# PHILIP ZILKE

## Applying Game Theory to solve real-world problems

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www.sites.google.com/view/philipzilke



## **EMPLOYMENT**

Researcher in sustainable Market Design

### University of Münster

isince 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**

**J**une 2023

Paris. France

## **EDUCATION**

Ph.D. Business and Economics

## **University of Cologne**

ince 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

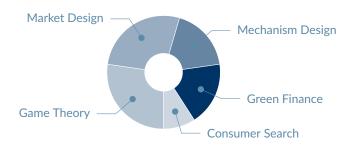
**INFORMS Annual Meeting, Economics PhD-**Meeting of Paris-Saclay University, ENS Paris-Saclay Economic Theory Seminar, **INTERACT Workshop on Green Financial** Intermediation, Mannheim Conference on **Energy and the Environment, GOR Working** Group Meeting on Game Theory & Behavioral Management Science



**a** August 2017 - January 2018

Oslo, Norway

# **RESEARCH INTERESTS**



VW Stiftung "Corona and Beyond", MaCCI IO Day, DICE Winter School on Applied Microeconomics

**=** 2022