 | Efficiency of change-point tests (promotors: P. Groeneboom and P.C. Sander) |
| A.J. van Es | 2/11/1988 | Aspects of nonparametric density estimation (co-promotor: P.L. Janssen) |
| F.A.G. Windmeyer | 9/6/1992 | Goodness-of-fit in linear and qualitative-choice models (promotors: P. Groeneboom and H. Neudecker) |

14.2 Technische Universiteit Delft, The Netherlands

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|--------------|-----------|---|
| E.A.G. Weits | 17/5/1990 | A stochastic heat equation for freeway traffic flow |
| A.J. Cabo | 28/6/1994 | Set functionals in stochastic geometry (promotors: A.J. Baddeley and P. Groeneboom) |
| G. Jongbloed | 9/10/1995 | Three statistical inverse problems - estimators, algorithms, asymptotics |
| R.B. Geskus | 11/2/1997 | Estimation of smooth functionals with interval censored data and something completely different |
| P.P. de Wolf | 5/10/1999 | Estimating the extreme value index - tales of tails |

⁴Degree obtained at the Technische Universiteit Eindhoven, The Netherlands.

15 Third Generation: PHD Students of R.D. Gill

15.1 Vrije Universiteit Amsterdam, The Netherlands

- B.F. Schriever 21/6/1985 Order dependence (co-promotor with J. Oosterhoff as promotor)
 R.H. Baayen 29/5/1989 A corpus-based approach to morphological productivity (promotors: G.E. Booij and R.D. Gill)

15.2 Rijksuniversiteit Leiden, The Netherlands

- S.A. van de Geer 30/9/1987 Regression analysis and empirical processes (promotors: W.R. van Zwet and R.D. Gill)

15.3 Universiteit van Amsterdam, The Netherlands

- L.C. van der Gaag 26/9/1990 Probability-based models for plausible reasoning (promotors: J.A. Bergstra and R.D. Gill)

15.4 Rijksuniversiteit Utrecht, The Netherlands

- M.C.J. van Pul 24/2/1993 Statistical analysis of software reliability (co-promotor: K. Dzhaparidze)
 M. J. van der Laan 13/12/1993 Efficient and inefficient estimation in semiparametric models (promotors: R.D. Gill and P.J. Bickel)
 B.J. Wijers 19/1/1995 Nonparametric estimation for a windowed line-segment process
 C.G.M. Oudshoorn 7/11/1996 Optimality and adaptivity in nonparametric regression (co-promotor: B.Y. Levit)
 C.M.A. Schipper 15/1/1997 Sharp asymptotics in nonparametric estimation (co-promotor: B.Y. Levit)
 R.W. van der Hofstad 16/6/1997 One-dimensional random polymers (promotors: W.Th.F. den Hollander and R.D. Gill)
 E.N. Belitser 17/6/1997 Minimax estimation in regression and random censorship models (co-promotor: B.Y. Levit)
 Y. Nishiyama 25/5/1998 Entropy methods for martingales
 G.E. Krupa 2/11/1998 Limit theorems for random sets (co-promotor: E.J. Balder)
 E.W. van Zwet 3/9/1999 Likelihood devices in spatial statistics

16 Third Generation: PHD Students of P.D. Bezemer

16.1 Universiteit van Amsterdam, The Netherlands

- H. Walinga 30/5/1985 Varioliforme erosies - Een onderzoek naar de etiologie (promotor: G.N.J. Tijtgat with W. Dekker, P.J. Kostense and P.D. Bezemer as co-promotors)

16.2 Vrije Universiteit Amsterdam, The Netherlands

- E.S.M. de Lange-de Klerk 19/5/1993 Effects of homoeopathic medicines on children with recurrent upper respiratory tract infections (co-promotor with L.Feenstra and O.S. Miettinen as promotors)
 L. van den Berg 31/10/1997 Postoperatieve pijnbestrijding: Een prospectieve studie naar de kosteneffectiviteit van twee methoden (promotor: J.J. de Lange with W.W.A. Zuurmond and P.D. Bezemer as co-promotors)

