

O. Univ.-Prof. Dr. Jürgen Pilz

Affiliation

Institute of Statistics
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Nationality: German

Major interests

- Bayesian Statistics
- Spatial Statistics
- Environmental Statistics
- Design of Experiments
- Bayesian Epidemiology
- Bayesian Statistical Learning

Education

- Born 1951 in Langenau, Germany
- 1974 Diploma Degree in Mathematics at Technical University Bergakademie Freiberg (TU BAF, Germany)
- 1978 PhD in Mathematical Statistics at TU BAF, Germany
- 1988 Doctor of Science degree (DSc., Habilitation) in Mathematics at TU BAF, Germany

Vocational Career

- 1978-1988 University Assistant at the Inst. of Mathematics, TU Bergakademie Freiberg
- 1989-1993 Professor of Mathematical Geology and Geostatistics at the Dept. of Geosciences of TU BAF, Germany
- 1991-1992 Humboldt Fellow at the Free University of Berlin, SFB Mathematical Geology and Geoinformatics
- Since 1994 Professor and Chair of Applied Statistics at Alpen-Adria University (AAU), Klagenfurt, Austria
- Since 2007 (Founding) Head of the Department of Statistics at AAU

Guest Professorships

- Purdue Univ. (West Lafayette, USA),
- Univ. of Copenhagen (Denmark),
- Charles Univ. Prague (Czech Rep.),
- Univ. of Augsburg (Germany),
- Univ. of British Columbia (Vancouver, Canada),
- Univ. of Canterbury (Christchurch, New Zealand).

Scientific Oeuvre

- Author/co-author of seven books; including "Bayesian Estimation and Experimental Design in Linear Regression Models" published by J. Wiley & Sons, New York, 1991, "Interfacing Geostatistics and GIS", published by Springer, 2009, and "Optimal Experimental Design with R", published by Chapman and Hall/CRC, Boca Raton, 2011.
- Author of more than 180 scientific papers.

Research platforms:

www.researchgate.net/profile/Juergen_Pilz;

scholar.google.at/citations?user=BIXIamEAAAAJ&hl=de

Academic Honours and Awards

1991-1992 Humboldt Fellowship

1992-1993 President of the German Association of Mathematical Geology and Geoinformatics

Elected member of the International Statistical Institute (since 1996)

Elected member of the Institute of Mathematical Statistics (since 1992)

Member of the International Assoc. of Math. Geology (IAMG) and of the Austrian Statistical Society.

Plenary talks (since 2010)

Int. Conference on Optimal Design of Experiments (ODE), 2011, Vienna, Austria

Third Int. Symposium on Games and Decisions in Risk and Reliability (GDRR), 2013, Kilkenny, Ireland,

European Meeting of Young Statisticians (EYMS), 2013, Osijek, Croatia

Int. Conference of European Geosciences Union, 2014, Vienna, Austria

CEN-ISBS Vienna 2017 Joint Conference of the Central European Network of the International Biometric Society and the International Society of Biopharmaceutical Statistics, 2017, Vienna

Organization of Conferences

Organizer of the Int. StatGIS Workshops 1999 (St. Georgen, Austria), 2003 (Pörschach, Austria) and 2007 (Klagenfurt, Austria)

Co-organizer of the minisymposium of the Geostats Workgroup at the SAMSI Workshop on Space-time Analysis for Environmental Mapping, Epidemiology and Climate Change, 2009, Raleigh NC, USA,

Co-organizer of the Int. StatGIS Workshop 2009, Milos Island, Greece

Co-organizer of the Int. Conference on Optimal Design of Experiments (ODE), 2011, Vienna, of the 8th International Workshop on Simulation (IWS), 2015, Vienna, Austria and of the 10th International Workshop on Simulation and Statistics (IWSS), 2019, Salzburg, Austria

Functions/Editorships

Member of the Editorial Board of the Elsevier Journal "Spatial Statistics" (since 2012), "The Open Statistics & Probability Journal" (since 2016), "SOP Transactions on Statistics and Analysis", "Geoinformatics & Geostatistics - An overview" (since 2015), "Biometrics and Biostatistics International Journal (since 2015)" "Biostatistics and Biometrics Open Access Journal (BBOAJ)" (since 2016), Assoc. Editor of "Frontiers in Environmental Sciences, Section on Environmental Informatics" (since 2013),

Past Associate Editor of the statistics journals "Metrika" and "Journal of Statistical Planning and Inference", Past Associate Editor of the Springer Journal "Stochastic Environmental Research and Risk Assessment (SERRA).

Externally funded international projects

EU- FP5 Integrated Project **SECOQC** (2004-2008): Development of a Global Network for Secure Communication based on Quantum Cryptography, 217.0 k€

EUREKA E! 3665 **PETROSCOPE II** (2004 – 2008): Statistical modeling and analysis of engineering properties for the construction aggregates industry, 73.6 k€

EU-STREP (FP6)- IST Project **INTAMAP** (2006-2009) -5-033811: Interoperability and Mapping for Environmental Surveillance and Risk Management, 293.4 k€

EU- FP7 - ENIAC-Joint Undertaking Project **EPT300** (2012-2015), JUGA 304668: Enabling Power Technologies on 300mm wafers - Advanced Reliability and Risk Modelling, 341.0 k€

HORIZON 2020 & ECSEL Joint Undertaking Project **iDev40** (2018-2021): Integrated Development 4.0 for Semiconductor Manufacturing Processes - Statistical Root-Cause Failure Analysis and Advanced Statistical and Bayesian Deep Learning Methodology, 441.0 k€

Key international partners

Prof. Dr. Christian P. Robert, Universite Paris-Dauphine, France

Prof. Dr. James V. Zidek, University of British Columbia, Vancouver, Canada

Prof. Dr. Ubydul Haque, Baldwin Wallace Univ., Cleveland, USA

Prof. Dr. Luca Tardella, Sapienza Universita di Roma, Italy

Prof. Dr. Don Kulasiri, Lincoln University, Christchurch, New Zealand