Sunday, 15.07.2012

14:00 – 19:00 – Registration

19:00 – Reception Dinner

Monday, 16.07.2012

7:30 – 8:50 – Breakfast

Plenary Session

8:55 –   9:00 – Opening
9:00 –   9:45 – R. A. Bailey: *Optimal design of experiments with very low average replication*
9:45 – 10:30 – R. Bhatia: *Geometric mean of matrices*

10:30 – 11:00 – Coffee Break

Parallel Session A – Multivariate Analysis part I

11:00 – 11:30 – D. von Rosen: *From linear to multilinear models*
11:30 – 11:50 – S. Toprak: *A new approach to adaptive spline threshold autoregression by using Tikhonov regularization and continuous optimization*

Parallel Session B – Matrices for Linear Models part I

11:00 – 11:30 – H. J. Werner: *On the linear aggregation problem in the general Gauß-Markov model*
11:30 – 11:50 – F. S. Kurnaz: *A new Liu-type estimator*

11:50 – 12:00 –Break

Parallel Session A – Multivariate Analysis part II

12:00 – 12:20 – C. Cuevas-Covarrubias: *Mutual Principal Components, reduction of dimensionality in statistical classification*
12:20 – 12:40 – Z. Hanusz: *Simulation study on improved Shapiro-Wilk test of normality*
12:40 – 13:00 – D. Klein: *Estimators of serial covariance parameters in multivariate linear models*

Parallel Session B – Mixed Models part I

12:00 – 12:35 – J. Volaufová: *On testing linear hypotheses in general mixed models*
12:35 – 13:00 – B. Arendacká: *Building stones for inference on variance component*

13:00 – 15:00 – Lunch

Parallel Session A – Robust Statistical Methods part I

15:00 – 15:20 – A. C. Atkinson: *Very robust regression*
15:20 – 16:00 – D. Perrotta: *Considerations on sampling, precision and speed of robust regression estimators*

Parallel Session B – General part I

15:00 – 15:30 – A. Lee: *Getting the "correct" answer from survey responses: an application of regression mixture models*

15:30 – 16:00 – A. Alin: *Bootstrap confidence regions for multinomial probabilities based on penalized power-divergence test statistics*

16:00 – 16:30 – Coffee Break

Parallel Session A – Experimental Designs part I

16:30 – 17:05 – S. Gilmour: *Q_B-optimal saturated two-level main effects designs*

17:05 – 17:30 – H. Abebe: *On the choice of a prior distribution for Bayesian D-optimal designs for the logistic regression model*

Parallel Session B – Mixed Models part II

16:30 – 17:05 – F. Vaida: *Conditional AIC for linear mixed effects models*
17:05 – 17:30 – A. Michalski: *On admissibility of decision rules derived from submodels in two variance components model*

17.30 – 17.50 – Coffee Break

Parallel Session A – Applications part I

17:50 – 18:20 – J.-P. Masson: *About the evolution of the genomic diversity in a population reproducing through partial asexuality*

18:20 – 18:40 – K. Bartoszek: *Multivariate linear phylogenetic comparative models and adaptation*

Parallel Session B – Mixed Models part III

17:50 – 18:20 – V. Witkovský: *On exact and approximate simultaneous confidence regions for parameters in normal linear model with two variance components*
18:20 – 18:40 – N. Demetrashvili: *Estimating intraclass correlation and its confidence interval in linear mixed models*
18:40 – 19:00 – N. Vahabi: *Multilevel Rasch model and item response theory*

19:00 – Dinner

20:30 – Concert

Tuesday, 17.07.2012

7:30 – 9.00 – Breakfast

Plenary Session

9:00 –   9:45 – K. M. Prasad: *Partial orders on matrices and the column space decompositions*
9:45 – 10:30 – P. C. Rodrigues: *Low-rank approximations and weighted low-rank approximations*

