

15TH ANNUAL MEETING OF THE BELGIAN STATISTICAL SOCIETY SBS-BVS

October (18), 19 and 20, 2007, Antwerpen

A tentative program of the next meeting of the Belgian Statistical Society (BSS 2007) is now available on the conference web-site:

<http://www.ua.ac.be/main.aspx?c=.BSS2007&n=51352>

Thursday 18th October 2007 (Young Statistician Day)

10h00 Registration and Welcome

10h30 *What makes a good presentation?*

Mr. Frank Van Splunder, staff member of Linguapolis and of the Faculty of Political and Social Sciences (UA)

12h00 Lunch

13h30 Presentations by PhD students

- Gaelle Boulet (UA), *HPV16 integration status as a biomarker for CIN2+ lesions*
- Jozefien Buyze (UG), *Designing a sequentially randomised study with adherence enhancing interventions for diabetes patients*
- Fabrizio Consentino (KUL), *Model Selection with Missing Covariates under Ignorable Missingness*
- Jeroen Huyghe (UA), *Looking for rare variants implicated in complex disease in genome-wide association studie*
- Jean-Marie Kalau Mutej (ULB), *Sampling in populations not easily reachable for the investigations in the Democratic Republic of Congo*
- Muhamad Safiih Lola (University of Malaysia), *Fuzzy Modelling Approach To Sample Selection Models*

- Frederik Michiels (UA), *Tackling the copula test space problem*
- Stephan Van der Veecken (KUL), *Outlier detection for skewed data*
- Sophie Vanbelle (ULg), *A note on the linearly weighted kappa coefficient for ordinal scales*
- Thomas Verdebout (ULB), *Pseudo-Gaussian tests for the Common Principal Components model*

- 15h30 Coffee Break
- 16h00 Quiz about posters and presentations
- 17h00 Time to relax
- 19h30 Dinner in the city

Friday 19th October 2007

- 09h00 Registration and welcome
- 09h45 Opening of the conference
- 10h00 Invited speaker: Shirley Coleman (University of Newcastle)
Six Sigma: an opportunity for statistics and statisticians
- 10h50 Parallel sessions

Biostatistics:

- Lizzy De Lobel (UG), *Alternative methods to detect gene-gene interactions*
- N. Lefèvre (IDDI), *Statistical Alerts For Errors (SAFE): Batteries of automated statistical checks on clinical data*
- Michèle Ampe (KUL), *Analysis of array CGH data for the detection of single-cell chromosomal imbalances*

- Joris Menten (Instituut voor Tropische Geneeskunde) *Bayesian latent class models with conditionally dependent diagnostic tests: a case study*
- Roula Tsonaka (KUL), *Marginalized Semi-Parametric Shared Parameter Models for Incomplete Ordinal Responses*

Methodology

- Giovanni Motta (UCL), *Locally Stationary Factor Models: Identification and Nonparametric Estimation*
- Heidi Arnouts (UA), *Efficient experimental designs in the presence of more than one hard-to-change variable*
- E. Roelant (UG), *Multivariate Generalized S-estimators*
- Etienne Cuvelier (FUNDP), *Modeling Stochastic Process Using Quasi-Arithmetic Means, A Functional Data Analysis Approach*
- Arnout Van Messem (VUB), *The Bouligand influence function and its application for support vector machines*

12h30 Lunch

14h00 Invited speaker: Carlotta Sacerdote (Centro di Riferimento per l'Epidemiologia e la Prevenzione Oncologica in Piemonte) *Mendelian randomization: the use of genetic factors to study causality in epidemiology*

14h50 Parallel sessions

Quetelet Society

- Kasim (UHasselt), *A Latent Response Approach to Multi-Compounds Screening and Baseline Gene Expression Profiles*
- Dimitris Rizopoulos (KUL), *A Two-Part Joint Model for the Analysis of Survival and Longitudinal Binary Data with excess Zeros*

