

## Abgeschlossene Dissertationen

### Betreuer: Prof. Andreas Futschik

- Hermann Philipp** (01.09.2015 – 11.09.2019) New Statistical Methods for Estimating Recombination
- Xu Yuehao:** (07.10.2019 – 06.10.2023) Approximate Bayesian Computation for inference on complex polygenic adaptation

### Betreuer: Prof. Werner Müller

- Yousefi Elham:** (11.01.2019 – 31.08.2022) Optimal Design Methods for Model Discrimination
- Perrone Elisa:** (10.2012 - 21.04.2016) Design of Experiments for Copula Models
- Awichi Richard:** (10.2010 - 26.06.2015) Spatiotemporal Imputations by an MSSA approach
- Hainy Markus:** (03.2012 - 26.06.2015) Simulations-based optimal experimental design for models with intractable likelihoods using likelihood-free methods
- Kapl Martin:** (2009) Erstellung und Evaluierung von Prognosemodellen des Warmband-Stahlpreises

### Betreuerin: Prof. Christine Duller

- Hainzer Marietta** (10.2016 – 10.2019) Crowdfunding im Public und Nonprofit-Bereich

### Betreuer: Prof. Milan Stehlik

- Pari Ruiz Mirtha:** (2019) Development of statistics for Cultural Concepts Measured by Linguistic Changes
- Salazar Ledys:** (2019) Time evolution copulas in FX market
- Londono-Londono Diana:** (2019) Statistical discrimination between mammary cancer and masthopathy
- Nunez-Soza Ludy:** (2018) Statistical assessment of extreme values of boron and arsenic in water of Arica and Parinacota
- Contreras Javier:** (2017) Generalized skew-normal negentropy and its applications

### Betreuerin: Prof. Helga Wagner

- Pauger Daniela:** (10.2013 – 16.02.2017) Sparse Bayesian Modelling for Categorical Predictors
- Dvorzak Michaela:** (10.2011 – 23.06.2016) Bayesian Analysis of underreported count data

### Betreuer: Prof. Pölz

- Wolfsegger Martin:** (2007) Statistical Inference in Serial Sacrifice Designs – Estimation and Comparing Pharmacokinetic Parameters in Animal Studies

## Zweitbetreuungen/Begutachtungen

### Zweitbetreuer: Prof. Werner Müller

- Benkova Eva:** (2023) Methods of computing exact optimal designs of experiments (Comenius Universität Bratislava)
- Dehideniya D.** (2019) Optimal Bayesian Experimental Designs for Complex Models (Queensland University of Technology)
- Rosa S.** (2016) Optimal Designs for Estimating Treatment Contrasts (Comenius Universität Bratislava)
- Scheiblhofer Peter:** (2015) Robust Multivariate Process Control of Multi-Way Data With Applications in Semiconductor Manufacturing (TU Graz)
- Heidl Wolfgang:** (2013) Machine Learned Models for Structural Behavior Differences
- Bukina Elena:** (2013) Asymptotically optimal gradient algorithm: Analysis and Implementation (Universität Nizza)
- Beer Christian:** (2011) Essays on Spatial Modeling: Empirical Methods with Applications to Farm Growth and the Housing Market (WU)
- Schmidinger Christoph:** (2011) Resiliency Dynamics in the DAX-30 XETRA Limit Order Book (JKU)
- Groder Peter:** (2011) The forward freight shippingmarket – a useful tool for risk management? (JKU)
- Abida Rachid:** (2010) Optimal design of monitoring networks for air quality - Construction optimale de réseaux fixes et mobiles pour la surveillance opérationnelle des rejets accidentels atmosphériques (Ecole Nationale des Ponts et Chaussées)
- Bettinger R.** (2009) Inversion d'un système par krigeage", (University of Nice/Sophia-Antipolis)
- Bruce D.** (2008) Optimal Design and Inference for Correlated Bernoulli Variables using a Simplified Cox Model", (Stockholm University)
- Eichinger N.** (2007) "Verrechnungspreise und Währungsumrechnung als Problemfelder im internationalen Controlling", (JKU Linz)
- Haselgruber N.** (2007) Sampling and Design of Large-Scale Life Time Experiments", (Technische Universität Graz)
- Martín-Martín R.** (2006) "Construction of optimal designs for models with uncontrolled variables (Universität Salamanca)

