

CURRICULUM VITAE WILCO H. M. EMONS
FEBRUARY 2018

Name: dr. Wilco Henricus Maria Emons (male)
Address Albertus Magnusstraat 6, 5042ER, Tilburg
Date of Birth 14-07-1973
Place of Birth: Nijmegen (the Netherlands)
Nationality: Dutch

Current position

Assistant Professor (UD-1)
Department of Methodology and Statistics
Tilburg School of Social and Behavioral Sciences
Tilburg University
Tilburg, the Netherlands

Jan. 2015 – present: Director of Education, Department of Methodology and Statistics

Research Member of CoRPS: Center of Research on Psychology in Somatic diseases
Tilburg School of Social and Behavioral Sciences
Tilburg University
The Netherlands

Main Interests

I have a broad interest in methodology and statistics in the social sciences, and I am specifically interested in psychometrics and psychological and educational assessment. In particular, I am interested in individual change assessment (student-monitoring, patient monitoring), and person-fit analysis.

Publications

International Journal Articles (refereed)

Rijnen, S. J. M., Meskal, I., **Emons, W. H. M.**, Campman, C. A. M., van der Linden, S. D., Gehring, K. & Sitskoorn, M. M. (2017). Evaluation of normative data for the computerized neuropsychological battery CNS Vital Signs: Effects of sociodemographic variables in a Dutch healthy sample. (2017). (Accepted/In press) *Journal of the International Neuropsychological Society*.

- Rijnen, S. J. M., Meskal, I., **Emons, W. H. M.**, Campman, C. A. M., van der Linden, S. D., Gehring, K., & Sitskoorn, M. M. 2017 Evaluation of normative data of a widely used computerized neuropsychological battery: Applicability and effects of sociodemographic variables in a Dutch sample . *Assessment*. p. 1-11 (online first)
- Klabbers, G. A., Wijma, K., Paarlberg, K. M., Emons, W. H. M. & Vingerhoets, A. J. J. M. Haptotherapy as a new intervention for treating fear of childbirth: a randomized controlled trial. *Journal of Psychosomatic Obstetrics and Gynaecology*. p. 1-10
- Grosz, M., **Emons, W. H. M.**, Wetzel, E., Leckelt, M., Chopik, W. J., Rose, N., & Back, M. (2017). A comparison of unidimensionality and measurement precision of the Narcissistic Personality Inventory and the Narcissistic Admiration and Rivalry Questionnaire. *Assessment*.
- Jabrayilov, R., **Emons, W. H. M.**, De Jong, K., & Sijtsma, K. (2017). Longitudinal measurement invariance of the Dutch Outcome Questionnaire-45 in a clinical sample. *Quality of Life Research*.
- Nieuwesteeg, A. M., Hartman, E. E., **Emons, W. H. M.**, Van Bakel, H. J. A., Aanstoot, H. J., van Mil, E., Pouwer, F. (2017). Pediatric parenting stress in fathers and mothers of young children with Type I diabetes: A longitudinal study. *Journal of British Diabetic Association*.
- Conijn, J. M., **Emons, W. H. M.**, Page, B. F., Sijtsma, K, Van der Does, W., Carlier, I. V. & Giltay, E. J. (2017). Response inconsistency of patient-reported symptoms as a predictor of discrepancy between patient and clinician reported depression severity. *Assessment*.
- Jabrayilov, R., **Emons, W. H. M.**, & Sijtsma, K. (2016). Comparison of classical test theory and item response theory in individual change assessment. *Applied Psychological Measurement*, 40, 559-572.
- Volker, D., Zijlstra-Vlasveld, M. C., Brouwers, E., Homans, W. A., **Emons, W. H. M.** & van der Feltz-Cornelis, C. M. (2016). Validation of the patient health questionnaire-9 for major depressive disorder in the occupational health setting. *Journal of Occupational Rehabilitation*, 26, 237-244.
- De Vries, M., **Emons, W.H.M.**, Plantinga, A., Pietersma, S., Van den Hout, W. B., Stiggelbout, A. M., Van den Akker-van Marle, M. E. (2016). Comprehensively Measuring Health-related Subjective Well-Being: Dimensionality Analysis for Improved Outcome Assessment in Health Economics. *Value in Health*, 19, 167-175.
- Conijn, J. M., **Emons, W. H. M.**, Sijtsma, K. (2015). Identifying person-fit latent classes, and explanation of categorical and continuous person misfit. *Applied Psychological Measurement*.
- Volker, D., Zijlstra-Vlasveld, M. C., Anema, J. R., Beekman, A. T. F., Brouwers, E. P. M., **Emons, W. H. M.**, van Lomwel, A. G. C. & van der Feltz-Cornelis, C. M. (2015). Effectiveness of a blended web-based intervention on return to work for sick-listed employees with common mental disorders: Results of a cluster randomized controlled trial. *Journal of Medical Internet Research*. 17, 5.
- Braamhorst, W., Lobbestael, J., **Emons, W.H.M.**, Arntz, A., Witteman, C. L. M. & Bekker, M. H. J. (2015). Sex bias in classifying borderline and narcissistic personality disorder. *Journal of Nervous and Mental Disease*, 203, p. 804-808

