

27th March 2019

CURRICULUM VITAE

Name: **OSTAP OKHRIN**

Address: Chair of Statistics and Econometrics esp.
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Photo: Axel Stephan, Hochschulverband

Birth date and place: May 23, 1984; Lviv, Ukraine
 Marital status: married to Dr. Iryna Okhrin since Sep. 2007
 (daughter Sophie born in Dec. 2011, son Martin born in Jun. 2013)
 Citizenship: German

Languages native Ukrainian, fluent in English, German, Russian, some Polish

PROFESSIONAL POSITIONS – WERDEGANG

Mar. 2015 – *Professor (W3) of Statistics and Econometrics esp. Transportation, Department of Transportation, Technische Universität Dresden, Germany*

Apr. 2014 – Feb. 2015 *Associate Professor (W2) at the Chair of Statistics, Humboldt-Universität zu Berlin, Germany*

Apr. 2008 – Mar. 2014 *Assistant Professor (W1) at the Chair of Statistics, Humboldt-Universität zu Berlin, Germany*

Feb. 2006 – Mar. 2008 *Research Fellow at the Department of Statistics, European University Viadrina, Frankfurt (Oder), Germany*

EDUCATION – AUSBILDUNG

- Feb. 2008 Ph.D. in Economics with *summa cum laude*
European University Viadrina, Frankfurt (Oder), Germany
Title: "*Hierarchical Archimedean Copula: Structure Determination, Properties, Applications*"
Supervisor: Prof. Dr. Wolfgang Schmid
- June 2005 M.Sc. in Statistics with *summa cum laude*
Ivan Franko National University of Lviv, Ukraine
Title: "*Asymptotic behavior of the S-stopped branching processes with the countable number of types of particles*"
Supervisor: Prof. Dr. Yaroslav Yeleyko
- June 2004 Bachelor in Mathematics
Ivan Franko National University of Lviv, Ukraine
Supervisor: Prof. Dr. Yaroslav Yeleyko
- June 2000 Lviv Academic Gymnasium, Ukraine

TEACHING – LEHRE

Undergraduate level

Statistics I (tutorials (SS 07, 08) and lectures (SS 09–11, 14–), in German/English)
Statistics II (tutorials (WS07/08) and lectures (WS08/09, WS15/16–), in German)
Investments (tutorials (SS05), in Ukrainian)

Master level (lectures in English)

Statistics of Financial Markets I (WS10/11)
Statistics of Financial Markets II (SS11, 13)
Multivariate Statistical Analysis I (WS 09/10, 10/11, 12/13, 14/15, 15/16, SS 16–)
Multivariate Statistical Analysis II (SS08, 13–)
Data-Driven Statistics (WiSe17/18–)
Statistical Programming Languages (SS09, SS19–)
Financial Econometrics (SS14)

PhD Level (lectures in English)

Statistical Tools in Finance and Insurance (WS 08/09, 09/10 (Socrates Program for lecturers in Wroclaw, Poland), WS11/12, WS 13/14)
Selected Topics of Mathematical Statistics (WS 11/12–14/15)

PROF. ACTIVITIES – BERUFL. TÄTIGKEITEN

TEDx Dresden talk: "*How Statistics Supports our Intuition*" (<https://youtu.be/V3fSVFc850>)

Co-organizer of the

SMSA 2019 Conference, Dresden, Germany, March 2019
Statistical Bazar at DAGStat Conference, Munich, German, March 2019
2016, 2018 Session at CFE-CMStatistics

Co-responsible for Nachwuchsworkshops at Statistische Woche 2014–.

Workshop on “*Stochastic Models, Statistics and their Application*”, Dresden, March, 2019

Workshop on “*Integration of Transportation, Statistics and Big Data*”, Dresden, July, 2017

Workshop on “*Big Data in Transport Management*” with J. Schönberger, Dresden, June, 2017

Workshop on “*Applied Statistics*”, Dresden, March, 2016

Dresden-Berlin Workshop on “*High-Dimensionality of Transport and Digital Economy*”, Dresden, October, 2015

Humboldt-Princeton Conference, Princeton, USA, November 2013

Section on “*Copulae*” in “*Applicable Semiparametrics*”, Berlin, Germany, October 2013

Section on “*Statistics in Finance, Insurance and Banking*” in “*DAGStat 2013*”, Freiburg, Germany

Copulae in Mathematical and Quantitative Finance, Cracow, Poland, July 2012

Märkische Schweiz Summer School on Statistics in Finance and Insurance, Berlin, May 2012