### Zweitbetreuerin: Prof<sup>in</sup>. Christine Duller

- Kücher Alexander:** (2018) Organizational Failure: Bibliometric analyses of the field and age dependent explanations for SME failure – Empirical evidence from Upper Austria
- Kuttner Michael:** (2019) Corporate Social Responsibility in Familienunternehmen, Rigorosum am 4.3.2019
- Sageder Martina:** (2019) Steuerung von multinationalen Unternehmen - Einflussfaktoren auf Controlling und Unternehmenssteuerung, Rigorosum am 13.3.2019

### Zweitbetreuerin: Prof<sup>in</sup>. Bettina Grün

- Malsiner-Walli Gertraud:** (2014) Parsimonious finite mixture models

### Zweitbetreuer: Prof. Andreas Quatember

- Ertz Florian:** (2017) Regression Modelling with Complex Survey Data (Uni Trier)
- Kowarik Alexander** (2015) New Computational Tools and Methods for Official Statistics (TU Wien)

**Zweitbetreuer: Assoz. Prof. Milan Stehlik**

**Pant Bhasker:** (2012) Machine learning for prediction of classes among molecular sequences of plant and animals

**Zweitbetreuerin: Prof<sup>in</sup>. Helga Wagner**

**Brunner-Kirchmair Thomas:** (2018) Der Einfluss der Corporate Governance auf die Performance von Mergers & Acquisitions

**Hainy Markus:** (2015) Simulations-based optimal experimental design for models with intractable likelihoods using likelihood-free

**Plankensteiner Kathrin:** (2015) Applications of Bayesian networks and stochastic models to predict smart power switch lifetime

**Fussl Agnes:** (2014) Bayesian inference for categorical data models with application to economics

**Kaar Johannes:** (2014) Taktisches IPO-Timing – eine empirische Analyse zur kurzfristigen Wahl des IPO-Zeitpunktes

**Begutachter: Prof. Werner Müller**

**Vollert Natalie:** Gaussian process surrogates with increased computer simulation output (Universität Klagenfurt)

**Schmidt Marius:** (2020) Optimale Versuchsplanung für Zähldaten mit zufälligen Blockeffekten (Uni Magdeburg)

**Rosa S.** (2016) Optimal Designs for Estimating Treatment Contrasts (Comenius Universität Bratislava)

**Scheiblhofer P.** (2015) Robust Multivariate Process Control of Multi-Way Data With Applications in Semiconductor Manufacturing (TU Graz)

**Bukina E.** (2013) Asymptotically optimal gradient algorithms: analysis and implementation (Université de Nice/Sophia Antipolis)

**Bettinger R.** (2009) Inversion d'un système par krigeage (University of Nice/Sophia-Antipolis)

**Bruce D.** (2008) Optimal Design and Inference for Correlated Bernoulli Variables using a Simplified Cox Model (Stockholm University)

**Haselgruber N.** (2007) Sampling and Design of Large-Scale Life Time Experiments (Technische Universität Graz)

**Martin-Martin R.** (2006) Construction of optimal designs for models with uncontrolled variables (Universität Salamanca)

## Laufende Dissertationen

### Betreuer: Prof. Werner Müller:

Allmesberger Lisa Marie:

### Betreuer: Andreas Futschik:

Wang Yuexuan: Bayesian estimates on finite alphabets with applications to haplotype reconstruction

### Betreuer: Andreas Quatember:

Meindl Bernhard: Improving tools and methods for statistical disclosure control

### Betreuerin: Helga Wagner

Fröhlich Markus: Data editing and nowcasting for industrial statistics - time series models and machine learning tools"

## Laufende Dissertationen – Zweitbetreuer

### Zweitbetreuer: Werner Müller

Ayoola Femi: (Uni Ibadan, Nigeria) „Estimating error components of panel econometric model in the presence of heteroscedasticity“

Muhammad Amin, Bahauddin Zakariya University Multan Pakistan

"Influence Diagnostic Methods in Generalized Linear Models with Biased Estimators".