

## Sunday, 20.04.2008

14.00 – 19.00 – Registration

**19.00 – Reception Dinner**

## Monday, 21.04.2008

**8.00 – 9.00 – Breakfast**

**Session I** – Opening lecture – Chair A. Dobek

9.00 – 9.05 – Opening – A. Dobek

9.05 – 10.05 – A. Atkinson: *On the choice of a linear model for regression or time series analysis*

**10.05 – 10.20 – Coffee Break**

**Session II** – Regression part I – Chair A. Atkinson

10.20 – 10.40 – A. Pérez: *An estimation method for general heteroscedastic structures in linear models*

10.40 – 11.00 – A. Alin: *Testing independence for the linear by linear association model using power-divergence test statistics*

11.00 – 11.20 – K. Maciąg: *On relations between classification and regression*

11.20 – 11.40 – W. Rejchel: *Rank correlation estimators and their limiting distributions*

**11.40 – 11.55 – Coffee Break**

**Session III** – Regression part II – Chair P. Pordzik

11.55 – 12.40 – G. Ross: *Fifty years of non-linear modelling by computer*

12.40 – 13.00 – E. Moreira: *L models and multiple regressions designs*

**13.00 – 15.00 – Lunch**

**Session IV** – Biomedical Applications of Statistics – part I – Chair L.R. LaMotte

15.00 – 15.45 – J. Kaufmann: *Analysis of cluster randomization trials for binary data*

15.45 – 16.05 – F. Konietzschke: *Nonparametric analysis of clustered data in diagnostic trials*

**16.05 – 16.20 – Coffee Break**

**Session V** – Biomedical Applications of Statistics – part II – Chair J. Kaufmann

16.20 – 16.40 – B. Bogacka: *Adaptive experimental design for optimum dose-finding in Phase I clinical trials*

16.40 – 17.00 – Z. Hanusz: *Estimation of relative potency of two tuberculin-tests with correlated observations*

17.00 – 17.20 – R. Landri: *Ordering multivariate distributions by entropy and variance*

**17.20 – 17.35 – Coffee Break**

**Session VI** – Miscellanea – Chair B.K. Sinha

17.35 – 17.55 – D. Szynal: *Goodness-of-fit tests being components of partitions of chi-squared test statistics*

17.55 – 18.15 – M. Grządziel: *On REML estimation of variance components and global optimization methods*

18.15 – 18.35 – T. Rusch: *Test of additivity in mixed and fixed effects two-way ANOVA models with single subclass numbers*

18.35 – 18.55 – P. Rodrigues: *Analysis of an European Union election using principal component analysis*

**19.00 – Dinner**

**Tuesday, 22.04.2008**

**8.00 – 9.00 – Breakfast**

**Session VII** – Multivariate Linear Models – part I – Chair D. von Rosen

- 9.00 – 10.00 – B.K. Sinha: *On some aspects of multivariate Behrens-Fisher problem*  
10.00 – 10.20 – M. Ohlson: *Explicit estimators under  $m$ -dependence for a multivariate normal distribution*

**10.20 – 10.40 – Coffee Break**

**Session VIII** – Multivariate Linear Models – part II – Chair G. Ross

- 10.40 – 11.10 – D. von Rosen: *Multivariate linear models with Kronecker covariance structure*  
11.10 – 11.40 – J. Wesółowski: *Interplay between Wishart and GIG matrices*

**11.40 – 11.55 – Coffee Break**

**Session IX** – Multivariate Linear Models – part III – Chair J. Wesółowski

- 11.55 – 12.40 – M. Krzyśko: *Discriminant analysis of multivariate repeated measures data with a Kronecker product structured covariance matrices*  
12.40 – 13.00 – A. Szczepańska: *Optimal block designs under multivariate linear model with additional nuisance parameters*

**13.00 – 14.30 – Lunch**

**14.30 – 15.30 – Poster Session**

- A. Alin: *Comparison of PLS algorithms when number of objects is much larger than number of explanatory variables*  
M. Graczyk: *Regular A-optimal chemical balance weighing design*  
I. Kurzydło: *On some matrix Diophantine equations*  
B. Lacruz: *The orthogonal pivoting transformation for detecting collinearity problems in linear regression*  
I. Mejza: *Incomplete split-plot  $x$  split-block designs generated by Kronecker type products*  
R. Różański: *Connected and E-optimal designs under an interference model*  
I. Siatkowski: *Analysis for row-column designs*  
A. Suchocka: *Relaxed alternating projection methods*

**15.00 – 15.30 – Coffee**

**Session X** – Tadeusz Caliński Session – part I – Chair B. Bogacka

- 15.30 – 15.45 – Opening  
15.45 – 16.00 – A. Dobek: *Short biography of Professor Caliński*  
16.00 – 16.45 – M. Sari-Gorla: *Linear models in biology. Joint studies in quantitative genetics*  
16.45 – 17.00 – R. Verdooren: *On Dutch-Polish statistical collaboration*  
17.00 – 17.15 – J-P. Masson: *On French-Polish biometrical collaboration*

**17.15 – 17.40 – Coffee Break**

**Session XI** – Tadeusz Caliński Session – part II – Chair R. Kala

- 17.40 – 19.40 – General discussion, comments and memories

**20.00 – Special Dinner**      Dinner Speaker: M. Karoński

**Wednesday, 23.04.2008**

**8.00 – 9.00 – Breakfast**

**Session XII** – Multivariate Nonparametric Methods – Chair H. Oja

- 9.00 – 10.00 – H. Oja: *Multivariate linear regression based on spatial signs and ranks*  
10.00 – 10.20 – J. Möttönen: *Multivariate nonparametric tests in a randomized complete block design*  
10.20 – 10.40 – K. Nordhausen: *Location tests in the IC model using marginal ranks*