10:30 – 11:00 – Coffee Break

Plenary Session

11:00 – 11:45 – P. E. Oliveira: *Smoothing discrete distributions*

11:45 – 12:00 –Break

Parallel Session A – Mixed Models part IV

12:00 – 12:35 – L. R. LaMotte: *On inverse prediction in mixed models*
12:35 – 13:00 – Y. Liang: *Variance components estimability in multilevel models with block circular symmetric covariance structure*

Parallel Session B – Experimental Designs part II

12:00 – 12:35 – J. P. Morgan: *Weighting, model transformation, and design optimality*

12:35 – 13:00 – C. May: *A sequential generalized DKL-optimum design for model selection and parameter estimation in non-linear nested models*

13:00 – 15:00 – Lunch

15:00 – 21:00 – Excursion

Wednesday, 18.07.2012

7:30 – 9:00 – Breakfast

Plenary Session

9:00 –   9:45 – Somnath Datta: *Nonparametric regression for sojourn time distributions in a multistate model*

9:45 – 10:30 – O. Bluder: *Investigation of Bayesian Mixtures-of-Experts models to predict semiconductor lifetime*

10:30 – 11:00 – Coffee Break

Parallel Session A – Robust Statistical Methods part II

11:00 – 11:50 – D. Wiens: *Robust model-based sampling designs*

Parallel Session B – High-Dimensional Data part I

11:00 – 11:30 – Susmita Datta: *Nonparametric regression using partial least squares dimension reduction in multistate models*

11:30 – 11:50 – T. Górecki: *First and second derivative in time series classification using DTW*

11:50 – 12:00 –Break

Parallel Session A – Matrices for Linear Models part II

12:00 – 12:30 – H. Drygas: *Linear models in the face of Diabetes Mellitus: the influence of physical activity*

12:30 – 13.00 – R. Sund: *Muste - editorial environment for matrix computations*

Parallel Session B – High-Dimensional Data part II

12:00 – 12:35 – A. Khalili: *Simultaneous fixed and random effect selection in finite mixture of linear mixed-effect models*

12:35 – 13:00 – A. Göktaş: *A comparison of logit and probit models for a binary response variable via a new way of data generalization*

13:00 – 15:00 – Lunch

Parallel Session A – Model Selection, Penalty Estimation and Applications

15:00 – 15:30 – S. E. Ahmed: *Absolute Penalty and Shrinkage Estimation in Weibull censored regression model*

15:30 – 16:00 – E. P. Liski: *Model averaging via penalized least squares in linear regression*

16:00 – 16:20 – N. Acar: *Model selection in log-linear models by using information criteria*

Parallel Session B – Optimum Design for Mixed Effects Regression Models

15:00 – 15:30 – B. Bogacka: *Optimum designs for enzyme kinetic models with co-variates*

15:30 – 16:00 – F. Mentré: *Two-stage optimal designs in nonlinear mixed effect models: application to pharmacokinetics in children*

16:00 – 16:20 – <u>M. Prus</u>: *Optimal designs for prediction of individual effects in random coefficient regression models*

16:20 – 16:50 – Coffee Break

Poster Session – 16:50 – 18:50:

A. Bachratá: *Using methods of stochastic optimization for constructing optimal experimental designs with cost constraints*

S. Bělašková: *Regression model of AMH*

S. Donevska: *Regression analysis between parts of compositional data*

C. Fernandes: *COBS and stair nesting - segregation and crossing*

A. Göktaş: *Validity of the assumed link functions for some binary choice models based on the bootstrap confidence band with R*

M. Graczyk: *Regular E-optimal spring balance weighing design with correlated errors*

R. Gupta: *Estimation of parameters of structural change under small sigma approximation theory*

D. Kayzer: *Canonical variate analysis of chlorophyll a, b and a+b content in tropospheric ozone-sensitive and resistant tobacco cultivars exposed in ambient air conditions*

P.-H. Liau: *Latin square designs and fractional factorial designs*

D. Pereira: *Weighted linear joint regression analysis*

M. Przystalski: *Modeling resistance to oat crown rust in series of oat trials*

P. Ramos: *Estimation of variance components in balanced, staggered and stair nested designs*

Ł. Smaga: *D-optimal chemical balance weighing designs for three objects if n=2 (mod 4)*

