

Michał Lewandowski

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Education

- 2005–2010 Ph.D. in economics at European University Institute in Florence, *Risk attitudes and measures of value for risky lotteries*, supervisors: Prof. Pascal Courty, Prof. Fernando Vega-Redondo
- 2007–2008 European Doctoral Program in Quantitative Economics exchange at Bonn Graduate School of Economics, supervisor: Prof. Paul Heidhues
- 2001–2004 M.Sc. in economics (double diploma) at Johannes Gutenberg University in Mainz
- 1999–2004 M.Sc. in international relations at SGH Warsaw School of Economics

Vocational experience

- 2022–now Adjunct Professor, Department of Quantitative Economics, SGH Warsaw School of Economics
 - full-time research position, principal investigator for the research project on uncertainty measurement financed by the National Science Centre,
- 2010–2021 Assistant Professor, Division of Decision Analysis and Support of the Institute of Econometrics, SGH Warsaw School of Economics
 - lectures at undergraduate and graduate programs: advanced microeconomics, decision theory, game theory, operations research, optimization, decision analysis and mathematics
 - supervising bachelor (130) and master (26) and Ph.D. (1) theses
 - leading and organizing Research Seminar
- 2018 Lecturer, Kozminski University
 - lectures at undergraduate program: operations management
- 2008–2009 Lecturer, European University Institute in Florence
 - lectures at Ph.D. program: Background math course, TA for micro block
- 2010–2021 Consultant, Statistics Poland
 - developed a method for comparative decomposition of growth and GVA differences

Research grants

- 2022–2026 principal investigator in National Science Center (NCN) OPUS grant: *Measuring uncertainty and testing reference point rules using indifference prices: axiomatic and experimental approaches*, funding: PLN 1m.
- 2019–2022 main investigator in National Centre for Research and Development (NCBiR) Smart Growth Operational Programme 2014–2020 grant: *Methods of simulation and analysis of logistics networks of postal operators*, funding: PLN 9.3m
- 2016–2022 co-investigator in 4 NCN (3 OPUS and 1 SONATA) grants at SGH, leading 2 Statutory Grants and 2 Young Researcher Grants at SGH

2015–2018 principal investigator in 2 Statistics for Cohesion Policy grants on method for comparative decomposition of growth and GVA differences for Polish regions, funding: PLN 400k

Selected publications

Journal articles

- 2024 *On journal rankings and researchers' abilities*, [with W. Charemza, Ł. Woźny], **Journal of Infometrics**, vol. 18 (3), pp. 101559.
- 2024 *A Contextual Range-Dependent Model for Choice under Risk*, [with M. Baucells, K. Kontek], **Journal of Mathematical Psychology**, vol. 118, pp. 102–118.
- 2024 *How sure are you?—the properties of self-reported conviction in the elicitation of health preferences with discrete choice experiments*, [with M. Jakubczyk], **Theory and decision**, vol. 96, pp. 351–368.
- 2022 *On reference dependence and complementary symmetry*, [with Ł. Woźny], **Journal of Mathematical Psychology**, vol. 108, pp. 106–116.
- 2021 *A genetic algorithm for vehicle routing in logistic networks with practical constraints*, [with G. Koloch, M. Zientara, G. Grodecki, P. Matuszak, I. Kantorski, A. Nowacki], **Statistical Review**, vol. 68(3), pp. 16–40.
- 2018 *Complementary symmetry in Cumulative Prospect Theory with random reference*, **Journal of Mathematical Psychology**, vol. 82, pp. 52–55.
- 2018 *Range-dependent utility*, [with K. Kontek], **Management Science**, vol. 64(6), pp. 2812–2832.
- 2017 *Prospect Theory versus Expected Utility Theory: Assumptions, predictions, intuition and modelling of risk attitudes*, **Central European Journal of Economic Modelling and Econometrics**, vol. 9, pp. 275–321.
- 2014 *Buying and selling price for risky lotteries and Expected Utility theory with gambling wealth*, **Journal of Risk and Uncertainty**, vol. 48(3), pp. 253–283.
- 2013 *Risk Attitudes, Buying and Selling Price for a Lottery and Simple Strategies*, **Central European Journal of Economic Modelling and Econometrics**, vol. 5(1), pp. 1–34.

