

# **CURRICULUM VITAE**

**Martin Meier**

**May 2025**

## **Address**

Professor of Mathematics  
Faculty of Economics and Management  
Free University of Bozen-Bolzano  
Italy

## **Current Position**

Since January 2025: Full Professor (Professore Ordinario) of Mathematics, Faculty of Economics and Management, Free University of Bozen-Bolzano, Italy

## **Past Positions / Fellowships**

January 2018 - December 2024: Professor (Full Professor) of Economics, Department of Economics, University of Bath, United Kingdom

January 2018 - December 2024: Fellow of the Institute for Advanced Studies, Vienna

August 2009 – December 2017: Senior Research Economist at the Department of Economics and Finance, Institut für Höhere Studien (Institute for Advanced Studies), Vienna

October/November 2004 – July 2009: Ramon y Cajal Fellowship (Institute for Economic Analysis, Barcelona (IAE-CSIC))

October 2003 - September 2004: Assistant Professor (Tenure Track), Department of Economics, Universidad Carlos III de Madrid

November 2002 – October 2003: Marie Curie Research Fellowship, CORE, Université Catholique de Louvain

September 2001 – October 2002: CORE Research Fellowship, CORE, Université Catholique de Louvain

October 2000 – August 2001: TMR-Scholarship at GEMMA, Université de Caen

January – March 2000: TMR-Scholarship at the School of Economics, Tel-Aviv University

## **Education (University Level)**

### **University of Bielefeld:**

September 1998 – July 2002: PhD-student at the Institute of Mathematical Economics (Graduate Fellowship of the Graduiertenkolleg “Mathematische Wirtschaftsforschung” September 1998 – September 2000)

PhD in Mathematics: July 2002

Topic of the PhD-thesis: Game Theory

PhD-thesis: “Universal Beliefs Structures” (Grade “Ausgezeichnet” (excellent))

### **University of Freiburg:**

Diploma in Mathematics (Diplom Mathematiker), April 1998

Diploma-thesis (in Mathematical Logic): “Über die elementare Theorie von Vektorräumen mit einer ausgezeichneten Familie von Unterräumen”

## **Individual Grants**

November 2002 – October 2003: Marie Curie Research Fellowship, European Union (at least 50'000 Euros)

October/November 2004 – July 2009: Ramon y Cajal Fellowship, Spanish Ministry of Education and Science (at least 150'000 Euros)

### **Group Grants (as group member)**

“El estado del bienestar y la economía de mercado: aspectos institucionales y políticos IV. Secretaria de Estado de Universidades e Investigación (SEJ2004-07861, 2005-2007). Principal investigator: Diego Moreno (Universidad Carlos III de Madrid)

2006 – 2008 (as co-PI): Fundación Ramón Areces grant “Medios de comunicación y mercados de información: como garantizar la calidad informativa y de contenido,” Project head: Fabrizio Germano, Universidad Pompeu Fabra, Barcelona (30’000 Euros)

### **Group Grants (as project head)**

“Dynamic Investment Models with discontinuous Payoffs applied to Research and Development”, Jubiläumsfonds, Austrian National Bank (60’000 Euros), March 2018 – February 2021

“Resilience of Economic Systems”, Jubiläumsfonds, Austrian National Bank (249’000 Euros), July 2023 – June 2027, awarded in July 2022

### **Prizes**

Morgenstern Award 2010

Double Morgenstern Award 2012

Triple Morgenstern Award 2013

Morgenstern Award 2015

### **Major Fields of Interest**

Game Theory, Economic Theory, Resilience in Multi-Sector Economic Growth Models, Applications of Optimal Stopping to Finance, Decision Theory, Matching

## Published Papers

“On the Nonexistence of Universal Information Structures”, *Journal of Economic Theory* 122 (2005), 132-139, Citations according to Google Scholar: 28

“Hierarchies of Beliefs for Compact Possibility Models”, with Thomas Mariotti (Université de Toulouse (CNRS-GREMAQ)) and Michele Piccione (London School of Economics), *Journal of Mathematical Economics* 41 (2005), 303-324, Citations according to Google Scholar: 47

“Finitely Additive Beliefs and Universal Type Spaces”, *The Annals of Probability* 34 (2006), 386-422, Citations according to Google Scholar: 29, Working Paper Version (2002): 7 citations

“Interactive Unawareness”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), *Journal of Economic Theory*, 130 (2006), 78-94, Citations according to Google Scholar: 361

“On the Number of Partitions of a Given Set”, *The American Mathematical Monthly*, Vol. 114, Iss. 5, (May 2007), 450.