Section on “*Finanzstatistik*” in “*Statistische Woche 2011*”, Leipzig, Germany

C.A.S.E. Distinguished Lecture Series 2011, Berlin, January 2011

Workshop on “*Copulae: Theory and Practice*”, Berlin, December 2007

4th All-Ukrainian “*Theoretical and Applied Aspects of the Analysis of the Financial Systems*”, Lviv, Ukraine, May 2005

3rd All-Ukrainian Scientific Conference for Graduate and Postgraduate, Lviv, Ukraine, April 2004

External advisor in selection committees

Assistant Professorship in Economic Statistics SECS-S/03, 2017, University Bozen/Bolzano, Italy

Assistant Professorship in Quantitative Agrarökonomie, 2015, HU Berlin, Germany

Scientific Committee of the

International Workshop on Computational Intelligence and Data Mining (WCIDM) 2016, 2017, Martinské hole, Slovakia

Copulae in Mathematical and Quantitative Finance, Crakow, Poland, July 2012

Humboldt-Copenhagen Conference, Berlin, Germany, March 2009

Member of the

2010-2015, BDPEMS – Berlin Doctoral Program in Economics & Management Science (<http://www.doctoralprogram.de>)

2009-2015, commission of the *Master of Science in Statistics* (www.stat.de)

Hochschulverband, Deutsche Statistische Gesellschaft, Econometric Society, Society of Financial Econometrics

Head of the sub/projects

- great!ipid4all through DAAD with Prof. Dr. Durante (Uni Bolzano, Italy)
- Dresdner Senior Fellowship for Prof. Peter X.-K. Song, PhD (University of Michigan, USA)
- 2013–2015 Project “*Copulae*” in IRTG 1792 “*High Dimensional Non Stationary Time Series*”
- 2011–2012 “*Entwicklung dynamisches Marktmodell*” (F249), financed by Deutsche Telekom (50K Euro)
- 2008–2015 “*Copulae in Finance*” in the C.A.S.E. – Center for Applied Statistics and Economics

- 2008–2016 B10: “*Dynamic Copula Models*” in the CRC 649 (150K Euro)

Associate Editor

- 2010– *AStA Advances in Statistical Analysis*, <http://link.springer.com/journal/10182>
- 2011– *Computational Statistics*, <http://link.springer.com/journal/180>
- 2015– Editorial Review Board of *Frontiers in Applied Mathematics and Statistics*, <http://www.frontiersin.org/>
- 2015– Editorial Board of *Dependence Modeling*, <http://www.degruyter.com/view/j/demo>
- guest Editor of Special Issue on “Copulae” in *Statistics and Risk Modeling*
- guest Editor with S. Trück of Special Issue on “Applicable Semiparametrics” in *Computational Statistics*

Referee

Econometrica, Journal of Econometrics, Journal of Applied Econometrics, Journal of the American Statistical Association, Journal of Business & Economic Statistics, Journal of Multivariate Analysis, Statistics, Quantitative Finance, Computational Statistics and Data Analysis, Journal of Time Series Analysis, Electronic Journal of Statistics, Nonlinear Analysis, AStA Advances in Statistical Analysis, Computational Statistics, The Quarterly Review of Economics and Finance, Metrika, Canadian Journal of Statistics, Agricultural Finance Review, International Review of Economics & Finance, International Journal of Approximate Reasoning, European Journal of Operational Research, Proceedings of Rijeka School of Economics: Journal of Economics and Business, Dependence Modeling, International Journal of Computational Economics and Econometrics, Lifetime Data Analysis, Economics Bulletin, North American Journal of Economics and Finance, International Journal of Information Technology & Decision Making, Transaction of Knowledge and Data Engineering, Risks, Journal of Environmental Planning and Management, Mathematical Problems in Engineering, International Journal of Theoretical and Applied Finance, Agricultural Economics, International Journal of Financial Studies, Journal of Banking and Finance, Stochastic Environmental Research and Risk Assessment, International Journal of Disaster and Risk Science, Journal of Applied Statistics, Statistical Papers, Statistics and Computing, Statistics & Risk Modeling, Transportation Research Series A, Energies.

Other

- Packages for R:
 - cran.r-project.org/web/packages/HAC with A. Ristig
 - cran.r-project.org/web/packages/gofCopula with S. Trimborn, S. Zhang, M. Zhou
- 2013–2015 Coordinator cooperation HU Berlin - ENSAE Paris, ENSAI Rennes
- 2017– Coordinator cooperation TU Dresden - SWUFE, Chengdu, China
- 2011–2014 Head of the Local Electoral Board in School of Business and Economics, HU-Berlin
- 2016–2018 Member of the Faculty Board
- 2016– Representative of the Faculty in the Internationalization Work Group

PhD STUDENTS – NACHWUCHS

First advisor:

Nicolas Fischer (TUD), "*Entwicklung eines mikroskopischen Verkehrsflussmodells für Binnenwasserstraßen*", 2018, Second Advisor: TBA, First job: TBA

Ya-Fei Xu (HU Berlin), "*High dimensional quantitative finance: dependence modeling and online surveillance*", 01.02.2018, Second Advisor: Bernd Droge, First job: Data Scientist at TAL

Alexander Ristig (HU Berlin), "*High-Dimensional Time Series*", 14.06.2015, Second advisor: Wolfgang K. Härdle, First job: PostDoc, Department of Statistics and Operations Research, University of Vienna.

