

## Wednesday, September 1, 2021

7:30 – 9:00 Breakfast

### Plenary Session – chair: **V. Witkovský**

9:00 – 9:45 **R. Harman:** *Computational aspects of optimal experimental designs*

9:45 – 10:00 Break

### Parallel Session A (ROOM A) – Application of Statistics III chair: **V. Witkovský**

10:00 – 10:20 **J. Hauke:** *On multimodal distributions. Estimation methods and examples of applications in socio-economic geography*

10:20 – 10:40 **L. Batra:** *Renyi entropy: A generalization of information entropy*

### Parallel Session B (ROOM B) – Design and Analysis of Experiments II chair: **A. Markiewicz**

10:00 – 10:30 **O. Volkov:** *SARS-CoV-2 variants neutralisation studies to predict vaccines effectiveness*

10:30 – 10:50 **R. Khodsiani:** *Optimality of block designs under a hub correlation structure*

11:00 – 11:30 Coffee Break

### Special Session (ROOM A) – Multivariate Models III chair: **D. von Rosen**

11:30 – 11:50 **R. Zmyślony:** *Jordan algebra in estimation and testing hypotheses in multivariate normal models*

11:50 – 12:10 **A. Szczepańska-Álvarez:** *Likelihood ratio test for the model with block covariance structure*

12:10 – 12:30 **A. Mieldzioc:** *A comparison of the estimators of covariance matrix structured by Toeplitz matrix*

13:00 – Lunch

### Plenary Session – chair: **K. Filipiak**

15:00 – 15:45 **S. Rosa:** *Greedy algorithms for computing informative saturated subsets*

15:45 – 16:00 Break

**Special Session (ROOM A) – Miscellaneous II**

chair: **S. Puntanen**

16:00 – 16:20 **L. Smaga:** *Projection tests for linear hypothesis in the functional response model*

16:20 – 16:40 **A. Markiewicz:** *Linearly sufficient and admissible estimators*

16:40 – 17:20 Poster Session (HyHyve)

**S. Faria:** *Fitting mixtures of linear mixed models: a case study involving fishery data*

**M. Graczyk:** *D-optimal designs with correlated errors*

**A. Lukman:** *K-L estimator in Beta regression model*

**M. Mokrzycka:** *The influence of the variance-covariance structure on the GWAS results*

19:00 – Conference Dinner