17 Third Generation: PHD Students of F.C. Drost**17.1 Katholieke Universiteit Brabant, Tilburg, The Netherlands**

B.J.M. Werker 14/9/1995 Statistical methods in financial econometrics (co-promotor with B.B. van der Genugten and Th.E. Nijman as promotors)

18 Third Generation: PHD Students of M.N.M. van Lieshout**18.1 University of Warwick, Coventry, United Kingdom**

E. Thönnnes 24/11/1998 Perfect and imperfect simulations in stochastic geometry in image analysis (co-promotor with W.S. Kendall as promotor)

19 Third Generation: PHD Students of K. Sijtsma**19.1 Vrije Universiteit Amsterdam, The Netherlands**

R.R. Meijer 17/1/1994 Nonparametric person fit analysis (co-promotor with W. Molenaar and P.J.D. Drenth as promotors)
 A.C. Verweij 20/12/1994 Scaling transitive inference in 7-12 year old children (co-promotor with W. Koops as promotor)

19.2 Universiteit van Amsterdam, The Netherlands

K. van Dam ⁵ 28/2/1996 Dansende beren. Beoordelingsprocessen bij personeelsselectie (co-promotor with G.J. Mellenbergh as first and W.M.M. Altink as second promotor)

19.3 Rijksuniversiteit Utrecht, The Netherlands

B.T. Hemker⁶ 27/9/1996 Unidimensional IRT models for polytomous items, with results for Mokken scale analysis (co-promotor with P.G.M. van der Heijden and W. Molenaar as promotors)

20 Third Generation: PHD Students of J.A.M. van Druten**20.1 Universiteit van Amsterdam, The Netherlands**

J.C.M. Hendriks 7/5/1999 The incubation period of AIDS (co-promotor with R.A. Coutinho and G.J.F. van Griensven as promotors)

21 Third Generation: PHD Students of J.H.J. Einmahl**21.1 Universiteit Twente, Enschede, The Netherlands**

A.J. Koning 8/3/1991 Stochastic integrals and goodness-of-fit tests (assistant-promotor with W. Albers as promotor)

⁵K. van Dam received the 1996 NITPB prize for his PhD thesis.

⁶Degree awarded *cum laude*.

21.2 Erasmus Universiteit Rotterdam, The Netherlands

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|------------|-----------|--|
| H. Xin | 15/1/1992 | Statistics of bivariate extreme values (co-promotor with L. de Haan as promotor) |
| A.K. Sinha | 2/10/1997 | Estimating failure probability when failure is rare: multidimensional case (co-promotor with L. de Haan as promotor) |

22 Third Generation: PHD Students of J.A. Beirlant**22.1 Katholieke Universiteit Leuven, Belgium**

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|-------------|------|--|
| P. Vynckier | 1996 | Tail estimation, quantile plots and regression diagnostics |
| C. Vynckier | 1997 | Applications of generalized quantiles in multivariate statistics |

23 Third Generation: PHD Students of Tj. Imbos**23.1 Universiteit van Amsterdam, The Netherlands**

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| E.S. Tan | 16/12/1994 | A stochastic growth model for the longitudinal measurement of ability (co-promotor with R.J.M.M. Does as promotor) |
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24 Fourth Generation: PHD Students of L.C. van der Gaag**24.1 Rijksuniversiteit Utrecht, The Netherlands**

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|----------------|-----------|--|
| R.R. Bouckaert | 13/6/1995 | Bayesian belief networks: From construction to inference (co-promotor with J. van Leeuwen as promotor) |
|----------------|-----------|--|

25 Fourth Generation: PHD Students of M.J. van der Laan**25.1 University of California, Berkeley, USA**

- | | | |
|---------------|------|--|
| A.E. Hubbard | 1998 | Applications of locally efficient estimation to censored data models |
| D.R. Peterson | 1998 | On nonparametric estimation and inference with censored data, bandwidth selection for local polynomial regression, and subset selection in explanatory regression analysis |

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