Second advisor:

Anastasija Teterewa (Uni. St. Gallen), "*Essays on Multivariate Modelling of Financial Markets Using Copula and Sentiment Networks*", 19.04.2018, First advisor: Francesco Audrino

Benjamin Poignard (Dauphine Universite Paris), "*Approches nouvelles des modles GARCH multivariés en grande dimension*", 15.06.2018, First advisor: Jean-David Fermanian

Stephan Stahlschmidt (HU Berlin), "*Towards Causal Reasoning: Notes on Dimension Reduction, Graphical Models and Treatment Effects*", 12.12.2014, First advisor: Wolfgang K. Härdle

Zhiwei Shen (HU Berlin), "*Challenges of Index-based Insurance in Agriculture*", 05.09.2014, First advisor: Martin Odening

Barbara Chorós-Tomczyk (HU Berlin), "*Copula Dynamics in Collateralized Debt Obligations*", 14.08.2013, First advisor: Wolfgang K. Härdle

Elena Silyakova (HU Berlin), "*Modelling Implied Correlation Dynamics*", 29.04.2013, First advisor: Wolfgang K. Härdle

Roman Timofeev (HU Berlin), "*Statistical Aspects of Stock Pricing and Risk Averse Behavior*", 27.08.2010, First advisor: Wolfgang K. Härdle

Uwe Ziegenhagen (HU Berlin), "*Essays on the use of e-Learning in statistics and the implementation of statistical software*", 20.03.2009, First advisor: Wolfgang K. Härdle

BOOKS – BÜCHER

Basic Elements of Computational Statistics, *Springer International Publishing*, 2017, Hardcover ISBN: 978-3-319-55335-1, eBook ISBN: 978-3-319-55336-8 (with W. K. Härdle, Y. Okhrin)

REFEREED PUBLICATIONS – REFERIERTE PUBLIKATIONEN

1. Index of Environmental Awareness through MIMIC Approach, to appear in *Papers in Regional Science*, DOI: 10.1111/pirs.12420 (with D. Khakimova, S. Lösch, D. Wende, H. Wiesmeth)
2. Flexible HAR Model for Realized Volatility, to appear in *Studies in Nonlinear Dynamics & Econometrics*, DOI: 10.1515/snde-2017-0080 (with F. Audrino and C. Huang)
3. Awareness of Climate Change: Difference Among Russian Regions, to appear in *Area Development and Policy*, DOI: 10.1080/23792949.2018.1514982 (with S. Lösch and H. Wiesmeth)