**10.40 – 10.55 – Coffee Break**

**Session XIII** – Estimation and Prediction in Gauss–Markov Models – part I –  
Chair A. Markiewicz

- 10.55 – 11.40 – S. Puntanen: *Decomposing matrices with Jerzy K. Baksalary*  
11.40 – 12.00 – P.R. Porzyc: *Bounds for the Euclidean distance between restricted and unrestricted estimator of parametric functions in the general linear model*

**12.00 – 12.15 – Coffee Break**

**Session XIV** – Estimation and Prediction in Gauss–Markov Models – part II –  
Chair G. Trenkler

- 12.15 – 12.35 – J. Kowalski: *Stationary model in rotation schemes*  
12.35 – 12.55 – I. Malinowska: *Estimation and prediction for a generalized exponential distribution based on  $k$ th lower records*

**13.00 – 15.00 – Lunch**

**Session XV** – Experimental Designs – part I – Chair T. Caliński

- 15.00 – 15.45 – G.P.H. Styan: *Some comments on Graeco-Latin squares and on magic squares, illustrated with playing cards and postage stamps*  
15.45 – 16.15 – R. Kala: *On nested block designs geometry*

**16.15 – 16.30 – Coffee Break**

**Session XVI** – Experimental Designs – part II – Chair S. Mejza

- 16.30 – 17.15 – L.R. LaMotte: *A clarification of type III hypotheses in multi-factor models*  
17.15 – 17.35 – A. Łacka: *Partially balanced block designs with nested rows and columns*

**17.35 – 17.50 – Coffee Break**

**Session XVII** – Experimental Designs – part II – Chair R. Verdooren

- 17.50 – 18.35 – S. Mejza: *Control treatments in split plot experiments*  
18.35 – 18.55 – K. Filipiak: *On universal optimality of circular partially neighbor balanced designs under an interference model*

**19.00 – Dinner**

**Thursday, 24.04.2008**

**8.00 – 9.00 – Breakfast**

**Session XVIII** – Statistical Inference in a Mixed Linear Model – part I – Chair J. Volaufova

9.00 – 9.45 – R. Zmyślony/M. Fonseca: *Tolerance intervals in mixed models and confidence intervals for lognormal models*

9.45 – 10.05 – M. Fonseca: *A reduction dimension technique for conducting inference in mixed models*

10.05 – 10.25 – F. Carvalho: *Mixed models with commutative orthogonal block structures: an application*

**10.25 – 10.40 – Coffee Break**

**Session XIX** – Statistical Inference in a Mixed Linear Model – part II – Chair R. Zmyślony

10.40 – 11.25 – J.T. Mexia: *Structure of orthogonal segregated mixed models*

11.25 – 11.45 – A. Michalski: *On locally optimal invariant tests for the variance components ratio in mixed linear models*

**11.45 – 12.00 – Coffee Break**

**Session XX** – Statistical Inference in a Mixed Linear Model – part III – Chair J.T. Mexia

12.00 – 12.45 – J. Volaufova: *(Still) Testing for fixed effects in general mixed linear models*

12.45 – 13.05 – R. Covas: *Fiducial densities and pivot variables*

**13.05 – 15.00 – Lunch**

15.00 – 19.00 – Excursion

Excursion Speaker: T. Caliński: *On the influence of agricultural experimentation on the development of mathematical statistics*

**20.00 – Conference Dinner - Prize Ceremony**

**Friday, 25.04.2008**

**8.00 – 9.00 – Breakfast**

**Session XXI** – Statistical Models for Analyzing Multi–Environment Variety Trials – part I –  
Chair Z. Kaczmarek

9.00 – 10.00 – H-P. Piepho: *Linear variance structures for modelling temporal and spatial correlations in biological data and data from agricultural field trials*

**10.00 – 10.15 – Coffee Break**

**Session XXII** – Statistical Models for Analyzing Multi–Environment Variety Trials – part II –  
Chair H-P. Piepho

10.15 – 11.00 – J-P. Masson: *Genotype - environment interaction: a comparison of two basic models*  
11.00 – 11.40 – P. Krajewski: *A mixed model analysis of variance for multi-environment variety trials*

**11.40 – 11.55 – Coffee Break**

**Session XXIII** – Statistical Models for Analyzing Multi–Environment Variety Trials – part III –  
Chair J-P. Masson

11.55 – 12.40 – R. Verdooren: *How to analyze variety trials without a computer?*  
12.40 – 13.00 – K. Stefanova: *Modelling spatial variation in field experiments*

**13.00 – 15.00 – Lunch**

**Session XXIV** – Matrix Methods – Chair G.P.H. Styan

15.00 – 15.45 – G. Trenkler: *Generalizations of the formulas by Greville and Kovarik involving orthogonal projectors*  
15.45 – 16.05 – C. Stepniak: *From equivalent linear equations to the Gauss-Markov theorem*

**16.05 – 16.20 – Coffee Break**

**Session XXV** – Estimation and Prediction in Gauss–Markov Models – part III –  
Chair S. Puntanen

16.20 – 17.05 – H. Drygas: *QR-decomposition from the statistical point of view*  
17.05 – 17.25 – A. Markiewicz: *Admissibility and linear sufficiency in linear model with nuisance parameters*

**17.25 – 17.40 – Coffee Break**

**Session XXVI** – Problems of Spatial Econometrics – Chair W. Ratajczak

17.40 – 18.10 – W. Ratajczak: *Spatial econometrics - contemporary interpretations*  
18.10 – 18.30 – J. Hauke: *Spatial autocorrelation, Moran coefficient properties and applications*  
18.30 – 18.50 – T. Kossowski: *Convergence and divergence - spatial aspects*  
18.50 – 19.00 – Closing

**19.00 – Dinner**