

Monday, June 6

09:00 – 09:20 Registration

09:20 – 09:30 Opening

Plenary Session

Chair: S. Puntanen

09:30 – 10:10 J. Pan
Joint mean-covariance modelling and its R package: jmcm

10:10 – 10:20 Pause

Contributed Session I

Chair: I. Žežula

10:20 – 10:40 P. Song
Method of divide-and-combine in regularized regression for Big Data

10:40 – 11:00 H. Drygas
Adding observations in regression analysis

11:00 – 11:20 K. Vaňkátová
Clusterwise regression using mixtures of regression models

11:20 – 11:40 Coffee break

Minisymposium - Multivariate Linear Models

Chair: K. Filipiak

11:40 – 12:00 D. Klein
Testing mean under compound symmetry covariance setup

12:00 – 12:20 I. Žežula
Comparison of estimators in a multivariate linear model with generalized uniform correlation structure

12:20 – 12:40 M. Fonseca
Estimation for the growth curve model with orthogonal covariance structure

12:40 – 14:10 Lunch

Contributed Session II

Chair: R. A. Bailey

14:10 – 14:30 A. Markiewicz
Optimal circular neighbor designs under mixed interference models

14:30 – 14:50 C. Francisco
Hadamard matrices on error detection and correction: Useful links to BIBD

14:50 – 15:00 Pause

Minisymposium - Estimation and Testing in Linear Models

Chair: R. Zmysłony

15:00 – 15:20 J. T. Mexia
Normal approximations to noncentral Wishart matrices

15:20 – 15:40 J. S. Allison
Goodness-of-fit tests for semiparametric transformation models

15:40 – 16:00 L. Santana
Goodness-of-fit tests for semiparametric and parametric hypotheses based on the probability weighted empirical characteristic function

16:00 – 16:20 Coffee break

Monday, June 6

Minisymposium - Magic Squares, Prime Numbers and Postage Stamps

This Minisymposium will take place at the Wine Madeira
with Welcome Drink as part of the program

Chair: G. P. H. Styan

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| 16:20 – 16:40 | K. L. Chu
<i>Se-tenant philatelic Machin-definitive blocks with selected total face-values, with special emphasis on the Royal Mail “Stamps for Cooks” Prestige Booklet</i> |
| 16:40 – 17:00 | G. P. H. Styan
<i>A sensational 7×7 pandiagonal magic square with non-consecutive entries and “diamond-square arrangement” matrices for knight’s tours in a pandiagonal magic carpet</i> |
| 17:00 – 17:20 | K. L. Chu
<i>Some comments on Margaret Kepner’s “Magic Square 25 Study” (2010)</i> |
| 17:20 – 17:40 | G. P. H. Styan
<i>Some comments on Sophie Germain prime numbers and on two philatelic magic-carpet dinner-placemats for the IWMS-2016 Madeira Magic Minisymposium</i> |
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Tuesday, June 7

Plenary Session

Chair: J. J. Hunter

09:30 – 10:10 A. Kovačec
The 123 theorem of probability theory and copositive matrices

10:10 – 10:20 Pause

Minisymposium - Methods for Modelling Correlated and Complex Data

Chair: J. Pan

10:20 – 10:40 T. Nummi
Analysis of multivariate growth curves with smoothing splines

10:40 – 11:00 L. Shi
Robust estimation in meta-regression analysis

11:00 – 11:20 I. Ngaruye
Small Area Estimation for multivariate repeated measures data

11:20 – 11:40 Coffee break

Minisymposium - Inequalities in Matrix Theory and Probability

Chair: A. Kovačec

11:40 – 12:00 K. Castillo
On some inequalities for eigenvalues of a special class of unitary matrices

12:00 – 12:20 M. Mattila
Defining positive definite arithmetical functions and a partial order on the set of arithmetical functions by using matrix inequalities

12:40 – 14:10 Lunch

Plenary Session

Chair: S. Puntanen

14:10 – 14:50 R. Kala
A new look at combining information from stratum submodels

14:50 – 15:00 Pause

Minisymposium - Estimation and Testing in Linear Models

Chair: J. T. Mexia

15:00 – 15:20 R. Zmysłony
Application of Jordan algebra for statistical inference in multivariate normal models

15:20 – 15:40 K. Filipiak
Estimation of parameters under a generalized growth curve model

15:40 – 16:00 F. Carvalho
Best quadratic unbiased estimators for variance components in models with orthogonal block structure

16:00 – 16:20 Coffee break

Contributed Session III

Chair: S. Kirkland

16:20 – 16:40 C. Santos
On the extension of a balanced mixed model

16:40 – 17:00 A. C. Carapito
Lyapunov-Metzler inequalities with solutions sharing a common Schur complement

17:00 – Poster session

Wednesday, June 8

Plenary Session

Chair: R. Kala

09:30 – 10:10 A. Agresti
Some perspectives about generalized linear modeling

10:10 – 10:20 Pause

Contributed Session IV

Chair: A. Agresti

10:20 – 10:40 S. Haslett
Parameter inestimability in hierarchical loglinear models for sparse contingency tables

Special Session - part A

Session devoted to the 75th birthday of Professor Jeffrey J. Hunter

Chair: P. G. Taylor

10:40 – 11:20 J. J. Hunter
A fifty year journey with colleagues, generalized matrix inverses and applied probability

11:20 – 11:40 Coffee break

Contributed Session V

Chair: M. Fonseca

11:40 – 12:00 E. Fišerová
Conics and quadric surfaces fitting to correlated data

12:00 – 12:20 C. Dias
*Inference with *vec* type operators*

12:20 – 12:40 C. Nunes
Comparing for one-way fixed effects models the usual and the random sample sizes ANOVA

12:40 CONFERENCE PHOTO

12:40 – 14:00 Lunch

Special Session - part B

Session devoted to the 75th birthday of Professor Jeffrey J. Hunter

Chair: P. G. Taylor

14:00 – 14:30 T. Dayar
Representing probability vectors compactly

14:30 – 15:00 S. Kirkland
Kemeny's constant and an analogue of Braess' paradox for Markov chains

15:00 – 15:30 G. Latouche
The deviation matrix and quasi-birth-and-death processes

15:30 – 16:00 P. G. Taylor
The Markov-modulated Erlang Loss System

16:00 – Excursion

19:00 – Conference Dinner

Thursday, June 9

Plenary Session

Chair: A. Markiewicz

09:30 – 10:10 R. A. Bailey
Association schemes in designed experiments

10:10 – 10:20 Pause

Contributed Session VI

Chair: S. Haslett

10:20 – 10:40 D. Kokol Bukovšek
Seeking for a joint pmf given the sum of the marginal distributions

10:40 – 11:00 C. Andrade
Statistical analysis in climate research: aridity conditions in the Iberian Peninsula - a case study

11:00 – 11:20 M. F. Teodoro
Modeling the caregivers knowledge about pediatric hypertension

11:20 – 11:40 Coffee break

11:40 – Special Session

The Memorial Session of Ingram Olkin

Chair: H. J. Werner

13:00 – 14:10 Lunch

Contributed Session VII

Chair:

14:10 – 14:30 A. Correia
Confirmatory factor analysis for Entrepreneurial Framework Conditions

14:30 – 14:50 R. Covas
Variance-covariance matrix estimation in double multivariate data with symmetric monotone missing values

14:50 – 15:00 Closing