Selected chapters in monographs

- 2024 *Predicting Behavior in Games: Loss Aversion vs. Rank Dependent Utility vs. Range Utility Theory*, [with M. Baucells, P. Leclerc, J. Merrick] in: Federspiel F., Montibeller G., Seifert M. (Eds.) **Behavioral Decision Analysis: Designing and Using Prescriptive Decision Support Models**, International Series in Operations Research & Management Science, vol. 350, Springer, pp. 145–164.
- 2018 *Eliciting Fuzzy Preferences Towards Health States with Discrete Choice Experiments*, in: Berger-Vachon, C., Gil Lafuente, A., Kacprzyk, J., Kondratenko, Y., Merigó, J., Morabito, C. (Eds.) **Complex Systems: Solutions and Challenges in Economics, Management and Engineering**, Studies in Systems, Decision and Control, vol 125. Springer, pp. 131–147.

Conference talks (selected)

- 2024 IX Hurwicz Workshop on Mechanism Design (Warsaw), 59th Edwards Bayesian Research conference (Fullerton)
- 2023 INFORMS Annual Meeting (Phoenix), 59th International Symposium on Functional Equations (Hajdúszoboszló), 10th International Workshop on Multiple Criteria Decision Making (Ustroń), XV Conference on Modeling Preferences and Risk (Ustroń)
- 2022 VIII Hurwicz Workshop on Mechanism Design Theory (Warszawa), XXX European Workshop on Economic Theory (Warszawa), Risk, Uncertainty, Decision (Paris), 58th International Symposium on Functional Equations (Innsbruck)

- 2021 INFORMS Annual meeting (Anaheim), Risk, Uncertainty, Decision (Minneapolis)
- 2019 Jubilee Congress for the 100th anniversary of the Polish Mathematical Society, VII Hurwicz Workshop on Mechanism Design Theory (Warszawa), XII Conference on Modeling Preferences and Risk (Ustroń)
- 2018 Foundations of Utility and Risk (York)
- 2017 The 3rd European University Institute Alumni Conference in Economics (Firenze), Time, Uncertainties, Strategies IV (Paris), the 10th Pan Pacific Game Theory conference (Tokyo)
- 2016 55th Edwards Bayesian Research Conference (Fullerton), VI Hurwicz Workshop on Mechanism Design Theory (Warszawa), Foundations of Utility and Risk (Warwick), 54th Edwards Bayesian Research Conference (Fullerton)
- 2015 53rd Edwards Bayesian Research Conference (Fullerton), X Conference on Modeling Preferences and Risk (Ustroń)
- 2014 V Hurwicz Workshop on Mechanism Design Theory (Warszawa), Foundations of Utility and Risk (Rotterdam)
- 2013 51st Edwards Bayesian Research Conference (Fullerton)
- 2012 IV Hurwicz Workshop on Mechanism Design Theory (Warszawa)
- 2011 III Hurwicz Workshop on Mechanism Design Theory (Warszawa)
- 2010 Warsaw International Economic Meeting (Warszawa), XIX European Workshop on General Equilibrium Theory (Kraków)
- 2009 I Hurwicz Workshop on Mechanism Design Theory (Warszawa), European Doctoral Program in Quantitative Economics Jamboree Meeting (London), the fourth PhD presentation meeting (London)
- 2008 LABSI international conference on strategic decision making in politics and economics (Salerno), Games 2008: The Third World Congress of the Game Theory Society (Evanston)
- 2007 European Doctoral Program in Quantitative Economics Jamboree Meeting (Paris)

Invited talks (selected)

