

# PHILIP ZILKE

Applying Game Theory to solve real-world problems

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## EMPLOYMENT

Researcher in sustainable Market Design

University of Münster

since September 2023

Münster, Germany

Researcher in Market Design

ZEW Mannheim

April 2021 – September 2023

Mannheim, Germany

Quantitative Consultant for Market Risk

PwC Germany

March 2018 – April 2021

Frankfurt a.M., Germany

## RESEARCH PAPERS

### Working Papers

- A. Atayev, J. Simon, and P. Zilke, *Endogenous choice of consideration sets and patterns of competition*.
- P. Zilke, *Auctions of green shares - How labels on government bonds can shift investors' portfolios in same direction*.

### Publications

- C. Hertling and P. Zilke, "Seven combinatorial problems around isolated quasihomogeneous singularities," *Journal of Algebraic Combinatorics*, vol. 50, pp. 447–482, 2019.

## POLICY WORK



Financial Markets

Design of processes for green financial intermediation



Electricity Markets

Design of energy and capacity markets in Germany



Employment Service Markets

Design of the public procurement process in Sweden

## RESEARCH VISITS

University of British Columbia – Vancouver School of Economics

September 2024 – February 2025

Vancouver, Canada

ENS Paris Saclay – CEPS

June 2023

Paris, France

## EDUCATION

Ph.D. Business and Economics

University of Cologne

since October 2021

M.Sc. Mathematics

in Business and Economics

University of Mannheim

August 2015 – February 2018

B.Sc. Mathematics

in Business and Economics

University of Mannheim

August 2012 – August 2015

## TEACHING

Environmental Economics (TA)

University of Münster – Bachelor's level

Spring 2024

Advanced Micro (TA)

University of Münster – Master's level

Winter 2023

Game Theory (TA)

University of Mannheim – Bachelor's level

Spring 2022 / Spring 2023

## PRESENTATIONS

Vancouver School of Economics Theory Lunch Seminar, INTERACT Workshop on Green Financial Intermediation

2024

INFORMS Annual Meeting, Economics PhD-Meeting of Paris-Saclay University, ENS Paris-Saclay Economic Theory Seminar, INTERACT Workshop on Green Financial Intermediation, Mannheim Conference on Energy and the Environment, GOR Working Group Meeting on Game Theory & Behavioral Management Science

2023

## RESEARCH INTERESTS

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