

# Research/ Scientific Activities

## 1 Publications

### 1.1 Theses

1. *Iterative Dichte-Dekonvolution aufgrund verrauschter Beobachtungen*, diploma thesis (corresponding to master thesis), 2001, Mathematical Institute A, University of Stuttgart, Germany.
2. *Robustheitseigenschaften von Dekonvolutionsdichteschätzern bezüglich Missspezifikation der Fehlerdichte*, dissertation (corresponding to PhD thesis), 2003, Faculty of Mathematics and Physics, University of Stuttgart, Germany.
3. *Contributions to statistical deconvolution problems*, habilitation thesis (based on the papers 7., 8., 11., 14.), 2007 (accepted in 2008), Department of Mathematics, University of Stuttgart, Germany.

### 1.2 Articles in Scientific Journals

1. Hesse, C.H. & Meister, A. (2004). Optimal iterative density deconvolution. *J. Nonparametric Stat.* **16**, 879–900.
2. Meister, A. (2004). On the effect of misspecifying the error density in a deconvolution problem. *Canad. J. Statist.* **32**, 439–449.
3. Meister, A. (2005). Non-estimability in spite of identifiability in density deconvolution. *Math. Meth. Statist.* **14**, 479–487.
4. Meister, A. (2006). Density estimation with normal measurement error with unknown variance. *Statist. Sinica* **16**, 195–211.
5. Meister, A. (2006). Support estimation via moment estimation in presence of noise. *Statistics* **40**, 259–275.
6. Meister, A. (2006). Estimating the support of multivariate densities under measurement error. *J. Multivariate Anal.* **97**, 1702–1717; [erratum: (2008), **99**, 308].
7. Meister, A. (2007). Deconvolving compactly supported densities. *Math. Meth. Statist.* **16**, 63–76.
8. Meister, A. (2007). Optimal convergence rates for density estimation from grouped data. *Statist. Probab. Lett.* **77**, 1091–1097.
9. Hall, P. & Meister, A. (2007). A ridge-parameter approach to deconvolution. *Ann. Statist.* **35**, 1535–1558.

10. Delaigle, A. & Meister, A. (2007). Nonparametric regression estimation in the heteroscedastic errors-in-variables problem. *J. Amer. Statist. Assoc.* **102**, 1416–1426.
11. Meister, A. (2008). Deconvolution from Fourier-oscillating error densities under decay and smoothness restrictions. *Inverse Problems* **24**, 015003 (14 pages).
12. Delaigle, A., Hall, P. & Meister, A. (2008). On deconvolution with repeated measurements. *Ann. Statist.* **36**, 665–685.
13. Delaigle, A. & Meister, A. (2008). Density estimation with heteroscedastic error. *Bernoulli* **14**, 562–579.
14. Meister, A. (2008). Uniform and individual convergence rates for convex density classes. *Statistics & Decisions* **26**, 25–34.
15. Meister, A. (2009). On testing for local monotonicity in deconvolution problems. *Statist. Probab. Lett.* **79**, 312–319.
16. Meister, A., Stadtmüller, U. & Wagner, C. (2009). Consistent and rate-optimal density estimation from heteroscedastic data groups. *J. Statist. Plann. Inf.* **139**, 1893–1904.
17. Meister, A., Stadtmüller, U. & Wagner, C. (2010). Density deconvolution in a two-level heteroscedastic model with unknown error density. *Electron. J. Statist.* **4**, 36–57.
18. Meister, A. (2010). Nonparametric Berkson regression under normal measurement error and bounded design. *J. Multivariate Anal.* **101**, 1179–1189.
19. Meister, A. & Neumann, M.H. (2010). Deconvolution from non-standard error densities under replicated measurements. *Statist. Sinica* **20**, 1609–1636.
20. Delaigle, A. & Meister, A. (2011). Rate-optimal nonparametric estimation in classical and Berkson errors-in-variables problems. *J. Statist. Plann. Inf.* **141**, 102–114.
21. Meister, A. (2011). On general consistency in deconvolution mode estimation. *J. Statist. Plann. Inf.* **141**, 771–781.
22. Meister, A. (2011). Asymptotic equivalence of functional linear regression and a white noise inverse problem. *Ann. Statist.* **39**, 1471–1495.
23. Delaigle, A. & Meister, A. (2011). Nonparametric function estimation under Fourier-oscillating noise. *Statist. Sinica*, **21**, 1065–1092.
24. Delaigle, A. & Meister, A. (2011). Nonparametric regression analysis for group testing data. *J. Amer. Statist. Assoc.* **106**, 640–650.
25. Meister, A. & Reiß, M. (2013). Asymptotic equivalence for nonparametric regression with non-regular errors. *Prob. Theo. Rel. Fields* **155**, 201–229.