- Conijn, J. M., **Emons, W.H.M.**, De Jong, K., & Sijtsma, K. (2015). Detecting and explaining aberrant responding on the outcome questionnaire 45. *Assessment*.
- Nieuwesteeg, A., Hartman, E., Aanstoot, H. J., van Bakel, H., Emons, W., van Mil, E. & Pouwer, F. The relationship between parenting stress and parent–child interaction with health outcomes in the youngest patients with type 1 diabetes (0–7 years). *European Journal of Pediatrics*.
- De Vroege, L., **Emons, W. H. M.**, Sijtsma, K., Hoedeman, R., & Van der Feltz, C. M. (2015). Validation of the 4DSQ Somatization subscale in the occupational health care setting as a screener. *Journal of Occupational Rehabilitation*.
- Conijn, J.M., **Emons, W.H.M.**, & Sijtsma, K. (2014). Statistic *lz* based person-fit methods for non-cognitive multiscale measures. *Applied Psychological Measurement*, 38, 122-136.
- Kruyen, P.M., **Emons, W.H.M.**, & Sijtsma, K. (2014). Assessing individual change using short tests and questionnaires. *Applied Psychological Measurement* (in press). Available online: DOI: 10.1177/0146621613510061
- Conijn, J.M., **Emons, W.H.M.**, Assen, M.A.L.M. van, Pedersen, S.S., & Sijtsma, K. (2013). Explanatory, multilevel person-fit analysis of response consistency on the Spielberger State-Trait Anxiety Inventory. *Multivariate Behavioral Research*, 48, 692-718.
- Nieuwesteeg, A. M., Hartman, E. E., Pouwer, F., **Emons, W. H. M.**, Aanstoot, H. J., van Mil, E. & Van Bakel, H. J. A. (2014). Qualitative observation instrument to measure the quality of parent-child interactions in young children with Type I diabetes mellitus. *BMC: Pediatrics*, 14:145
- Klabbers, G. A., Wijma, K., Paarlberg, K. M., Emons, W. H. M., & Vingerhoets, A. J. J. M. (2014). Treatment of severe fear of childbirth with haptotherapy: Design of a multicenter randomized controlled trial. *BMC: Complementary and Alternative Medicine*, 14:385.
- Hartman, E.E., Zanden, A. van der, Nieuwesteeg, A.M., **Emons, W.H.M.**, Pouwer, F., Aanstoot, H.J., Bakel, H.J.A. van, Maas-van Schaaijk, N., Mil, E. van, & Oort, F.J. (2013). Quality of life in children with type 1 diabetes mellitus and healthy peers: how good do parents know their kids? (abstract). *Pediatric Diabetes*, 14(suppl. 18), 95
- Kruyen, P.M., **Emons, W.H.M.**, & Sijtsma, K. (2013). On the shortcomings of shortened tests: A literature review. *International Journal of Testing*, 13, 223-248.
- Kruyen, P.M., **Emons, W.H.M.**, & Sijtsma, K. (2013). Shortening the S-STAI: Consequences for research and clinical practice. *Journal of Psychosomatic Research*, 75, 167-172.
- Nieuwesteeg, A.M., Pouwer, F., Aanstoot, H.J., Bakel, H.J.A. van, **Emons, W.H.M.**, Mil, E. van, & Hartman, E.E. (2013). The relationship between parent-child interaction, parental distress, HbA1c and quality of life in young children with type 1 diabetes (abstract). *Pediatric Diabetes*, 14(suppl. 18), 95.
- Sijtsma, K., & **Emons, W.H.M.** (2013). Separating models, ideas, and data to avoid a paradox: Rejoinder to Humphry. *Theory & Psychology*, 23, 786-796.
- Emons, W. H. M.**, Mols, F., Pelle, A. J. M., Smolderen, K. G. E., & Denollet, J. (2012). Type D assessment in patients with chronic heart failure and peripheral arterial disease: Evaluation of the experimental DS(3) scale using item response theory. *Journal of Personality Assessment*, 94(2), 210-219.