- 2023 Functional equations seminar, Silesian University, Poland
- 2022 Functional equations seminar, University of Zielona Góra, Poland
- 2022 Institute of Mathematics seminar, University of Zielona Góra, Poland
- 2022 Relative Value Learning Meeting, Paris School of Economics, France
- 2021 Research seminar, University of Chicago Booth School of Business, USA
- 2021 School of Economics seminar series, University of East Anglia, UK
- 2019 Functional equations seminar, Silesian University, Poland
- 2018 Institute of Computer Science, Polish Academy of Sciences, Poland
- 2018 Management and Behavioural Research lunch series, Pompeu Fabra University, Spain
- 2015 Financial mathematics research seminar, Silesian University, Poland
- 2009 School of Economics seminar series, University of East Anglia, UK

Scholarships, awards, research evaluation

- 2015–2024 research awards from the SGH Rector for obtaining external financing worth over PLN 1 million (2021) as well as for individual (2015, 2018, 2022, 2024) and group (2017) research activity
- 2022 expert evaluating National Science Center Research Grants for young researchers PRELUDIUM
- 2020 expert evaluating PRCI research grant for Agence Nationale de la Recherche
- 2017–2018 Member of the jury of the central level Statistical Olympiad

Research visits

- 2024 Short research visit, Department of Economics, University of California, Los Angeles, USA
- 2023 Short research visit, Department of Information Systems and Decision Sciences, California State University, Fullerton, USA
- 2018 Short research visit, Department of Economics, University of Pompeu Fabra, Spain
- 2017 Short research visit, University of California Los Angeles and University of California Irvine, USA
- 2013 Short research visit, University of California San Diego, Harvard University, Boston University, Massachusetts Institute of Technology, USA
- 2013 Short research visit, University of California San Diego, Rady School of Management, University of California Los Angeles, Stanford University, University of California Irvine, USA
- 2007–2008 European Doctoral Program in Quantitative Economics Exchange at Bonn Graduate School of Economics, Germany

Co-organized conferences

- 2024 IX Hurwicz Workshop on Mechanism Design Theory, Warszawa, Poland, Organizing Committee
- 2022 VIII Hurwicz Workshop on Mechanism Design Theory, Warszawa, Poland, Organizing and Scientific Committee
- 2022 XXX European Workshop on Economic Theory, Warszawa, Poland, Organizing Committee
- 2018 VII Hurwicz Workshop on Mechanism Design Theory, Warszawa, Poland, Organizing Committee

Working papers

- 2024 *Discounted Incremental Utility*, [with M. Baucells]
- 2024 *Preference imprecision or uncertainty aversion – decomposing WTA and WTP gap for uncertain prospects*, [with Ł. Woźny, M. Jakubczyk]
- 2024 *Biseparable representations of the certainty equivalents*, [with J. Chudziak]
- 2024 *Does excluding jurors discourage manipulation under the Borda count?*, [with J. Franaszek]
- 2023 *Individual and Collective Rationality in Carpooling*, [with P. Kalczyński]
- 2018 *Range and Sign Dependent Utility for Risk and Time*, [with M. Baucells, K. Kontek]

PhD students

- defence 2024 Justyna Proniewicz, thesis: *Valuation of health states and access to medical services using willingness-to-pay and willingness-to-accept measures*

Refereed for (selected)

Management Science, Operations Research, Psychological Review, Journal of Mathematical Psychology, Journal of Mathematical Economics, Mathematics and Financial Economics, Games and economic behavior, Decision analysis, Theory and Decision, Economics Letters, Games, The Geneva Risk and Insurance Review, Journal of Behavioral and Experimental Economics, The BE Journal of Theoretical Economics, Frontiers in Physics, Peace Economics, Peace Science and Public Economics, The Central European Journal of Economic Modeling and Econometrics, Operations research and decisions.

Research interest

- decision theo individual decisions under ambiguity, risk, strategic uncertainty and temporal delay
- game theory experiments testing behavior under strategic uncertainty, voting methods, carpooling games
- tools axiomatization, functional equations, experiment design

Michał Lewandowski, January 2025