26. Jirak, M., Meister, A. & Reiß, M. (2014). Adaptive function estimation in nonparametric regression with one-sided errors. *Ann. Statist.* **42**, 1970–2002.
27. Delaigle, A., Meister, A. & Rombouts, J. (2016). Root-T consistent density estimation in GARCH models. *J. Econometrics* **192**, 55–63.
28. Meister, A. (2016). Optimal classification and nonparametric regression for functional data. *Bernoulli* **22**, 1729–1744.
29. Meister, A. & Kreiß, J.-P. (2016). Statistical inference for nonparametric GARCH models. *Stoch. Proc. Appl.* **126**, 3009–3040.
30. Hoderlein, S., Holzmann, H. & Meister, A. (2017). The triangular model with random coefficients. *J. Econometrics* **201**, 144–169.
31. Liese, F., Meister, A. & Kappus, J. (2019). Strong Gaussian approximation of the mixture Rasch model. *Bernoulli* **25**, 1326–1354.
32. Kappus, J., Liese, F. & Meister, A. (2020). Nonparametric estimation of the ability density in the Mixed-Effect Rasch Model. *Electron. J. Statist.* **14**, 2957–2987.
33. Holzmann, H. & Meister, A. (2020). Rate-optimal nonparametric estimation for random coefficient regression models. *Bernoulli* **26**, 2790–2814.
34. Delaigle, A. & Meister, A. (2021). Nonparametric density estimation for intentionally corrupted functional data. *Statist. Sinica* **31**, 1915–1934.
35. Kampf, J. & Meister, A. (2023). Testing for linearity in boundary regression models with application to maximal life expectancies. *Bernoulli* **29**, 1764–1791.
36. Butucea, C., Meister, A. & Rohde, A. (2025). Asymptotic equivalence of locally stationary processes and bivariate Gaussian white noise. *Ann. Statist.* **53**, 879–906.
37. Delaigle, A., Meister, A. & Zhang, J. (2025). Nonparametric curve estimation in measurement error problems with conditionally heteroscedastic variances. *Bernoulli*, to appear.

### 1.3 Scientific Books

1. Hesse, C.H. & Meister, A., *Übungsbuch zur angewandten Wahrscheinlichkeitstheorie* (in German), 2005, Vieweg, Braunschweig/ Wiesbaden.
2. Meister, A., *Deconvolution problems in nonparametric statistics*, Lecture Notes in Statistics, Vol. **193**, 2009, Springer, Berlin/Heidelberg/New York.

### 1.4 Essays/ Commentaries

1. Meister, A. (2024). On the relation between data science and statistics. Special Issue on “Statistical Methods for xAI“ in *Statistics* **58**, 478–480.

## 1.5 Submitted Preprints

1. Coopridge, J., Hoderlein, S. & Meister, A. (2019). A panel data estimator for the distribution and quantiles of marginal effects in nonlinear structural models with an application to the demand for junk food.
2. Holzmann, H. & Meister, A. (2024). Multivariate root-n-consistent smoothing parameter free matching estimators and estimators of inverse density weighted expectations.

## 2 Talks/ Conference Proceedings

1. *Robustheitseigenschaften von Dekonvolutionsdichteschätzern bezüglich Missspezifikation der Fehlerdichte*; PhD defense; University of Stuttgart, Germany; 7/23/2003
2. *Dichte-Dekonvolution mit unbekannter Fehlerdichte*; Ruprecht Karls University of Heidelberg, Germany; 12/11/2003
3. *Density deconvolution estimation with unknown error distribution*; Conference “Stochastik-Tage 2004” in Karlsruhe, Germany; 3/24/2004
4. *Support estimation under measurement error*; Conference „55th Session of the International Statistical Institute (ISI)“ in Sydney, Australia; 4/7/2005; chairman of the section „Theoretical Statistics – Estimation“
5. *Support estimation under measurement error*; University of Sydney, Australia; 6/10/2005
6. *Dichte-Dekonvolution unter Verwendung von Ridge-Parametern*; University of Stuttgart, Germany; 12/7/2005
7. *Ridge-parameter deconvolution*; Conference “Stochastik-Tage 2006” in Frankfurt a. M., Germany; 3/14/2006
8. *Dichte-Dekonvolution unter Verwendung von Ridge-Parametern*; University of Karlsruhe, Germany; 7/7/2006
9. *Nichtparametrische Dichteschätzung durch gemittelte Daten*; University of Ulm, Germany; 1/26/2007
10. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; Meeting of the Research Training Group 1100, Castle Reisenburg in Günzburg/ Donau, Germany; 3/12/2007
11. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; Georg August University of Göttingen, Germany; 7/16/2007
12. *Contributions to Statistical Deconvolution Problems*; University of Stuttgart, Germany; 10/15/2007
13. *Deconvolution from non-standard error densities*; Conference “Modern challenges of curve modeling: inverse problems and qualitative constraints” in Bristol, UK, 11/7/2007

14. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; University of Trier, Germany; 1/18/2008
15. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; Philipps University of Marburg, Germany, 1/25/2008
16. *Statistical deconvolution problems with Fourier-oscillating error densities*; University of Cambridge, UK; 2/1/2008
17. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; University of Rostock, Germany; 2/13/2008
18. *Heterogene Dekonvolutionsprobleme in der nichtparametrischen Statistik*; Meeting of the Research Training Group 1100, Castle Reisenburg in Günzburg/ Donau, Germany; 2/22/2008
19. *Analytische und numerische Methoden für stochastische Differentialgleichungen*; habilitation colloquium; University of Stuttgart, Germany; 5/7/2008
20. *Nonparametric estimation from data groups with applications in software testing*; University of Bristol, UK; 6/6/2008
21. *Nichtparametrische Schätzung aus Datengruppen mit Anwendungen bei Software-Tests*; University of Duisburg and Essen, Germany; 6/16/2008
22. *Nichtparametrische Schätzung aus Datengruppen mit Anwendungen bei Software-Tests*; University of Karlsruhe, Germany; 6/17/2008
23. *Nichtparametrische Schätzung aus Datengruppen mit Anwendungen bei Software-Tests*; Technological University of Braunschweig, Germany; 6/24/2008
24. *Statistical deconvolution problems with Fourier-oscillating error densities*; WIAS in Berlin, Germany; 7/2/2008
25. *Heterogene Dekonvolutionsprobleme*; University of Stuttgart, Germany; 7/14/2008
26. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; Ludwig Maximilian University of Munich, Germany; 7/30/2008
27. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; Saarland University, Germany; 9/24/2008
28. *Nichtparametrische Schätzung der Fehlerverteilung bei Software-Tests*; University of Hagen, Germany; 10/24/2008
29. *Nonparametric estimation of the error distribution in software testing*; Conference “Sparsity and Inverse Problems in Statistical Theory and Econometrics” in Berlin, Germany; 12/5/2008
30. *Nichtparametrische Schätzung der Fehlerverteilung bei Software-Tests*; University of Clausthal, Germany; 2/19/2009

31. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; Heinrich Heine University of Düsseldorf, Germany; 5/8/2009
32. *Statistische Dekonvolutionsprobleme mit Fourier-oszillierenden Fehlerdichten*; University of Potsdam, Germany; 7/24/2009
33. *Dekonvolutionen mit heterogenen Fehlerdichten*; Humboldt University of Berlin, Germany; 2/18/2010
34. *Asymptotic equivalence of functional linear regression and a white noise inverse problem*; Max Planck Institute for Demographic Research in Rostock, Germany; 2/25/2010
35. *Asymptotic equivalence of functional linear regression and a white noise inverse problem*; University of Melbourne, Australia; 3/12/2010
36. *Asymptotic equivalence of functional linear regression and a white noise inverse problem*; UNSW in Sydney, Australia; 3/19/2010
37. *Asymptotic equivalence of functional linear regression and a white noise inverse problem*; Monash University in Melbourne, Australia; 3/23/2010
38. *Nichtparametrische Schätzung der Fehlerverteilung bei Software-Tests*; Technological University of Darmstadt, Germany; 5/26/2010
39. *Ein asymptotischer Äquivalenzsatz für die lineare funktionale Regression*; University of Hamburg, Germany; 6/25/2010
40. *Deconvolution problems with heteroscedastic error distributions*; Boston College, USA; 9/13/2010
41. *Asymptotic equivalence for nonparametric regression with non-regular errors*; Conference “Structural Inference Day” in Hamburg, Germany; 4/18/2011
42. *Asymptotic equivalence for nonparametric regression with non-regular errors*; University of Melbourne, Australia; 9/6/2011.
43. *Asymptotic equivalence for nonparametric regression with non-regular errors*; Monash University in Melbourne, Australia; 9/9/2011.
44. *Nichtparametrische Regressionsanalyse für gruppierte Daten*; Satellite Meeting “Multiplizität und hochdimensionale Daten” at the DMV conference 2011 in Cologne, Germany; 9/21/2011.
45. *Asymptotic equivalence of functional linear regression and a white noise inverse problem*; Workshop “Very High Dimensional Semiparametric Models” at the Oberwolfach Research Institute for Mathematics, Germany; 10/7/2011.
46. *Nonparametric regression for group testing data*; Conference “Structural Inference Day” at the Weierstrass Institute for Applied Analysis and Stochastics in Berlin, Germany; 4/23/2012.