- Emons, W. H. M.,** Sijtsma, K., & Pedersen, S. S. (2012). Dimensionality of the Hospital Anxiety and Depression Scale (HADS) in Cardiac Patients: Comparison of Mokken Scale Analysis and Factor Analysis. *Assessment*.
- Cock, E. S. A. de, **Emons, W. H. M.,** Nefs, G. M., Pop, V. J. M., & Pouwer, F. (2011). Dimensionality and scale properties of the Edinburgh Depression Scale (EDS) in patients with type 2 diabetes mellitus: The DiaDDZOB study. *BMC Psychiatry, 11*, 141.
- Sijtsma, K. & **Emons, W. H. M.** (2011). Advice on total-score reliability issues in psychosomatic measurement. *Journal of Psychosomatic Research, 70*(6), 565-572.
- Conijn, J., **Emons, W. H. M.,** Van Assen, M. A. L. M., & Sijtsma, K. (2011). On the usefulness of a multilevel logistic regression approach to person-fit analysis. *Multivariate Behavioral Research, 46*, 365-388.
- Nieuwesteeg, A. M., Pouwer, F., Bakel, H. J. A. van, **Emons, W. H. M.,** Aanstoot, H. J., Odink, R., & Hartman, E. E. Quality of the parent child interaction in young children with type 1 diabetes mellitus: study protocol. *BMC Pediatrics, 11*, 28.
- Boros, S., Meslec, N., Curseu, P.L., & **Emons, W.H.M.** (2010). Struggles for cooperation: Conflict resolution strategies in multicultural groups. *Journal of Managerial Psychology, 25*, 539-554.
- Mommersteeg, P.M.C., Kupper, N., Schoormans, D., **Emons, W.H.M.,** & Pedersen, S.S. (2010). Health related quality of life is related to cytokine levels at 12 months in patients with chronic heart failure. *Brain, Behavior and Immunity*.
- Emons, W.H.M.** (2010). Detection and diagnosis of person misfit from patterns of summed polytomous item scores. *Applied Psychological Measurement, 25*, 599-619.
- Emons, W. H. M.** (2008). Nonparametric person-fit analysis of polytomous item scores. *Applied Psychological Measurement, 32*, 224-247.
- Ark, L. A. van der, **Emons, W. H. M.,** Sijtsma, K. (2008). Identifying answer copying using alternate test forms and seat locations in small scale examinations. *Journal of Educational Measurement, 45*, 99-118.
- Sijtsma, K., **Emons, W. H. M.,** Bouwmeester, S., Nyklíček, I. & Roorda, L. D. (2008). Nonparametric IRT analysis of Quality of Life Scales and Its application to the World Health Organization Quality of Life Scale (WHOQOL-Bref). *Quality of Life Research, 17*, 275-290.
- Meijer, R. R., Egberink, I. J. L., **Emons, W. H. M.,** & Sijtsma, K. (2008). Detection and validation of unscalable item score patterns using item response theory: An illustration with Harter's self perception profile for children. *Journal of Personality Assessment, 90*(3), 227-238.
- Emons, W. H. M.,** Meijer, R. R. & Denollet, J. (2007). Negative affectivity and social inhibition in cardiovascular disease: Evaluating Type D personality assessment using Item response theory. *Journal of Psychosomatic Research, 63*, 27-39.
- Emons, W. H. M.,** Sijtsma, K., & Meijer, R. R. (2007). On the consistency of individual classification using short scales. *Psychological Methods, 12*(1), 105-120.
- Emons, W. H. M.,** Sijtsma, K., & Meijer, R. R. (2005). Global, graphical, and local person-fit analysis using person response functions. *Psychological Methods, 10*, 101-119.
- Emons, W. H. M.,** Meijer, R.R., & Sijtsma, K. (2004). Testing hypotheses of the person response function in person-fit analysis. *Multivariate Behavioral Research, 39*, 1-35.