4. Optimal Shrinkage Estimator for High-Dimensional Mean Vector, *Journal of Multivariate Analysis* 170, 2019, pp. 63-79, DOI: 10.1016/j.jmva.2018.07.004, (with T. Bodnar and N. Parolya)
5. Optimal Pension System: Case Study, *Economics & Sociology* 11(1), 2018, pp. 267-292, DOI: 10.14254/2071-789X.2018/11-1/18 (with A. Nepp, V. Larionova, A. Sesekin)
6. Adaptive local parametric estimation of crop yields: Implications for crop insurance ratemaking, *European Review of Agricultural Economics* 45(2), 2018, pp. 173-203, DOI: 10.1093/erae/jbx028 (with Z. Shen and M. Odening)
7. Qui se ressemblent s'assemblent, *Accromath*, 13 (1), 2018, pp. 14-19 (with C. Genest and J.-F. Plante)
8. A Comparison Study of Pricing Credit Default Swap Index Tranches with Convex Combination of Copulae, *The North American Journal of Economics and Finance* 42, 2017, pp. 193-217, DOI: 10.1016/j.najef.2017.07.004 (with Y.-F. Xu)
9. The realized hierarchical Archimedean copula in risk modelling, *Econometrics* 5(2), 26, 2017, DOI: 10.3390/econometrics5020026 (with A. Tetereva)
10. Localising temperature risk, *Journal of the American Statistical Association*, 111 (516), 2016, pp. 1491-1508, DOI: 10.1080/01621459.2016.1180985 (with W. K. Härdle, B. López Cabrera, W. Wang)
11. Goodness-of-fit Test For Specification of Semiparametric Copula Dependence Models, *Journal of Econometrics*, 193, 2016, pp. 215-233, DOI: 10.1016/j.jeconom.2016.02.017 (with S. Zhang, Q. M. Zhou and P. X.-K. Song)
12. Managing Risk with a Realized Copula Parameter, *Computational Statistics and Data Analysis*, 100, 2016, pp. 131-152, DOI: 10.1016/j.csda.2014.07.011 (with M. R. Fengler).
13. A Semiparametric Factor Model for CDO Surfaces Dynamics, *Journal of Multivariate Analysis*, 146, 2016, pp. 151-163, DOI: 10.1016/j.jmva.2015.09.002 (with W. K. Härdle and B. Choroś-Tomczyk)
14. Can expert knowledge compensate for data scarcity in crop insurance pricing?, *European Review of Agricultural Economics*, 43(2), 2016, pp. 237-269, DOI: 10.1093/erae/jbv015 (with M. Odening and Z. Shen)
15. Lévy copulae for financial returns, *Dependence Modeling*, 4, 2016, pp. 288-305, DOI: 10.1515/demo-2016-0017
16. Hidden Markov structures for dynamic copulae, *Econometric Theory* 31(5), 2015, pp 981-1015, DOI: 10.1017/S0266466614000607 (with W. K. Härdle, W. Wang)
17. Editorial to the special issue on "Applicable Semiparametrics" of Computational Statistics, *Computational Statistics* 30(3), pp 641-646, 2015, DOI: 10.1007/s00180-015-0616-4 (with S. Trueck).
18. Modelling spatiotemporal variability of temperature, *Computational Statistics* 30(3), 2015, pp 745-766, DOI: 10.1007/s00180-015-0561-2 (with X. Cao, M. Odening and M. Ritter)
19. Estimation procedures for exchangeable Marshall copulas with hydrological application, *Stochastic Environmental Research and Risk Assessment* 29, 2015, pp 205-226, DOI: 10.1007/s00477-014-0866-7 (with F. Durante) (IF 1.961).
20. Hierarchical Archimedean Copulae: The HAC Package, *Journal of Statistical Software* 58(4), 2014, pp 1-20, (with A. Ristig) (IF 2.647, <http://www.jstatsoft.org/v58/i04>)

21. Conditional Least Squares and Copulae in Claims Reserving for a Single Line of Business, *Insurance: Mathematics and Economics* 56, 2014, pp 28–37, DOI: 10.1016/j.insmatheco.2014.02.007 (with M. Pešta)
22. Modelling general dependence between commodity forward curves, *Energy Economics* 43, 2014, pp 284–296, DOI: 10.1016/j.eneco.2014.02.019 (with M. Zolotko)
23. Determining the structure and estimation of hierarchical Archimedean copulas, *Journal of Econometrics* 173 (2), 2013, pp 189–204, DOI: 10.1016/j.jeconom.2012.12.001 (with Y. Okhrin and W. Schmid)
In top 10 most cited papers in Journal of Econometrics since 2012, checked on 27.07.2017
In top 5 most cited papers in Journal of Econometrics since 2013, checked on 25.06.2018
(<https://www.journals.elsevier.com/journal-of-econometrics/most-cited-articles>).
24. Editorial to the special issue on Copulae of Statistics & Risk Modeling, *Statistics and Risk Modeling* (former Statistics and Decisions), 30(4), 2013, pp 281–286, DOI: 10.1524/strm.2013.9014.
25. Dynamic Structured Copula Models, *Statistics and Risk Modeling* (former Statistics and Decisions), 30(4), 2013, pp 361–388, DOI: 10.1524/strm.2013.2004 (with W. K. Härdle, Y. Okhrin)
26. Valuation of Collateralized Debt Obligations with Hierarchical Archimedean Copulae, *Journal of Empirical Finance* 24, 2013, pp 42–62, DOI: 10.1016/j.jempfin.2013.08.001 (with W. K. Härdle and B. Choroś-Tomczyk)
27. Properties of hierarchical Archimedean copulas, *Statistics and Risk Modeling* (former Statistics and Decisions) 30 (1), 2013, pp 21–53, DOI: 10.1524/strm.2012.1071 (with Y. Okhrin and W. Schmid)
28. Systemic Weather Risk and Crop Insurance: The Case of China, *Journal of Risk and Insurance* 80(2), 2013, pp 351–372, DOI: 10.1111/j.1539-6975.2012.01476.x (with M. Odening and W. Xu)
29. On the Generating Functional of the special case of S -Stopped Branching Processes, *Visn. L'viv. Univ., Ser. Mekh.-Mat. (Bulletin of the Lviv University), Series in Mechanics and Mathematics*: 74, 2011, pp. 157–167 (preprint available at <http://arxiv.org/abs/1108.1675>)
30. On the Systemic Nature of Weather Risk. *Agricultural Finance Review*: 70(2), 2010, pp. 267–284 (with M. Odening, G. Filler and W. Xu).
31. De copulis non est disputandum, *AStA - Advances in Statistical Analysis*: 94(1), 2010, pp. 1–31 (with W. K. Härdle)
32. Asymptotic behavior of the S -stopped branching processes with countable state space, *Visn. L'viv. Univ., Ser. Mekh.-Mat. (Bulletin of the Lviv University), Series in Mechanics and Mathematics*: 67, 2007, pp. 119–129. (with Y. Yeleyko and I. Kyrychynska, preprint available at <http://arxiv.org/abs/1108.1513>)