T.-S. Tsou: *Is the skew t distribution truly robust?*

M. Tučková: *Design of experiment for regression models with constrains*

R. Zmyślony: *Inference for the interclass correlation in familial data using small sample asymptotics*

19:00 – 20:00 – Concert: *Indian Singing by Susmita Datta*

20:00 –   – Barbecue

Thursday, 19.07.2012

7:30 – 9:00 – Breakfast

Plenary Session

9:00 – 9:45 – P. Šemrl: *Adjacency preserving maps*

9:45 – 10:30 – G. P. H. Styan: *An illustrated introduction to Euler and Fitting factorizations and Anderson graphs for classic magic matrices*

10:30 – 11:00 – Coffee Break

Plenary Session – George P. H. Styan's 75th Birthday

11:00 – 11:25 – G. Trenkler: *The Luoshu and most perfect pandiagonal magic squares*

11:25 – 11:50 – K. Conradsen: *Multivariate analysis of polarimetric SAR images*

11:50 – 12:00 –Break

Parallel Session A – Matrices for Linear Models part III

12:00 – 12:20 – <u>A. Erkoç</u>: *A graphical evaluation of Robust Ridge Regression in mixture experiments*

12:20 – 12:40 – <u>S. Türkan:</u> *Cook's distance for ridge estimator in semiparametric regression*

12:40 – 13:00 – <u>K. Nosek:</u> *Change-point detection in two-phase regression with inequality constraints*

Parallel Session B – George P. H. Styan's 75th Birthday

12:00 – 12:30 – O. M. Baksalary: *Some comments on joint papers by George P.H. Styan and the Baksalarys*

12:30 – 13:00 – C. A. Coelho: *Celebrating George P. H. Styan's 75th birthday and my meetings with him*

13:00 – 15:00 – Lunch

Parallel Session A – Multivariate Analysis part III

15:00 – 15:20 – <u>M. Onozawa</u>: *Tests for profile analysis based on two-step monotone missing data*

15:20 – 15:40 – <u>Ł. Waszak</u>: *Functional discriminant coordinates*

15:40 – 16:00 – <u>R. Enomoto</u>: *Normality test based on Song's multivariate kurtosis*

Parallel Session B – George P. H. Styan's 75th Birthday

15:00 – 15:30 – S. J. Haslett: *Equivalence of linear models under changes to data, design matrix, or covariance structure*

15:30 – 15:45 – J. Hauke: *Nonnegativity of eigenvalues of sum of diagonalizable matrices*

15:45 – 16:00 – C. A. Coelho: *On the distribution of linear combinations of chi-square random variables*

16:00 – 16:30 – Coffee Break

Parallel Session A – Multivariate Analysis part IV

16:30 – 17:05 – J. Najim: *Eigenvalue estimation of covariance matrices of large dimensional data*

17:05 – 17:30 – <u>J. Pielaszkiewicz</u>: *Asymptotic spectral analysis of matrix quadratic forms*

Parallel Session B – George P. H. Styan's 75th Birthday

16:30 – 17:00 – A. J. Scott: *Fitting Generalized Linear Models to sample survey data*

17:00 – 17:30 – K. L. Chu: *The magic behind the construction of certain Agrippa-Cardano type magic matrices*

17.30 – 17.50 – Coffee Break

Parallel Session A – General part II

17:50 – 18:15 – <u>U. Beyaztaş</u>: *Jackknife-after-Bootstrap as logistic regression diagnostic tool*

18:15 – 18:40 – <u>D. Haki</u>: *Improved estimation of the mean by using coefficient of variation as a prior information in ranked set sampling*

18:40 – 19:00 – <u>S. Takahashi</u>: *Simultaneous confidence intervals among mean components in elliptical distributions*

Parallel Session B – George P. H. Styan's 75th Birthday

  17:50 – 18:15 – P. Bertrand: *Study with George Styan*

  18:15 – 18:30 – P. Loly's video: *Using singular values for comparing and classifying magical squares (natural magic and Latin)*

  18:30 – 19:00 – S. Puntanen: *Oh, still crazy after all these years?*

19:30 – Conference Dinner

After Dinner Speaker: A. J. Scott

After Dessert Speaker: S. Puntanen

YSA Prize Ceremony

Friday, 20.07.2012

7:30 – 9:00 – Breakfast

Plenary Session

  9:00 – 9:45 – T. Mathew: *Tolerance intervals in general mixed effects models using small sample asymptotics*

  9:45 – 10:30 – C. Hao: *Influential observations in the extended Growth Curve model with cross-over designs*

10:30 – 11:00 – Coffee Break

Parallel Session A — Multivariate Analysis part V

  11:00 – 11:25 – M. Fonseca: *Linear models with doubly exchangeable distributed errors*

  11:25 – 11:50 – A. Roy: *Classification of higher-order data with separable covariance and structured multiplicative or additive mean models*

Parallel Session B – Applications part II

  11:00 – 11:25 – T. Kossowski: *The Moran coefficient for non-normal data: revisited with some extensions*

  11:25 – 11:50 – R. Covas: *Some math on the electricity market by a generalization of the Black-Scholes formula*

11:50 – 12:00 –Break

Parallel Session A – General part III

  12:00 – 12:30 – D. Kosiorowski: *Robust monitoring of multivariate data stream*

  12:30 – 13:00 – D. İnan: *Modeling multiple time series data using wavelet-based support vector regression*

Parallel Session B – Experimental Designs part III

  12:00 – 12:20 – L. Filová: *Constructing efficient exact designs of experiments using integer quadratic programming*

  12:20 – 12:40 – S. Georgiou: *Latin hypercube designs and block-circulant matrices*

  12:40 – 13:00 – S. Stylianou: *Construction and analysis of D-optimal edge designs*

13.00 – 15.00 – Lunch

Parallel Session A – Mixed Model part V

15:00 – 15:35 – E. Fišerová: *Sensitivity analysis in mixed models*
15:35 – 16:00 – F. Carvalho: *Linear and quadratic sufficiency in mixed model*

Parallel Session B – Experimental Designs part IV

15:00 – 15:35 – T. Caliński: *On combining information in a generally balanced nested block design*
15:35 – 16:00 – A. Łacka: *Analysis of an experiment in a generally balanced nested block design*

16:00 – 16:30 – Coffee Break

Parallel Session A – Mixed Model part VI

16:30 – 17:05 – B. Schaffrin: *On the Errors-In-Variables Model with singular covariance matrices*
17:05 – 17:30 – M. Salehi: *Multilevel linear mixed model for the analysis of longitudinal studies*

Parallel Session B – Experimental Designs part V

16:30 – 17:05 – J. Kunert: *Optimal designs for the Michaelis Menten model with correlated observations*
17:05 – 17:30 – K. Filipiak: *On universal optimality of circular repeated measurements designs*

17.30 – 17.50 – Coffee Break

Parallel Session A – Matrices for Linear Models part IV

17:50 – 18:10 – B. Asikgil: *A novel approach for estimation of seemingly unrelated linear regressions with high order autoregressive disturbances*
18:10 – 18:30 – B. Eygi Erdogan: *A comparison of different parameter estimation methods in fuzzy linear regression*
18:30 – 18:50 – N. Güler: *A study on the equivalence of BLUEs under a general linear model and its transformed models*

Parallel Session B – Experimental Designs part VI

17:50 – 18:25 – D. Uciński: *D-optimum hybrid sensor network deployment for parameter estimation of spatiotemporal processes*
18:25 – 18:50 – A. Markiewicz: *Optimality of neighbor designs*

Closing

18:50 – 19:00

19.00 – Dinner

Saturday, 21.07.2012

8:00 – 10:00 – Breakfast