47. *Asymptotic equivalence of functional linear regression and a white noise inverse problem*; Conference “1st Conference of the International Society for NonParametric Statistics” in Chalkidiki, Greece; 6/15/2012.
48. *Fast density estimation in the GARCH model*; “Research in Econometrics Workshop”; Boston College, USA; 9/14/2012.
49. *Adaptive estimation in nonparametric regression with one-sided errors*; University of Melbourne, Australia; 9/10/2013.
50. *Funktionenschätzung in nichtparametrischen GARCH-Modellen*; Heinrich-Heine-Universität Düsseldorf, Germany; 1/22/2014.
51. *Nonparametric Statistical Inference for Extensions of GARCH Models*; Satellite Meeting “Conference on Modeling, Analysis and Simulation in Econometrics” of the 11th German Probability and Statistics Days in Ulm, Germany (3/6/2014); chairman of the section “Nonparametric Statistics and Functional Data Analysis” .
52. *Linear and nonparametric models in functional data analysis*; lecture series at the Humboldt University of Berlin, Germany; 6/11-13/2014.
53. *Nonparametric Statistical Inference for Extensions of GARCH Models*; “Australian Statistical Conference in conjunction with the Institute of Mathematical Statistics Annual Meeting” in Sydney, Australia; 7/9/2014.
54. *Optimal classification and nonparametric regression for functional data*; University of Melbourne, Australia; 7/16/2014.
55. *Nonparametric Statistical Inference for Extensions of GARCH Models*; Conference „Non- and Semiparametric Volatility and Correlation Models“ at the University of Paderborn, Germany; 7/26/2014; chairman of the session „Non- and semiparametric Extensions of GARCH Models“.
56. *Optimal classification and nonparametric regression for functional data*; Workshop “New Horizons in Statistical Decision Theory” at the Oberwolfach Research Institute for Mathematics, Germany; 9/11/2014.
57. *Optimal classification and nonparametric regression for functional data*; Conference “Statistischen Woche” at the Leibniz University of Hannover, Germany; 9/18/2014.
58. *Optimal classification and nonparametric regression for functional data*; Conference CFE/ERCIM 2014 in Pisa, Italy; 12/8/2014.
59. *Optimal classification and nonparametric regression for functional data*; Conference “Workshop on Stochastic Models, Statistics and their Applications” in Wroclaw, Poland; 2/17/2015.
60. *Linear and nonparametric models in functional data analysis*; lecture series at the Philipps University of Marburg, Germany; 3/26/2015.