- Emons, W. H. M.,** Glas, C.A.W., Meijer, R.R., & Sijtsma, K. (2003). Person-Fit in Order Restricted Latent Class Models. *Applied Psychological Measurement*, 27,459-478 .
- Emons, W. H. M.,** Meijer, R.R., & Sijtsma, K. (2002). Comparing Simulated and Theoretical Sampling Distributions of the $U3$ Person-Fit Statistic. *Applied Psychological Measurement*, 26, 88-108.

Book chapters:

- Emons, W.H.M.,** & Flore, P. C. (2014). Evaluating scales for ordinal assessment in clinical and medical psychology. In Millsap, R. E., Van der Ark, L. A., Bolt, D. M., Woods, C. M. (Eds.), *New Developments in Quantitative Psychology* (pp. 449-462). New York: Springer.
- Sijtsma, K. & **Emons, W. H. M.** (2010). Nonparametric Statistical Methods. In B. McGaw, E. Baker, & P.P. Peterson (Eds.), *International encyclopedia of education* (pp. 347- 353). Oxford: Elsevier
- Sijtsma, K. & **Emons, W. H. M.** (2008). Statistical models for the development of psychological and educational tests. In: Rudas, T. (Ed.). *Handbook of probability: Theory and practice* (pp. 257 275). Sage: Thousand Oaks.
- Emons, W. H. M.** (2004). Investigating the local fit of item-score vectors. In H. Yanai, A. Okada, K. Shigemasa, K. Kano, & J.J. Meulman (Eds.), *New Developments in Psychometrics*. (pp. 289-296). Tokyo: Springer

Books:

- Emons, W. H. M.** (2003). *Detection and diagnosis of misfitting item-score vectors*. Amsterdam: Dutch University Press. (Ph.D. dissertation)

Non-refereed (proceedings, research reports):

- Emons, W. H. M.,** Meijer, R. R., & Sijtsma, K. (2000). Comparing Simulated and Theoretical Distributions of the $U3$ Person-Fit Statistic (CD-ROM). In Blasius, J., Hox, J., Leeuw, E.de & Schmidt, P. (Eds.), *Fifth International Conference on Logic and Methodology (RC-33)*.

- Emons, W. H. M.** (1998). *Nonequivalent Groups IRT Observed Score Equating. Its Applicability and Appropriateness for the Swedish Scholastic Aptitude Test (EM Rep. No. 32)*. Umeå, Sweden: Umeå University, Department of Educational Measurement.

Publications in Dutch:

- Sijtsma, K. & **Emons, W. H. M.** (2007) Korte tests: Kostbare tijdwinst en onbetrouwbare beslissingen. *De Psycholoog*, 42(7-8), 406-411
- Burg, J. ter, **Emons, W. H. M.,** Mol, S. S. L., & Schuwirth, L. W. T. (2001). Bepalen van de referentiewaarde bij screenende kennistoets door het NHG met de methode Angoff [An Angoff standard setting procedure for screening tests of General Practitioners knowledge]. *Dutch Journal of Medical Education*, 20, 17-24.

Scientific Presentations

Detection of Response Shifts in Pretest-Posttest Design. International Meeting of the Psychometric Society, Asheville, NC (July 2016).

Beoordelen van Normen uit Continue Normering. (Quality assessment of continuous norms). Presentation held at the COTAN (June 2015).

On the use of change scores in routine outcome measurement. International Meeting of the Psychometric Society, Arnhem (July 2013).

