31th IOPS Summer Conference, June 9-10, 2016

Conference location: University of Twente, **Conference Hotel Drienerburght**

Campuslaan 5, 7522 NB Enschede

Conference dinner: **Hotel De Broeierd**

Hengelosestraat 725, 7521 PA Enschede

Program prior to conference - Thursday June 9th 2016

10.00 – 12.00   **IOPS Board Meeting (Conference Hotel Drienerburght)**

11.30 - 12.00   **IOPS PhD student meeting (Conference Hotel Drienerburght)**

Program Thursday, June 9th 2016

12.00 - 13.00   **Registration / Lunch (Conference Hotel Drienerburght)**

13.00 - 13.20   **Official opening** by **Rob Meijer** and welcome by Local Organizer **Jean-Paul Fox**

13.20 - 13.45   **Silvia de Haan- Rietdijk,** Utrecht University

It's only a matter of time. Tricky issues in modeling experience sampling (ESM) data

Discussants: Jolanda Kossakowski

13.45 – 14.10   **Abe Hofman,** University of Amsterdam

Analyzing developmental change with time-series data of a large scale educational

monitoring system

Discussants: Laura Boeschoten

14.10 - 14.35   **Sara van Erp,** Tilburg University

Prior Sensitivity Analysis in Default Bayesian Structural Equation Modeling

Discussants: Johnny van Doom

14.35 - 15.20   **Break / Poster Session**

Laura Boeschoten, Tilburg University

Latent Class Multiple Imputation for Multiply Observed Variables in a Combined Dataset

Fayette Klaassen, Utrecht University

A Population of Within-Person-populations: Aggregating Multiple N = 1 Studies

Kimberley Lek, Utrecht University

How to Construct Individualised Confidence Intervals

Johnny van Doorn, University of Amsterdam

Bayesian Ordinal Analysis: Applications of the Polychoric Correlation Coefficient in Psychology

15.20 – 15.45   **Davide Vidotto,** Tilburg University

Bayesian Multilevel Latent Class Models for Multiple Imputation of Nested Categorical Data

Discussants: Yasin Altinisik

15.45 - 16.45   **Joris Mulder,** Tilburg University **(Invited Speaker)**

Some Recent Developments of Bayesian Hypothesis Testing in Social Research

16.40 – 17.15   **Plenary meeting IOPS staff and students**

18.00   **Conference dinner at "Hotel De Broeierd"**

Friday, June 10th

09.00 - 09.30   **Registration / Coffee**

09.30 - 09.55   **Dries Debeer,** KU Leuven

Item-position Effects and Missing Responses in Large-Scale Assessments: Models and Applications

Discussants: Daniela Crisan

09.55 - 10.20   **Giulio Flore,** Leiden University

A Comparative Analysis of Psychometric Unfolding Models

Discussants: Annemiek Punter

10.20 – 10.45   **Robert Hillen,** Tilburg University

Unraveling categorical and continuous differences on psychological attributes: Which methods should we use and which not?

Discussants: Joost kruis

10.45 – 11.30   **Break / Poster Session**

Nitin Bhushan, University of Groningen

Learning Household Energy Consumption Profiles from Data : A Dynamic Process Methodology

Thomas Husken, Utrecht University

Time-varying Covariates in Population Size Estimation with the Recurrent Events Model

Joost Kruis, University of Amsterdam

Three Representations of the Ising Model.

Iris Yocarini, Erasmus University Rotterdam

Decision Accuracy of Combining Multiple Tests in a Higher Education Context'

11.30 – 11.55 **Jurian Meijering,** Wageningen University

Probing the Power of Apollo: Methodological Challenges and Opportunities of the Delphi Method for the Developing Rankings
Discussants: Lianne Ippel

11.55 – 12.20 **Oisin Ryan,** Utrecht University

Mediation, Time and Causality: Lessons from Continuous-Time Modeling
Discussants: Thomas Husken

12.20 – 13.10 **Jean-Paul Fox,** University of Twente

Bayesian Multivariate Multilevel Models for Pretest Posttest Data

13.10 – 13.20 **IOPS Best Presentation and Poster Award**

13.20 – 13.25 **Closing conference by Rob Meijer**

13.25 **Takeout Lunch**

Joris Mulder, Tilburg University **(Invited Speaker)**

Title:

Some Recent Developments of Bayesian Hypothesis Testing in Social Research

Abstract:

Bayes factors are increasingly being used in the social sciences to test hypotheses coming from substantive theories. Bayes factors have several useful properties, such as its intuitive interpretation as the relative evidence in the data between two hypotheses, and the fact that it can straightforwardly be used for multiple hypothesis testing with complex (in)equality constrained on the parameters of interest. In this presentation I will discuss some recent developments in Bayesian hypothesis testing in social research. Topics that will be discussed are information (in)consistency, testing correlation structures, and testing random effects variances.