“Universal Knowledge-Belief Structures”, *Games and Economic Behavior*, 62 (2008), 53-66, Citations according to Google Scholar: 24

“A Canonical Model for Interactive Unawareness”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), *Games and Economic Behavior*, 62 (2008), 304-324, Citations of TARK-version according to Google Scholar: 122

“On the Relationship Between Hierarchy and Type Morphisms”, with Amanda Friedenberg (University of Michigan), *Economic Theory* 46 (2011), 377-399, Citations according to Google Scholar: 27

“An Infinitary Probability Logic for Type Spaces”, *Israel Journal of Mathematics*, 192 (2012), 1–58, DOI: 10.1007/s11856-012-0046-8, Citations according to Google Scholar: 40, Working Paper Version (2001): 22 citations

“Concentration and Self-Censorship in Commercial Media”, with Fabrizio Germano (University Pompeu Fabra, Barcelona), *Journal of Public Economics*, 97 (2013), 117-130, Citations according to Google Scholar: 104

“Unawareness, Beliefs, and Speculative Trade”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), *Games and Economic Behavior* 77 (2013), 100 - 121, Citations according to Google Scholar: 101

“Dynamic Unawareness and Rationalizable Behavior”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), *Games and Economic Behavior* 81 (2013), 50-68, Citations according to Google Scholar: 130

“Competitive Markets with Private Information on Both Sides”, with Enrico Minelli (University of Brescia) and Herakles Polemarchakis (University of Warwick), *Economic Theory* (2014) 55:257–280, DOI 10.1007/s00199-013-0754-2, Citations according to Google Scholar: 7

“Speculative Trade under Unawareness: the infinite Case”, with Burkhard Schipper (University of California, Davis), accepted for publication in *Economic Theory Bulletin* (2014) 2:147–160, DOI 10.1007/s40505-014-0040-x, Citations according to Google Scholar: 9, Working Paper Version (2013): 8 citations

“Bayesian Games with Unawareness and Unawareness Perfection”, with Burkhard Schipper (University of California, Davis), *Economic Theory* (2014) 56:219–249, DOI 10.1007/s00199-013-0788-5, Citations according to Google Scholar: 46

“The Context of the Game”, with Amanda Friedenberg (University of Michigan), *Economic Theory* (2017) 63: 347–386, DOI 10.1007/s00199-015-0938-z, Citations of TARK-version according to Google Scholar: 32

“A New Strategy for Robbins' Problem of Optimal Stopping”, with Leopold Sögner (IHS, Vienna), *Journal of Applied Probability* 54, 331–336 (2017), DOI 10.1017/jpr.2016.103, Citations according to Google Scholar: 7

“Comprehensive Rationalizability”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), *Games and Economic Behavior* 116 (2019), 185–202, [doi.org/10.1016/j.geb.2019.05.002](https://doi.org/10.1016/j.geb.2019.05.002), Citations according to Google Scholar: 18

“Prudent Rationalizability in Generalized Extensive-Form Games”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), *The B.E. Journal of Theoretical Economics*, DOI: <https://doi.org/10.1515/bejte-2020-2013> | Published online: 19 May 2020, Citations according to Google Scholar: 22, Working Paper Version (2011): 26 citations

“Hunting for Superstars”, with Leopold Sögner (IHS, Vienna), *Mathematics and Financial Economics* (2023) 17, 335 - 371

### **Peer-reviewed conference proceedings (TARK)**

“Multi-Person Unawareness”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), in *Theoretical Aspects of Rationality and Knowledge: Proceedings of the Ninth Conference (TARK 2003)*, Moshe Tennenholtz (Ed.), ACM, 145–158, Citations according to Google Scholar: 6

“Harsanyi Type Spaces with Knowledge Operators”, in *Theoretical Aspects of Rationality and Knowledge: Proceedings of the Tenth Conference (TARK 2005)*, Ron van der Meyden (Ed.), ACM, 126–136, Citations according to Google Scholar: 1

“A Canonical Model for Interactive Unawareness”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), in *Theoretical Aspects of Rationality and Knowledge: Proceedings of the Eleventh Conference (TARK 2007)*, Dov Samet (Ed.), Presses Universitaires de Louvain, (2007), 177-182, Citations according to Google Scholar: 120