Exploratory Person-Fit Analysis in Educational Measurement. Open Lecture, Krakow, Poland (November 2012).

Ordinal Assessment in Clinical and Medical Psychology. Invited Symposium on *Nonparametric Item Response Theory.* International Meeting of the Psychometric Society, Lincoln, Nebraska (July 2012).

On the usefulness of latent variable hybrid models for detecting unobserved person heterogeneity and person misfit in educational testing. International meeting of the Psychometric Society, Hong Kong (July, 2011).

On the usefulness of latent variable hybrid models to distinguish categories from dimensions. American Sociological Association: Methodology Conference, Tilburg, the Netherlands (May, 2011)

Person Fit of Polytomous Item Score Vectors and Profiles in Typical Performance Assessment. International meeting of the Psychometric Society, Athens, GA (July, 2010).

On the combined use of parametric and non-parametric IRT models with applications to scale analysis and medical psychology. International meeting of the Psychometric Society, Cambridge, UK (July, 2009).

How large a sample is needed? Tutorial presented for CoRPS research group. (October, 2008)

Detection and Diagnosis of person misfit from patterns of polytomous item scores. International meeting of the Psychometric Society, Durham NH, USA. (July, 2008)

Psychometric Analysis of Questionnaire Data from Medical Psychology using Nonparametric Curve Fitting. International Meeting Psychometric Society, Tokio. Japan. (July, 2007)

On the use of person fit analysis in test and questionnaire data. International Meeting of the Psychometric Society, Montreal Canada (July, 2006)

On the consistency of individual classification using short scales. Lunchcolloquium of the Department of Methodology and Statistics, Tilburg University, The Netherlands Tilburg. (September, 2006)

New developments in parametric and nonparametric person fit analysis of test and questionnaire data. 22nd IRT-workshop, University of Twente, Enschede, Netherlands. (October, 2006)

Using Short Scales in Personality Assessment: How Short is Long Enough? International meeting of the Psychometric Society, Tilburg, The Netherlands. (July, 2005)

Person-fit analysis of polytomous items in personality assessment. International meeting of the Psychometric Society, Monterey, CA, USA. (June, 2004)

Detection of Atypical Typical Test Performance. Lunch Colloquium of the Department of Methodology and Statistics, Tilburg University, The Netherlands. (May, 2004)

Detection and Diagnosis of Misfitting Item-Score Vectors. Lunch colloquium of the Department of Methodology and Statistics, Tilburg University, The Netherlands. (April, 2003)

Person-Fit analysis using the Person Response Functions. Meeting of the National Council on Measurement in Education (NCME), Chicago, Illinois, USA. (April, 2003)

Detection and Diagnosis of Misfitting Item-Score Vectors: With Applications to a Child Intelligence Test. 19th Workshop on Item Response University of Twente, Enschede, the Netherlands (October, 2003)

Detection and Diagnosis of Misfitting Item-Score Vectors using Person-Response Functions. Meeting of the Netherlands Society of Statistics and Operational Research, Utrecht, the Netherlands (October, 2003)

Testing Hypotheses about the Person Response Function. 18th Workshop on Item Response Theory, University of Twente, Enschede, the Netherlands (October, 2002)

Investigating the Local Fit of Item-Score Vectors using the Person Response Function. International Meeting of the Psychometric Society, Chapel Hill, North Carolina, USA. (June, 2002)

Nonparametric Person-Fit Statistics for Investigating the Local Fit of Item Score Patterns. Lunch Colloquium of the Department of Methodology and Statistics, Tilburg University, The Netherlands. (May, 2001)

Nonparametric Person-Fit Statistics to Investigate the Local Fit of an Item Score Pattern. International Meeting of the Psychometric Society, Osaka, Japan (July, 2001)

Nonparametric Person-Fit Statistics to Investigate the Local Fit of Item Score Patterns. Meeting of Ph.D Students of the Faculty of Social and Behavioral Sciences, Tilburg University, the Netherlands. (April, 2001)

Person Fit in Ordered Latent Class Models. 17th Workshop on Item Response Theory, University of Twente, Enschede, The Netherlands. (October, 2001)