OTHER PUBLICATIONS – ANDERE PUBLIKATIONEN

1. Awareness of climate change (focus on the Russian Arctic zone), *Proceedings of the International Research Workshop on Information Technologies and Mathematical Modeling for Efficient Development of Arctic Zone*, Yekaterinburg, Russia, April 19–21, 2018, pp 38–42, (with S. Lösch and H. Wiesmeth)
2. Fahrdynamikbasierte Entscheidungsmodelle zur mikroskopischen Simulation des Verkehrsflusses auf Binnenwasserstraßen, *Bundesanstalt für Wasserbau (BAW) (publisher): Wasserbauliche Herausforderungen an den Binnenschifffahrtsstraen. Karlsruhe: Bundesanstalt für Wasserbau (BAW)*, pp. 61–66, 2017, URL: <https://henry.baw.de/handle/20.500.11970/104383> (with N. Fischer and M. Treiber).

3. Diffusion of Environmental Awareness, *Diffusion Fundamentals* 30, 2017, pp. 1–16 (with S. Lösch and H. Wiesmeth)
4. Copulae in High Dimensions: An Introduction, in: C. Chen, W. K. Härdle and L. Overbeck (eds.), *Applied Quantitative Finance*, third ed. (2017), Springer Verlag, (with A. Ristig and Y. Xu), pp. 247–277, DOI: 10.1007/978-3-662-54486-0_13
5. Can expert knowledge compensate for data scarcity in crop insurance pricing?, Selected paper AAEA Annual Meeting 2013, Washington D.C. (with Z. Shen and M. Odening)
6. Modeling Time-Varying Dependencies between Positive-Valued High-Frequency Time Series, in: P. Jaworski, F. Durante and W.K.Härdle (eds.), *Copulae in Mathematical and Quantitative Finance*, (2013), Springer Verlag. (with A. Ristig and N. Hautsch)
7. HMM and HAC, *Advances in Intelligent Systems and Computing* Volume 190, 2013, pp 341-348, DOI 10.1007/978-3-642-33042-1_37 (with W. K. Härdle and W. Wang)
8. CDO Pricing with Copulae, *In Bulletin of the International Statistical Institute, 57th Session Durban Vol. 57. Bulletin of the International Statistical Institute*, 2009, (with B. Choroś and W. K. Härdle)
9. Fitting high-dimensional Copulae to Data, in: J.-C. Duan, J. E. Gentle, and W. K. Härdle (eds.), *Handbook of Computational Finance*, (2011) Springer Verlag, pp. 469-503.
10. Modeling Dependencies with Copulae, in: W. K. Härdle, N. Hautsch and L. Overbeck (eds.), *Applied Quantitative Finance*, second ed. (2008), Springer Verlag, pp. 3-36. (with W. K. Härdle and Y. Okhrin)
11. Portfolio selection based on the internal yield requirement, proceedings of *7th international workshop for young mathematicians: Applied Mathematics*, Cracow, 2005, pp. 131-149 (with I. Yatsyshynets and Y. Yeleyko)
12. Renewal theory and stock returns, *Applied statistics. Actuarial and Financial Mathematics. #1-2*, pp. 217-218, 2004 (with Y. Yeleyko, in ukrainian)

PAPERS IN PROGRESS – VERÖFFENTLICHUNGEN

1. Statistical modeling of the required space for inland vessels, submitted on 27.03.2019 (with N. Fischer)
2. A Nonparametric Multivariate Control Chart for High-Dimensional Financial Surveillance, submitted on 24.11.2017 (with Y.-F. Xu)
3. Penalized Estimation of Hierarchical Archimedean Copula, submitted on 24.11.2016 (with A. Ristig)
4. Quantifying effects of extreme events with applications to financial crises, submitted on 15.09.2017 (with A. Ristig, J. Sheen, S. Trueck)