- Dirk Valkenborg (UHasselt), *Correcting the bias induced by 16O/18O labeled peptides in a mass spectrometry setting*

Three Country Corner Local Group of the Royal Statistical Society

- R. De Blander (KUL), *Iterative Estimation Correcting for Error Autocorrelation in Short Panels*
- B. De Boeck (UG), *Reweighted Smooth Tests of Goodness of Fit*
- Jie Yu (KUL), *Efficient Conjoint Choice Designs in the Presence of Respondent Heterogeneity*

15h50 Coffee Break

16h20 Parallel sessions

Quetelet Society

- Auguste Gaddah (UHasselt), *Weak Convergence of the Conditional Koziol-Green Estimator under Dependent Censoring*
- Pierre Squifflet (IDDI), *Impact of data errors on the outcome of randomized clinical trials*

Methodology

- Nezar Bennala (ULB), *Optimal Pseudo-Gaussian Tests For Serial Correlation and Random Individual Effects in Panel Data*
- David Magis (ULg), *Quick data set generation and exact p-value computation in goodness-of-fit testing*

17h00 Invited speaker: Stefaan Walgrave (Universiteit Antwerpen) *Protest surveying. Testing the feasibility and reliability of an innovative methodological approach to political protest*

17h50 Time to relax

19h00 Poster walk and drink

- Jozefien Buyze (UG), *Designing a sequentially randomised study with adherence enhancing interventions for diabetes patients*
- Julie Francart (UCL), *Evaluation of multivariate prognostic models: an application of Cox regression to EORTC malignant mesothelioma trials*
- Guy Brys (Directorate-General Statistics Belgium), *Information Society Statistics*
- Evelien Vaes (UCL), *Decision analytical models to define the cost-effectiveness of ovarian cancer detection techniques*
- Dean Barron (California State University), *Perspective ratios for comparison of multiple two sample Kolmogoroff-Smirnoff and related test statistics*
- Gaelle Boulet (UA), *HPV16 integration status as a biomarker for CIN2+ lesions*
- Stephan Van der Veken (KUL), *Outlier detection for skewed data*
- Lieven Desmet (KUL), *Estimation of curves with jumps or peaks using local linear fit*

20h00 Conference Dinner

Staurday 20th October 2007

09h00 Invited speaker: Léopold Simar (Université Catholique de Louvain) *Stochastic versions of FDH/DEA envelopment estimators*

09h50 Parallel sessions

Biostatistics

- Joke Bilcke (UA), *Statistical issues in cost-effectiveness analysis*
- Sophie Vanbelle (ULg), *Agreement between an isolated rater and a group of raters*
- Stijn Vansteelandt (UG), *Semiparametric inference for statistical interactions*

Statistics in behavioural research

- Wilfried Cools (KUL), *Design efficiency in estimation and statistical testing of multilevel variance parameters: A simulation study*
- Bart Vermeulen (KUL), *Rank-order conjoint experiments: efficiency and optimal designs*
- Annouschka Laenen (UHasselt), *A Family of Measures to Evaluate Scale Reliability in a Longitudinal Setting*

10h50 Coffee Break

11h20 Parallel sessions

Biostatistics

- Ralf-Dieter Hilgers (RWTH Aachen), *Optimal designs for different contrasts of the treatment effect for two-channel microarray experiments*
- Melchior Basanze (Kigali Institute of Science and Technology), *Dilution Linear Calibration Estimators and Small Disturbance Asymptotic Optimality*

Methodology

- Tatyana Krivobokova (KUL), *Fast adaptive penalized splines*
- Oleksandra Daskovska (UCL), *Dynamical analysis of Malmquist productivity index*

12h00 Invited speaker: Rosemary A. Bailey (Queen Mary University of London) *Design of dose-escalation trials*

12h50 Conference adjourn

13h00 Lunch

14h30 Satellite workshop: *The analysis of longitudinal data, subject to missingness*
Geert Molenberghs, Universiteit Hasselt & Geert Verbeke, Katholieke Universiteit Leuven