Person Fit in Order-Restricted Latent Class Models. International Meeting of the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS), Utrecht, The Netherlands. (December, 2001)

Comparing Simulated and Theoretical Sampling Distributions of the U3 Person-Fit Statistic. Lunch Colloquium of the Department of Methodology and Statistics, Tilburg University, The Netherlands. (May, 2000)

Comparing the Empirical and Theoretical Sampling Distribution of the U3 Person Fit Statistic. National Meeting of the Interuniversity Graduate School of Psychometrics and Sociometrics, Maastricht, the Netherlands. (December, 2000)

Comparing Simulated and Theoretical Sampling Distributions of the U3 Person-Fit Statistic. International Meeting of the Psychometric Society, Vancouver, Canada. (July, 2000)

Comparing Simulated and Theoretical Sampling Distributions of the U3 Person-Fit Statistic. Fifth International Conference on Logic and Methodology (RC-33), Cologne, Germany. (October, 2000)

Simulation Study to the Sampling Distribution of the U3 Person-Fit Statistic. 15th Workshop on Item Response Theory, University of Twente, Enschede, The Netherlands. (October, 1999)

Non-Equivalent Groups IRT Observed Score Equating Application to the Swedish Scholastic Aptitude Test. European Meeting of the Psychometric Society, Lueneburg, Germany. (June, 1999)

International Activities

- Sponsored Research Internship at Educational Testing Service (ETS), Department of Research and Statistics, June/July 2003, Princeton, New Jersey, USA.
- Invited teacher in the Educational Measurement Study Program of the Jagiellonian University in Krakow, Poland (November 2012, & April 2013); sponsored by the European Union.

Teaching

2016-2017: Research Methods for the Social Sciences (premaster).

2016-2017: *Research Master IDA and SBS: Multivariate Analysis, including Multilevel*

Models. Main responsibilities: 10 hearing lectures and lab sessions + course coordinator; (Course is given in English)

2016-2017: *Research Master IDA: Psychometrics: Measurement of Individual Differences*.

Main responsibilities: 9 hearing lectures and 12 lab sessions + course coordinator; (Course is given in English)

Sept – Dec, 2013 - 2015: Research Master: Multivariate Analysis. Main responsibility: 14 hearing lectures and lab sessions + course coordinator; (Course is given in English)

January-April, 2014: MTO-D: Correlation Analysis 1. Large scale (350 students) bachelor course for second year psychology students.

November-December, 2013- 2015: Minor: Advanced Topics in psychological and sociological Measurement (Course coordinator).

November-December (2015-2016). Psychological and Sociological Measurement in Data Science (elective course). Main Response probabilities: 6 hearing lectures and 6 lab sessions.

October-December, 2013 - 2015: Research Master: Latent Variable Measurement in the Social and Behavioral Sciences. Main responsibility: 14 lectures and 14 lab sessions. (Course taught in English).

April 2011, April 2011: Advanced Applied Methods: Item Response Theory. Part of an excellence program for the top students (two lectures and one practicum). (Course taught in English).

April-May 2012, March, 2013, 2014: Research Master: Survey Research and Psychometrics.

Responsible for the psychometrics part (6 lectures). (Course is taught in English).

October 2007, 2008, September 2011, October 2012, 2013, & 2014: Leveling-Up: Statistics. One week course on introductory statistics (inferential statistics) within the *IMPALLA: International master in Social Policy Analysis* program in Luxembourg. (Course is taught in English)

August 2008: Statistics and Research Methods for foreign students. Five weeks course for degree seeking foreign students. I taught one week on descriptive inferential statistics.

Jan – Augustus, 2005- 2010: MTO-B MAW-PSY: Introduction to Statistics. Large scale course for first year undergraduate students in psychology, sociology, leisure studies, organization studies, personnel studies (\pm 750 students). The course consists of 13 hearing lectures, working groups and SPSS lab sessions. Working groups and lab sessions are given by student assistants and Ph.D. students, and supervised by me. (Course is given in Dutch)

Jan – July, 2005 -2010: *Research Master: Data Collection and Analysis of Survey Data*

(course coordinator: prof. dr. K. Sijtsma). Main responsibility: 12 SPSS lab sessions

Sept – Dec, 2005- 2012: *Research Master: Multivariate Analysis in Psychological Research*. Main responsibility: 7 hearing lectures and lab sessions + course coordinator; (Course is given in English)

Related Teaching Activities:

2006-2012: Assessor Individual Research Proposals (IRP) of master students for Organization Studies, Personnel Studies, and Leisure Studies.

