

Scientific Programme

Sunday, 1. 9. 2024

13:00 – 18:00 Registration

19:00 – 21:00 Dinner

Monday, 2. 9. 2024

7:30 – 9:00 Breakfast

9:00 – 9:45 Registration

9:45 – 10:00 Opening

Plenary Session

Chair: Ivan Žežula

10:00 – 11:00 **Yoav Benjamini**

Hierarchical analysis of experiments involving complex ANOVA

11:00 – 11:30 Coffee break

Session I

Chair: Douglas Wiens

11:30 – 12:00 **Lynn Roy LaMotte**

A resolution for unbalanced ANOVA

12:00 – 12:30 **Júlia Volaufová**

Estimation and testing in simple linear random coefficient model with some covariance observations missing

13:00 – 14:30 Lunch

Plenary Session

Chair: Daniel Klein

15:00 – 16:00 **Mateusz John**

Estimation and testing in hierarchical model

16:00 – 16:30 Coffee break

Session II

Chair: Monika Mokrzycka

16:30 – 17:00 **Katarzyna Filipiak**

On the relationship between the estimators under the multivariate and matrix-variate t distribution

17:00 – 17:30 **Malwina Mrowińska**

Likelihood ratio test for covariance matrix under the matrix-variate t distribution

18:00 – 19:00 Dinner

19:30 – 21:00 Welcome reception

Tuesday, 3. 9. 2024

7:30 – 9:00 Breakfast

Plenary Session

Chair: Shuangzhe Liu

9:00 – 10:00 **Nicola Loperfido**

Projection pursuit: theory, applications and challenges

10:00 – 10:30 Coffee break

Invited Session I - Projection Pursuit

Chair: Nicola Loperfido

10:30 – 11:00 **Lutz Duembgen**

Projection pursuit via kernel mean embeddings

11:00 – 11:30 **H. Sherry Zhang**

Studying the performance of the jellyfish search optimiser for the application of projection pursuit

11:30 – 11:45 Health break

Invited Session II - Projection Pursuit

Chair: Cinzia Franceschini

11:45 – 12:15 **Xiaomeng Ju**

Projection-based Bayesian regression for matrix-valued predictors

12:15 – 12:45 **Martin Eppert**

Recovering imbalanced clusters via gradient-based projection pursuit

13:00 – 14:30 Lunch

Plenary Session

Chair: Lynn Roy LaMotte

15:00 – 16:00 **Douglas Wiens**

To ignore dependencies is perhaps not a sin

16:00 – 16:30 Coffee break

Invited Session III - Projection Pursuit

Chair: Nicola Loperfido

16:30 – 17:00 **Cinzia Franceschini**

Investigating food attitudes of Italian children using Projection Pursuit

17:00 – 17:30 **Aurore Archimbaud**

Invariant Coordinate Selection and Fisher discriminant subspace beyond the case of two groups

18:00 – 19:00 Dinner

Wednesday, 4. 9. 2024

7:30 – 9:00 Breakfast

Plenary Session

Chair: Dietrich von Rosen

9:00 – 10:00 **Emelyne Umunoza Gasana**

Edgeworth-type expansion of the density of the classifier when growth curves are classified via likelihood

10:00 – 10:30 Coffee break

Session III

Chair: Augustyn Markiewicz

10:30 – 11:00 **Stephen Haslett**

How is retention of BLUEs in linear model under changes of error covariance relevant to Official Statistics, experimental design, and genetics?

11:00 – 11:30 **Simo Puntanen**

The fundamental BLUE equation in linear models revisited

11:30 – 11:45 Health break

Session IV

Chair: Simo Puntanen

11:45 – 12:30 **Shuangzhe Liu**

On heavy-tailed matrix variate regression models and statistical diagnostics

12:30 – 13:00 **Emanuel Ben-David**

Gaussian DAG models with symmetries

13:00 – 14:30 Lunch

Plenary Session

Chair: Júlia Volaufová

15:00 – 16:00 **Viktor Witkovský**

Effortless calculation of complex probability distributions using CharFunTool: Computational methods, tools and applications

16:00 – 16:30 Coffee break

Session V

Chair: Viktor Witkovský

16:30 – 17:00 **Jozef Hanč**

Double exponential quadrature in calculating the distribution of products and quotients of random variables

17:00 – 17:45 **Dietrich von Rosen**

What can we learn from the classification of growth curves

19:30 – 22:00 Conference Dinner

Scientific Programme

Thursday, 5. 9. 2024

7:30 – 9:00	Breakfast
9:00 – 17:00	Excursion (including lunch)
18:00 – 19:00	Dinner

Friday, 6. 9. 2024

7:30 – 9:00	Breakfast
Plenary Session	<i>Chair: Stephen Haslett</i>
9:00 – 10:00	Augustyn Markiewicz <i>Characterization of matrix quadratic spaces with application to the estimation of covariance matrices</i>
10:00 – 10:30	Coffee break
Session VI	<i>Chair: Mateusz John</i>
10:30 – 11:00	Shubhabrata Das <i>On constraints and interrelations between nonparametric and polychoric correlations for variables measured on the Likert scale</i>
11:00 – 11:30	Adam Miedzic <i>Regularization and estimation of linearly structured covariance matrix</i>
11:30 – 11:45	Health break
Session VII	<i>Chair: Katarzyna Filipiak</i>
11:45 – 12:15	Monika Mokrzycka <i>Block covariance matrix estimation with structured off-diagonal blocks</i>
12:15 – 12:45	Daniel Klein <i>Matrix mean testing in models with a special class of variance matrices</i>
12:45 – 13:00	Closing
13:00 – 14:30	Lunch
15:00 – 16:00	Open discussions
16:00 – 16:30	Coffee break
16:30 – 18:00	Open discussions
18:00 – 19:00	Dinner