CONFERENCES – KONFERENZEN

- Dec. 2018 CFE-CMStatistics 2018, Pisa, Italy
 Sep. 2018 International Seminar on the Frontiers of Data Science at SWUFE in Chengdu, China
 Sep. 2018 Workshop on Dependence Modelling, Aegina, Greece
 Sep. 2018 Statistische Woche, Linz, Austria
 Mar. 2018 Verkehrswissenschaftliche Tage: Grenzloser Verkehr, Dresden, Germany

- Oct. 2017 Sino German workshop on “DEDA - Digital Economy & Decision Analytics”, Xiamen, China
- Sep. 2017 **Invited Speaker** at the *Computational Intelligence and Data Mining - 5th international workshop*, Martin, Slovakia
- Jul. 2017 Workshop on “*Integration of Transportation, Statistics and Big Data*”, Dresden, Germany
- Jul. 2017 “*Copulas and Their Applications. To commemorate the 75th birthday of Professor Roger B. Nelsen*”, Almeria, Spain
- Dec. 2016 CFE-CMStatistics 2016, Sevilla, Spain
- Oct. 2016 Abschlußkolloquium CRC 649, Berlin, Germany
- Oct. 2016 Workshop on “*Statistics in Finance and Process Monitoring*”, Frankfurt/Oder, Germany
- Sep. 2016 Ferienakademie, Sarntal/Southtirol, Italy
- Sep. 2016 Salzburg workshop on dependence models and copulas, Salzburg, Austria
- Sep. 2016 40th Annual Meeting of the Italian Association for Mathematics Applied to Economic and Social Sciences (AMASES), Catania, Italy
- Sep. 2016 Statistische Woche, Augsburg, Germany
- Jul. 2016 Summer Research Workshop: *Quantitative Methods in Economics*, Cottbus, Germany
- Jun. 2016 9th Annual SoFiE Conference, Hong Kong
- May 2016 Dependence modeling in Finance, Insurance and Environmental Science, Munich, Germany
- Mar. 2016 DAGStat 2016, Göttingen, Germany
- Dec. 2015 Invited talk at the CFE-ERCIM, London, UK
- Oct. 2015 Dresden-Berlin Workshop on “*High-Dimensionality of Transport and Digital Economy*”, Dresden, Germany
- Okt. 2015 Viadrina Days on Empirical Economics, Frankfurt/Oder, Germany
- Sep. 2015 Statistische Woche 2015, Hamburg, Germany (co-responsible for the Nachwuchsworkshop)
- Jul. 2015 WISE-CASE Workshop on Econometrics and Statistics, Xiamen, China
- Jun. 2015 8th Annual SoFiE Conference, Aarhus, Denmark
- Apr. 2015 Oberwolfach Workshop on “*Copulae: on the crossroads of mathematics and economics*”, Oberwolfach, Germany
- Dec. 2014 CFE-ERCIM, Pisa, Italy
- Oct. 2014 Humboldt-Aarhus-Xiamen Workshop 2014, Berlin, Germany
- Sep. 2014 Joint Meeting of the German Mathematical Society (DMV) and the Polish Mathematical Society (PTM), Poznan, Poland
- Sep. 2014 Statistische Woche 2014, Hannover, Germany (co-responsible for the Nachwuchsworkshop)
- Aug. 2014 21st International Conference on Computational Statistics, Genf, Switzerland
- Jul. 2014 Workshop “*Non- and Semiparametric Volatility and Correlation models*”, Paderborn, Germany
- May 2014 Workshop “*Methods and Challenges in Financial Risk Measurement*”, Kloster Druebeck, Germany
- Nov. 2013 Princeton-Humboldt Conference, Princeton, USA
- Nov. 2013 **Invited talk** at “*DyMaMo Konferenz 2013*”, organized by Deutsches Telekom AG, Bonn, Germany
- Sep. 2013 Statistische Woche 2013, Berlin, Germany
- Sep. 2013 Workshop “*Copula modeling: New challenges and techniques*”, München, Germany
- Apr. 2013 MCTN Conference, Konstanz, Germany
- Dec. 2012 Invited talk at the CFE-ERCIM 2012, Oviedo, Spain
- Sep. 2012 6th International Conference on Soft Methods in Probability and Statistics, Konstanz, Germany
- Sep. 2012 *International Conference dedicated to 120-th anniversary of STEFAN BANACH*, Lviv, Ukraine
- Jul. 2012 *Copulae in Mathematical and Quantitative Finance*, Cracow, Poland
- May 2012 Märkische Schweiz Summer School on *Statistics in Finance and Insurance*, Bukow, Germany
- May 2012 *Methods and Challenges in Financial Risk Measurement 2012*, Kloster Druebeck, Germany
- Apr. 2012 Workshop on “*Risk and Dependence in Economics and Finance*”, Bolzano, Italy
- Jan. 2012 Energy Finance Workshop, Stolberg (Harz), Germany