“Unawareness, Beliefs and Games”, with Aviad Heifetz (The Open University of Israel) and Burkhard Schipper (University of California, Davis), in *Theoretical Aspects of Rationality and Knowledge: Proceedings of the Eleventh Conference (TARK 2007)*, Dov Samet (Ed.), Presses Universitaires de Louvain, (2007), 183-192, Citations according to Google Scholar: 33

### **Teaching (Department of Economics, Universidad Carlos III):**

Mathematics II, Undergraduate (Calculus and Linear Algebra) and  
Mathematics II, PhD program in Economics (Real Analysis)

### **Teaching (Institute for Advanced Studies, Vienna (Masters level)):**

Mathematics II (Topology and Real Analysis), 2009 - 2012  
Statistics I, 2012  
Micro I, 2013, 2014, 2015  
Dynamic Games, 2017

### **Teaching (Vienna Graduate School of Economics (PhD-level)):**

Repeated Games, 2012  
Games of Imperfect Information, 2015

### **Teaching (Department of Economics, University of Bath):**

Computational Methods (Masters Level), Spring 2018  
Optimisation (Masters Level), Spring 2018  
Advanced Microeconomics (Undergraduate, 3rd year), Spring 2019  
Neuroeconomics (Masters Level), Spring 2019  
Mathematics II (Difference and Differential Equations, Undergraduate, 1st year), Spring 2020, Spring 2021, Spring 2022, Spring 2023  
Advanced Economic Theory (Masters Level), Spring 2021, Spring 2022, Spring 2023, Spring 2024

### **Supervision PhD (As Co-Supervisor at the Vienna Graduate School of Economics):**

Michael Greinecker 2012 (Assistant Professor at Ecole Normale Supérieure Paris-Saclay): “Foundations of Dynamic Games”.

### **Supervision Master’s Thesis (Institute for Advanced Studies, Vienna):**

Stefan Schneeberger 2011 (PhD in Economics, Yale University, 2016): “Optimal Strategies for Apartment Hunting”.

Béla Szabadi 2012 (PhD in Economics at Northwestern University, 2018): “Revenue-Maximizing Combinatorial Auctions in a Simplified Setting”.

Joachim Hubmer 2013 (PhD in Economics, Yale University, 2019. Currently Assistant Professor, Department of Economics, University of Pennsylvania): “Self-Enforcing Climate Change Treaties: A Game Theoretic Approach”.

Franz Peter Ostrizek, 2014 (PhD in Economics, Princeton University, 2020. Currently Assistant Professor, Science Po, Paris): “Essays on Contract Theory with Unawareness of Actions”.

Arpad Illyes, 2017, “The Effect of Information on Ambiguous Portfolio Choices”.

### **Supervision Master’s Thesis (Department of Economics, University of Bath):**

Yan Feng 2019: “Equilibrium in the Insurance Market with Adverse Selection”.

Weichen Wang 2019 (Subsequently PhD program in Economics at University of Bath): “A Task-Based Model on Automation, Robotics and Narrow Artificial Intelligence”.

Chengcheng Huang 2019: “The Impact of A.I. on Employment and Economic Growth: A CES Model and Empirical Evidence from the U.S.”.

Man Hon Yip 2019: “Potential of pet industry economics in China”.

Jeyhun Aliyev 2019: “Economic consequences of Robo-Advisory tools in Azerbaijan”.

Sebastian Woods 2023: “Repeated three-player games with differential time preferences”.

### **Supervision Bachelor’s Thesis (Department of Economics, University of Bath):**

Owen Redman 2022: “Investigating the efficiency of allocating students housing, including a case study: Roome”.

Sophie Morris 2023: “Decoding the role of juror error: Poisson’s mathematical model for jury decision making”.

**Member of the Program Committee of the Conferences on Theoretical Aspects of Rationality and Knowledge (TARK): TARK XI (2007), TARK XII (2009) and TARK XVI (2017)**

**Member of the Program Committee of the Conference on Logic and the Foundations of Game and Decision Theory 2012, Sevilla (Spain)**

**Member of the Departmental Self Assessment Team for Application for the Athena SWAN Bronze Award (for progress on gender equality)**

April 2018 - July 2020, Department of Economics, University of Bath

**Member of the Departmental Equality, