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

11:50 – 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: $Q_{optimal}$ 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. Witkovsky: On exact and approximate simultaneous confidence regions for parameters in normal linear model with two variance components
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 – M. Prus: 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 – A. Erkoç: *A graphical evaluation of Robust Ridge Regression in mixture experiments*
12:20 – 12:40 – S. Türkan: *Cook's distance for ridge estimator in semiparametric regression*
12:40 – 13:00 – K. Nosek: *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 Baksalys*
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 – M. Onozawa: *Tests for profile analysis based on two-step monotone missing data*
15:20 – 15:40 – Ł. Waszak: *Functional discriminant coordinates*
15:40 – 16:00 – R. Enomoto: *Iglyph=q+ormality 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 – J. Pielaszkiewicz: *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. Beyaztaş: *Jackknife-after-Bootstrap as logistic regression diagnostic tool*
18:15 – 18:40 – D. Haki: *Improved estimation of the mean by using coefficient of variation as a prior information in ranked set sampling*
18:40 – 19:00 – S. Takahashi: *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
18:30 – 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 crossover 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

15:00 – 15:35 – 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

16:30 – 17:05 – 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
18:30 – 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
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