- Oct. 2011 Workshop on “*Statistical Analysis of Financial Data*”, Rijeka, Croatia
 Sep. 2011 Statistische Woche 2011, Leipzig, Germany
 Aug. 2011 ISI 2011, Dublin, Ireland
 Jun. 2011 IME 2011, Trieste, Italy
 Jun. 2011 ASMDA 2011, Rome, Italy
 May 2011 Invited talk at “4th Workshop on Vine Copula Distributions and Applications”, München, Germany
 Jan. 2011 Risk Calibration Workshop, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan
 Dec. 2010 Invited talk at the CFE-ERCIM 2010, London, UK
 Sep. 2010 Statistische Woche 2010, Nuremberg, Germany
 Jul. 2010 Symposium on “*High-Dimensional Data in Empirical Finance*”, Dortmund, Germany (invited discussant)
 Jun. 2010 Symposium on “*Computational Finance*”, Singapore (session chair)
 Mar. 2010 DAGStat 2010, Dortmund, Germany
 Mar. 2010 Workshop on “*High-Dimensional Data Analysis in Economics*”, Zagreb, Croatia
 Oct. 2009 Perceiving and Measuring Financial Risk: Credit, Energy and Illiquidity, Princeton, USA (session chair)
 Oct. 2009 Statistische Woche 2009, Wuppertal, Germany
 Sep. 2009 Workshop on “*Copula Theory and its Applications*”, Warsaw, Poland
 Jul. 2009 The 64th European Meeting of the Econometric Society and the 24th Annual Congress of the European Economic Association, EEA-ESEM 2009, Barcelona, Spain
 Jul. 2009 Invited talk at the *International Symposium on Risk Management and Derivatives 2009*, Xiamen, China
 Dec. 2008 Invited talk at the 4th *World Conference of the IASC 2008*, Yokohama, Japan
 Oct. 2008 International Conference on Price, Liquidity, and Credit Risk, Konstanz, Germany
 Sep. 2008 First Summer School on Copulas, Linz, Austria
 Mar. 2008 8th German Open Conference on Probability and Statistics, Aachen, Germany (session chair)
 Dec. 2007 Workshop on “*Copulae: Theory and Practice*”, Berlin, Germany
 May 2007 Radon Workshop on Financial and Actuarial Mathematics for Young Researchers, Linz, Austria
 Mar. 2007 DAGStat 2007, Bielefeld, Germany
 Sep. 2005 7th International Workshop for Young Mathematicians: Applied Mathematics, Cracow, Poland
 May 2005 4th All-Ukrainian Scientific Conference for Graduate and Postgraduate “*Theoretical and Applied Aspects of the Analysis of the Financial Systems*”, Lviv, Ukraine
 Apr. 2004 Economics in the Postcommunist Countries under Globalization, Lviv, Ukraine
 Apr. 2004 3rd All-Ukrainian Scientific Conference for Graduate and Postgraduate, Lviv, Ukraine
 Apr. 2004 7th All-Ukrainian Students Scientific Conference in Programming and Applied Mathematics, Lviv, Ukraine
 Mar. 2004 Problems and Perspectives of the Ukrainian's Finance-Credit System, Lviv, Ukraine

RESEARCH VISITS – FORSCHUNGSAUFENTHALTE

- 1-8.07.2018 SWUFE Global Academy, Chengdu, China
 1-21.10.2018 Department of Applied Finance, Macquarie University, hosted by A. Singh, Sydney, Australia
 21–24.06.2017 Institut für Statistik, Leibniz Universität Hannover, hosted by N. Parolya, Hannover, Germany
 03–10.06.2017 Chair of Economics and Econometrics, University Konstanz, hosted by R. Halbleib, W. Pohlmeier, Konstanz, Germany
 17–25.06.2016 Center of Statistical Research in Southwestern University of Finance and Economics, Hosted by S. Zhang, Chengdu, China

- 1–7.09.2014 Department of Statistics and Operations Research, Universität Wien, hosted by N. Hautsch, Vienna, Austria
- 10–17.03.2013 Department of Mathematics, Instituto Superior Técnico Lisbon, hosted by M. C. Morais, Lisbon, Portugal
- 3–10.03.2013 Economics Department, Universidad Carlos III de Madrid, hosted by A. Taamouti, Madrid, Spain
- 29.09–05.10.2012 Faculty of Economics at the University of Rijeka, hosted by S. Zikovic, Rijeka, Croatia
- 15–25.05.2012 Stevanovitch Center for Financial Mathematics at the University of Chicago, hosted by P. Mykland, Chicago, USA
- 7–22.04.2012 Chair of Statistics, Universität Augsburg, hosted by Yarema Okhrin, Augsburg, Germany
- 1–31.03.2012 Faculty of Biostatistics, University of Michigan, hosted by Peter X. Song, Ann Arbor, USA
- 21.02–22.03.2011 ORFE, Princeton University, hosted by J. Fan, Princeton, USA
- 10–21.01.2011 Academia Sinica, hosted by C.-D. Fuh, Taipei, Taiwan

SEMINARS – SEMINARE

- Nov. 2018 Talk at Econometric Institute, Erasmus University of Rotterdam, organized by M. Grith, Netherlands
- Nov. 2018 Research Kolloquium in Economics an der Freien Universitt Berlin, organized by T. Schmid and U. Rendtel, Berlin, Germany
- Sep. 2018 Statistics machinEIEarning Datascience in Singapore, organized by Y. Chen, Singapore
- Jul. 2017 Talk at Research Factory at the Europa-University Viadrina, organized by Ph. Otto, Frankfurt (Oder), Germany
- Jun. 2017 Faculty Seminar at Chair of Economics and Econometrics, University Konstanz, organized by R. Halbleib, W. Pohlmeier, Konstanz, Germany
- Mar. 2017 Seminar at CREST, organized by J.-D. Fermanian, J.-M. Zakoian, Ch. Gouriéroux, Paris, France
- Mar. 2017 Seminarium, Matematisk statistik, University of Stockholm, organized by T. Bodnar, Stockholm, Sweden
- Nov. 2016 Seminar at the Research Center for Statistics (RCS) at the Geneva School of Economics and Management, University of Geneva, organized by D. la Vecchia, Geneva, Switzerland
- Nov. 2016 Talk at the Polish Academy of Sciences, organized by T. Rychlik and P. Jaworski, Warsaw, Poland
- Mai. 2016 Seminar at the Chair of Econometrics and Statistics, organized by M. Massmann, WHU – Otto Bensheim School of Management, Vallendar
- Apr. 2016 Crash course on “Copulae”, organized by W. K. Härdle, HU Berlin, Germany
- Jun. 2015 Seminar at the Chair of Econometrics, organized by D. Bauer, Uni Bielefeld, Germany
- Apr. 2015 Brown Bag Seminar, TU Dresden, Germany
- Nov. 2014 Presentation at the Collaborative Research Centre 823, organized by D. Wied, TU Dortmund, Germany
- Mar. 2012 Statistics Seminar in the IOMS/Statistics Group, NYU Stern School of Business, organized by R. Deo, New York, USA
- Feb. 2011 Brown Bag Seminar at the University of Michigan, organized by P. X. Song, Ann Arbor, USA
- Feb. 2011 Financial Mathematics Seminar at The Stevanovitch Center for Financial Mathematics at the University of Chicago, organized by P. Mykland, Chicago, USA
- Feb. 2011 Research in Econometrics Seminar at Harvard University, Organized by R. Ibragimov, G. Chamberlain, Cambridge, USA
- Jan. 2011 Seminar at the Sun Yat-Sen University, Organized by M.-H. Guo, Kaohsiung, Taiwan
- Jan. 2011 2011 NCTS & CMMSC Seminar at the Hsinchu University, Organized by H. HS Lu, Hsinchu, Taiwan

- Nov. 2010 Seminar at the University Bielefeld, Organized by G. Kauermann, Bielefeld, Germany
- Jun. 2010 Seminar at the National University of Kaohsiung, organized by R.-B. Chen, Kaohsiung, Taiwan
- Jun. 2010 Seminar at the Renmin University of China, organized by M. Tian, Beijing, China
- May 2010 "*Mathematical Koloquium*" at Carl von Ossietzky University of Oldenburg organized by T. Kneib, A. May, D. Pfeifer, Oldenburg, Germany
- Mar. 2010 "*Quantitative Methods Seminar*" at Universität St.Gallen organized by M. Fengler, St. Gallen, Switzerland
- Jul. 2009 Seminar at Hong Kong University of Science and Technology organized by Y.-K. Kwok, Hong Kong, China
- Feb. 2009 "*Statistisch/ökonomisches Seminar*" at Christian-Albrechts-Universität zu Kiel organized by H. Herwartz, R. Liesenfeld and V. Golosnoy, Kiel, Germany
- Dec. 2008 "*Quantitativ Ökonomisches Colloquium*" at Freie Universität Berlin organized by U. Rendtel, Berlin, Germany
- Jul. 2008 Seminar "*Finanz- und Versicherungsmathematik*" of the LMU and TU organized by C. Czado, C. Klüppelberg and R. Zagst, Munich, Germany
- May 2007 WIAS Research Seminar "*Mathematical Statistics*" organized by W. K. Härdle and V. Spokoiny, Berlin, Germany