61. *Optimal classification and nonparametric regression for functional data*; “Recent developments in statistics for complex dependent data” in Loccum, Germany; 8/30/2015.
62. *Asymptotic limit experiments of the mixture Rasch model*; seminar of the Department of Statistics at Yale University, New Haven, USA; 9/4/2015.
63. *Statistical inference for nonparametric GARCH models*; Econometrics Seminar at Boston College, USA; 9/11/2015.
64. *Nonparametric GARCH models*; Conference “Statistische Woche”, Helmut-Schmidt-University in Hamburg, Germany; 9/16/2015.
65. *Linear and nonparametric models in functional data analysis*; Minisymposium “Statistics on complex structures” at the DMV Conference at the University of Hamburg, Germany; 9/24/2015.
66. *Optimal classification and nonparametric regression for functional data*; Workshop “New developments in functional and highly multivariate statistical methodology” at the Oberwolfach Research Institute for Mathematics, Germany; 2/22/2016.
67. *Statistical inference for nonparametric GARCH models*; Seminar of SFB 823 at the TU Dortmund, Germany; 6/21/2016.
68. *Gaussian approximation of the mixture Rasch model with applications*; University of Melbourne, Australia; 9/15/2016.
69. *Starke Gauß’sche Approximation des Rasch-Mischungsmodells mit Anwendungen*; Albert Ludwigs University of Freiburg, Germany; 9/12/2016.
70. *Strong Gaussian approximation of the mixture Rasch model with applications*; Ruprecht Karls University of Heidelberg, Germany; 1/26/2017.
71. *Nonparametric density estimation for intentionally corrupted functional data*; Conference “Workshop on Stochastic Models, Statistics and their Applications” in Berlin, Germany; 2/23/2017; Chairman of the Session “Functional Data Analysis”.
72. *Nonparametric density estimation for intentionally corrupted functional data*; YPNG Seminar, Department of Statistics and Data Science, Yale University, New Haven, USA; 9/8/2017.
73. *Nonparametric density estimation for intentionally corrupted functional data*; Econometrics Seminar, Boston College, USA; 9/11/2017.
74. *Nonparametric density estimation for intentionally corrupted functional data*; Conference „Statistische Woche“ in Rostock, Germany; 9/20/2017.
75. *Strong Gaussian approximation of the mixture Rasch model*; “Séminaire commun de Statistique P6-P7” at the Université Paris 6, France; 11/21/2017.



76. *Nonparametric density estimation for intentionally corrupted functional data*; Technological University of Braunschweig, Germany; 1/28/2017.
77. *Nonparametric density estimation for intentionally corrupted functional data*; Research Seminar “Mathematical Statistics”, WIAS in Berlin, Germany; 12/6/2017.
78. *Nonparametric density estimation for intentionally corrupted functional data*; Statistics Department, University of Bonn, Germany; 1/10/2018.
79. *Starke Gauß’sche Approximation des Mischungs-Rasch-Modells*; Philipps University of Marburg, Germany; 2/8/2018.
80. *Strong Gaussian approximation of the mixture Rasch model*; gehalten am 19.6.2018 bei der conference “Matrix Estimation Meets Statistical Network Analysis: Extracting low-dimensional structures in high dimension” at the Oberwolfach Research Institute for Mathematics, Germany; 6/19/2018.
81. *Nonparametric density estimation for intentionally corrupted functional data*; CREST Paris, France; 9/10/2018.
82. *Nonparametric density estimation for intentionally corrupted functional data*; conference “Joint Meeting of the Korean Mathematical Society and the German Mathematical Society” in Seoul, South Korea; 10/4/2018.
83. *Nonparametric estimation in the mixture Rasch model*; conference “Mathematical Foundations of Statistical Uncertainty Quantification” in Freiburg, Germany; 2/18/2019.
84. *Nonparametric density estimation for intentionally corrupted functional data*; conference “10th International Workshop on Simulation and Statistics” in Salzburg, Austria; 9/4/2019.
85. *Nonparametric estimation in the mixed-effect Rasch model*; conference “High-Dimensional Covariance Operators and their Applications” at the Humboldt University of Berlin, Germany; 9/12/2019.
86. *A Panel Data Estimator for the Distribution and Quantiles of Marginal Effects in Econometric Non-linear Structural Models*; Statistics Seminar at the University of Melbourne, Australia; 9/26/2019.
87. *Nonparametric estimation of the ability density in the Mixed-Effect Rasch Model*; virtual talk; online conference “German Probability & Statistics Days Mannheim”; 9/27/2021; chairman of the section “Statistical Methodology”.
88. *Rate-optimal nonparametric estimation for random coefficient regression models*; International Symposium on Nonparametric Statistics in Paphos, Cyprus; 6/23/2022.
89. *Rate-optimal nonparametric estimation for random coefficient regression models*; “Econometrics & Statistics Seminar”, University of Bonn, Germany; 11/22/2022.
90. *Nonparametric estimation under Gaussian measurement error with conditionally heteroscedastic variances*; Statistics Colloquium of the Universities of Marburg and Gießen, Germany; 11/29/2022.