2007 - 2016 Supervisor research master students in Methodology and Statistics

Supervision Ph.D. Students

Period, Ph.D. Student and Project Title:

April 2016- present: L. De Vroege. *Alexithymia and stress*. Promotoren: prof. dr. K. Sijtsma & prof. dr. C. Van der Feltz-Cornelissen. Copromotor: W. Emons

January 2016-present. P. Lodders. *Latent variable models and measurement in medical psychology*. Promotor: prof. dr. J. Denollet; co-promotors: dr. J. Wicherts & dr. W.H.M. Emons.

September 2015-present: Z. Gu. *Monitoring Individual Change in Mental Health Care and Education*. Promotor: prof. dr. K. Sijtsma; co-promotor: dr. W.H.M. Emons.

December 2012-2016. R. Hillen. *Latent categories versus latent dimensions*. Promotor: prof. dr. K. Sijtsma; co-promotors: dr. W.H.M. Emons, dr. J. Wicherts.

December 2011-present. R. Jabrayilov. *Improving assessment of individual change in clinical, medical and health psychology*. (Funded by Dutch Organization for Research, NWO). Promotor: prof. dr. K. Sijtsma; co-promotor. Dr. W. H. M. Emons. (Finished; manuscript submitted to committee).

October 2006 - December 2013. J. Conijn. *Person-misfit in item response models explained by means of nonparametric and multilevel logistic regression models*. (Funded by Dutch Organization for Research, NWO). Promotor: prof. dr. K. Sijtsma; co-promotors: Dr. W.H.M. Emons, Dr. M.A.L.M van Assen. Defense expected f 2013.

November 2008 - July-2013: P. Kruyen. *Minimal requirements of reliability of tests and questionnaires*. Promotor: prof. dr. K. Sijtsma; co-promotor: dr. W.H.M. Emons. Defense expected end of 2012. (Funded by Dutch Organization for Research, NWO)

PhD committee membership:

Hannah Oosterhuis (2017), Pieter Oosterwijk (2016), Daniël van der Palm (2013), Hendrik Straat (2012), Lolle Schakel (2012), Iris Egberink (2010), Josje Knoop (2008).

Valorisation Activities

- Staff Member of the Dutch Committee of Testing (COTAN).
- Reviewer of Psychological Tests in the Netherlands
- Member of expert team Routine Outcome Netherlands (Trimbos/GGZ Netherlands)

Membership Committees

June 2013 - present	Vice president of the examination board of the Tilburg School of Social and Behavioral Sciences.
May, 2011- June 2013	Member of the examination board of the Tilburg School of Social and Behavioral Sciences.
Jan, 2011 – present	Member of the COTAN. (Commissie TestAangelegenheden Nederland)
Sept, 2009 – 2015:	Member of ‘Opleidingscommissie’ (educational advisory board) Psychology, Tilburg University.
May, 2007 – Sept. 2009:	Member of ‘Opleidingscommissie’ educational advisory board Organization Studies, Tilburg University.
Sep. 2006- August 2008:	Member of the Faculty Council of the Faculty of Social and Behavioral Sciences.
2005	Member of <i>Local organizing committee of the Annual Meeting of the Psychometric Society, 4-8 July 2005, Tilburg.</i>
2000-2001	Chair of the Ph.D.-students Council of the Faculty of Social and Behavioral Sciences.
2001	Ph.D. student representative in the Research Council of the Faculty of Social and Behavioral Sciences.
1996	Board member of the student union of Educational Technology (Toegepaste Onderwijskunde) <i>TObias</i> (function: treasurer)

Consultancy

Sept – Dec 2016	External advisor for “Expertgroep Primair Onderwijs”.
June 2007	External advisor of university committee on Course Evaluations, Tilburg University.
May 2009-present	External consultant for <i>Multivariate Software</i> , inc.

