1 Scientific Programme

| Sunday
12 June | 16:30-21:30
18:30-19:30 | **Registration**
Welcome Dinner |

| Monday
13 June | 07:30-08:30
09:00-09:30 | **Breakfast**
Welcome from the Organizers in Room SR 16 |

Chair: H. Wynn

09:30-10:00 **A.C. Atkinson** Optimum Experiments with
Sets of Treatment Combinations

10:00-10:30 **H. Maruri Aguilar** Design for Smooth Models
over Complex Regions

10:30-11:00 **Coffee Break**

Chair: W. Müller

11.00-11.30 **D. Ginsbourger** Design of Computer Experiments using
Competing Distances between Set-valued Inputs

11:30-12:00 **R. Harman** Privacy Sets for Constrained Space-filling

12:00-12:30 **E. Masoudi** Application of Imperialist Competitive Algorithm
in Optimal Design

12:45-13:45 **Lunch**

Chair: A. Zhigljavsky

14:45-15:15 **K. Mylona** Supersaturated Multi-Stratum Designs:
Construction and Modelling

15:15-15:45 **P. Goos** Integer Linear Programming Approaches to Find
Optimal Row-Column Two Level Screening Designs

15:45-16:15 **U. Grömping** Regular Fractions of Factorial Arrays

16:15-16:45 **Coffee Break**

Chair: R. Schwabe

16:45-17:15 **J. López-Fidalgo** Optimal Designs for Implicit Models

17:15-17:45 **T. Mielke** Study Designs for the Estimation of the Hill
Parameter in Sigmoidal Response Models

17:45-18:15 **B. Bogacka** Design for Dose Selection and
Dose Individualisation in Clinical Trials

18:30-19:30 **Dinner**

Tuesday 14 June	07:30-08:30	**Breakfast**

Chair: J. Kunert

09:00-09:30	**R.A. Bailey** Design Keys for Multiphase Experiments
09:30-10:00	**A. Cakiroglu** Optimal Designs in Large Systems
10:00-10:30	**W.F. Rosenberger** Properties of the Random Block Design for Clinical Trials

10:30-11:00 **Coffee Break**

Chair: A. Atkinson

11.00-11.30	**R.-D. Hilgers** Assessment of Randomization Procedures with Respect to the Influence of Bias on Type 1 error Elevation
11:30-12:00	**D. Schindler** Determining an Appropriate Randomization Procedure using a Weighted Desirability Function
12:00-12:30	**H.P. Wynn** Controlled versus "Random" Experiments: a Principle

13:00-14:00	**Lunch**
14:00-15:00	**Meeting of the mODa Board in Room SR 22 in Building Schulungsgebäude II**

Chair: L. Pronzato

15:00-15:30	**A. Lane** Conditional Inference in Two-Stage Adaptive Experiments Via the Bootstrap
15:30-16:00	**A. Ghiglietti** Asymptotic Properties of an Adaptive Randomly Reinforced Urn Model
16:00-16:30	**W. Bischoff** On Designs for Recursive Least Squares Residuals to Detect Alternatives

16:30-17:00 **Coffee Break**

17:00-18:00 **Poster Session**

18:30-19:30 **Dinner**

Wednesday 15 June	07:30-08:30	**Breakfast**

Chair: V. Fedorov

09:00-09:30	**K. Burclova** Optimum Design via I-Divergence for Stable Estimation in Generalized Regression Models
09:30-10:00	**V. Casero–Alonso** A Computer Tool for MV-optimal Designs in Binary Response Models
10:00-10:30	**L. Deldossi** Accounting for Model Uncertainty in Individualized Designs for Discrete Choice Experiments

10:30-11:00	**Coffee Break**

Chair: R. Bailey

11.00-11.30	**P. Druilhet** Efficient Circular Cross-over Designs for Models with Interaction
11:30-12:00	**K. Filipiak** Optimality of Circular Designs under a Mixed Interference Model

12:30-13:30	**Lunch**

Excursion to
"Zollverein UNESCO World Heritage Site"

13:45-14:45	Bus to "Zeche Zollverein"
15:00-18:00	**Guided tour of Zeche Zollverein**
18:00-19:00	Bus to "Zuhause bei Hoffmann"

from 19:00	**Conference Dinner**

Thursday 16 June	07:30-08:30	**Breakfast**

Chair: R. Harman

09:00-09:30	**L. Pronzato** Optimal Design for Prediction in Random Field Models via Covariance Kernel Expansions
09:30-10:00	**H. Großmann** Functional Data Analysis in Designed Experiments
10:00-10:30	**K. Schorning** Optimal Designs for Comparing Curves

10:30-11:00	**Coffee Break**

Chair: N. Flournoy

11.00-11.30	**V.V. Fedorov** Survival Models with Censoring Driven by Random Enrollment
11:30-12:00	**A. Pepelyshev** Adaptive Designs for Optimizing Online Advertisment Campaigns
12:00-12:30	**H. Wang** Information-based Optimal Subdata Selection for Big Data Linear Regression

13:00-14:00	**Lunch**

Chair:J. López-Fidalgo

15:00-15:30	**L. Haines** A New Algorithm for the Construction of Optimal Designs for Mixture Experiments with Linear Inequality Constraints
15:30-16:00	**L. Filova** Optimal Experimental Designs in R
16:00-16:30	**A. Zhigljavsky** Analysis and Design in the Problem of Vector Deconvolution

16:30-17:00	**Coffee Break**
17:00-18:30	**Football or Guided Walk**
18:30-19:30	**Dinner**

Friday 17 June	07:30-08:30	**Breakfast**

Chair: B. Bogacka

09:00-09:30	**G. Knapp** A Confidence Interval Approach in Self-designing Clinical Trials
09:30-10:00	**M. Hainy** Likelihood-free Extensions for Bayesian Sequentially Designed Experiments
10:00-10:30	**M. Borotti** A Multi-objective Bayesian Sequential Design Based on Pareto Optimality
10:30-11:00	**Coffee Break**

Chair: C. Müller

11.00-11.30	**M. Radloff** Invariance and Equivariance in Experimental Design for Nonlinear Models
11:30-12:00	**M. Prus** Interpolation and Extrapolation in Random Coefficient Regression Models: Optimal Design for Prediction
12:00-12:30	**H. Holling** Optimal Design for the Rasch Poisson-Gamma Model
12:45-13:45	**Lunch**

2 List of Posters

- **Elvira Delgado Márquez**
  Optimal Experimental Design in the Transport of Granular Material

- **Roberto Fontana**
  Aberration in Qualitative Multilevel Designs

- **Irene García Camacha Gutiérrez**
  Optimal-Robust Design for Mixture Models

- **Caterina May, Giacomo Aletti, Chiara Tommasi**
  On Applying Optimal Design of Expriments when Functional Observations Occur

- **Werner G. Müller**
  Optimal Discrimination Design for Copula Models

- **Fabio Rapallo**
  Combinatorics and Algebraic Statistics for Factorial Designs

- **Juan Manuel Rodríguez-Díaz**
  C-optimal Designs for Correlated Observations

- **Samuel Rosa**
  Optimal Approximate Designs for Comparison with Control in Dose-Escalation Studies

- **Eleonora Saggini**
  Adaptive Experimental Designs for Path-follwing Performance Assessment of Unmanned Vehicles

- **Chiara Tommasi, Laura Deldossi**
  PKL-Optimality Criterion in Copula Models for Efficacy-Toxicity Response

- **Noha Youssef**
  Optimal Design for Nonlinear Mixed Effects Models via Approximating Fisher Information Matrix