91. *Nonparametric estimation under Gaussian measurement error with conditionally heteroscedastic variances*; Conference “Meeting in Mathematical Statistics” at CIRM in Luminy, France; 12/12/2022.
92. *Nonparametric Estimation of the Ability Density in the Mixed-Effect Rasch Model*; “Statistics Seminar” of the University of Melbourne, Australia; 1/25/2023.
93. *Nonparametric estimation under Gaussian measurement error with conditionally heteroscedastic variances*; Conference “Stochastik-Tage 2023” in Essen, Germany; 3/7/2023.
94. *Nonparametric estimation under Gaussian measurement error with conditionally heteroscedastic variances*; “ISOR-Colloquium” of the University of Vienna, Austria; 4/17/2023.
95. *Nonparametric estimation under Gaussian measurement error with conditionally heteroscedastic variances*; Conference “Recent Advances in Nonparametric Statistics for Dependent Data” in Bamberg, Germany; 6/29/2023.
96. *Root-n consistent estimation of functionals of multivariate regression functions with application to random coefficient models*; Conference “11th Bernoulli-ims World Congress in Probability and Statistics” in Bochum, Germany; 8/15/2024.
97. *Nonparametric estimation under Gaussian measurement error with conditionally heteroscedastic variances*; Conference “COMPSTAT 2024” in Gießen, Germany; 8/27/2024.

### 3 Activities for Scientific Journals

#### 3.1 Referee

Advances in Statistical Analysis; Annals of Statistics; Bernoulli; Biometrics; Biometrika; Canadian Journal of Statistics; Communications in Statistics – Theory and Methods; Computational Statistics and Data Analysis; Econometric Theory; Econometrics; Electronic Journal of Statistics; Information and Inference; International Journal of Biostatistics; Inverse Problems; Journal of Computational and Graphical Statistics; Journal of Fourier Analysis and its Applications; Journal of Multivariate Analysis; Journal of Nonparametric Statistics; Journal of Productivity Analysis; Journal of the American Statistical Association; Journal of the Korean Statistical Society; Journal of the Royal Statistical Society, Ser. B; Journal of Statistical Planning and Inference; Metrika; Metron; Probability Theory and Related Fields; Sankhya; Scandinavian Journal of Statistics; Statistica Sinica; Statistical Papers; Statistics; Statistics and Computing; Statistics and Decisions; Statistics and Probability Letters; Statistics in Medicine; TEST; Vietnam Journal of Mathematics.

#### 3.2 Associate Editor

Statistics (2010–2015); Journal of Multivariate Analysis (since 2016); Metrika (since 2017).

### 3.3 Co-Editor

Statistics (since October 2015, jointly with R. Fried till 2017, jointly with M. Demetrescu till 2023, since 2023 jointly with P. Giudici).

## 4 Third Party Fundings

1. Project *Multi-level, multi-state, multi-time analysis of demographic event histories: Statistical aspects and application to morbidity description*, granted by the DFG (German Research Foundation), jointly with Prof. Dr. Rafael Weißbach and Prof. Dr. Gabriele Doblhammer-Reiter (both Faculty of Economic and Social Sciences at the University of Rostock), grant of a PhD position (65%, term: 2 years), 2018–2020, volume: 107,600 €.
2. Project III (*Supersmooth functional data analysis and PCA-preprocessing*) in the DFG Research Unit 5381 (*Mathematical Statistics in the Information Age – Statistical Efficiency and Computational Tractability*), jointly with Prof. Dr. Moritz Jirak (University of Vienna, Austria), grant of a PhD position (75%, term: 4 years), 2022–2026.

## 5 Organization of Conferences

1. Organization of the Conference “Statistical Methodology and Theory for Functional and Topological Data” at the Oberwolfach Research Institute for Mathematics, Germany, from 6/16/2019 to 6/22/2019 jointly with Aurore Delaigle (University of Melbourne, Australia), Victor Panaretos (EPFL, Switzerland) and Larry Wasserman (Carnegie Mellon University, USA).
2. Local organization of the first conference of the DFG Research Unit 5381 (Mathematical Statistics in the Information Age – Statistical Efficiency and Computational Tractability) at the University of Rostock from 9/22/2022 to 9/24/2022.

## 6 Academic Self-Administration at the University of Rostock

- Executive Director of the Institute for Mathematics (October 2012 – September 2014).
- Head of the hiring committee for the associate professorship on probability theory (2015–2016).
- Representative for Doctoral Studies at the Institute of Mathematics (since October 2016).
- Substitute Member of the Council of the Faculty of Mathematics and Science (October 2012 – September 2018).
- Member of several hiring committees.

May 2025