Reviewer Activities and Memberships

Reviewer for :

- Quality of Life Research
- European Journal of personality Assessment
- Psychometrika
- Applied Psychological Measurement
- International Journal of Testing
- Personality and Individual Differences
- Journal of Psychosomatic Research
- Journal of Clinical Epidemiology
- BMC Psychiatry
- Psychological Methods
- Journal of Educational and Behavioral Statistics
- British Journal of Mathematical and Statistical Psychology
- International Journal of Psychology and Counseling
- BMC Medical Research Methodology
- Journal of Individual Differences
- Journal of Educational Measurement
- Team Performance Management
- Pediatric Diabetes
- Journal of Computerized Adaptive testing
- Journal of Psychoeducational Assessment

Membership:

- Member of the Psychometric Society
- Member of Netherlands Society for Statistics and Operations Research (VVS)
- Post doctoral researcher *Interuniversity Graduate School of Psychometrics and Sociometrics* (IOPS)

Education

Doctorate Degree:

May 2, 2003: Dissertation: *Detection and Diagnosis of Misfitting Item-Score Vectors*. Tilburg University. Promotors: prof. dr. K. Sijtsma (Tilburg University) & prof. dr. R.R. Meijer (University of Groningen)

General:

1992-1998 Educational Technology (Toegepaste Onderwijskunde), University of Twente, Enschede, the Netherlands. Specialization: *Educational Measurement and Data Analysis*. Master thesis: *Non-Equivalent Groups IRT Observed Score Equating Application to the Swedish Scholastic Aptitude Test*. (Supervisors: prof. dr. Cees Glas & prof. dr. Wim J. van der Linden).

1991-1992 Kruisheren Kollege, Uden (VWO)

1985-1991 Kruisheren Kollege, Uden (HAVO)

Postgraduate courses on Methodology and Statistics:

1. *Nonparametric Item Response Theory*, Nov. 1999. (Instructors: prof. dr. K. Sijtsma, prof. dr. W. H. Van Schuur, prof. dr. I. W. Molenaar & prof. dr. R. J. Mokken.)
2. *Categorical Data Analysis*, Sep-Dec, 1999. (Instructor: prof. dr. J. K. Vermunt).
3. *Structural Equations and Latent Variables*, March 2000. (Instructors: B. Muthén & L. Muthén).
4. *Bayesian Computational Methods*, Nov. 2000. (Instructor: prof. dr. H. Hoijtink).
5. *Statistical Asymptotics*, Nov. 2000. (Instructor: dr. W. Krijnen).
6. *Advanced Regression Analysis*, Dec. 2001 (instructors: prof. dr. K. Sijtsma & prof. dr. J. Hagenaars).

Other Courses:

1. *Writing English for Publication*. (instructor: C. Veelen, Talencentrum Universiteit van Amsterdam).
2. *Cursus presenteren en didactiek*. (AiO -cursus FSW; docent H. van Kruisdijk).
3. *Improving Oral Presentations in English* (instructor: M. Sanders, Language Center, Tilburg University).
4. *Onderwijs en Techniek van het Theater* (Instructor: G. Meeus).

Career

April 2004 – present: Assistant Professor (UD1), Department of Methodology and Statistics, Faculty of Social and Behavioral Sciences, Tilburg University, the Netherlands.

Jan. 2003- April 2004: Post-doctoral researcher, Department of Methodology and Statistics, Faculty of Social and Behavioral Sciences, Tilburg University, the Netherlands.

- Jan. 1999- Dec. 2002: Ph.D. Student, Department of Methodology and Statistics, Faculty of Social and Behavioral Sciences, Tilburg University, the Netherlands.
- Sept. 1998 - Dec. 1999: Staff-member Dutch College of General Practitioners (Nederlands Huisartsen Genootschap, afdeling Deskundigheidsbevordering), Utrecht, the Netherlands.
- Aug. 1996 - Aug. 1997: Student assistant. Department Educational Measurement and Data Analysis, Faculty of Educational Technology (as of 2007: Faculty of Behavioral Sciences), University of Twente, Enschede, the Netherlands.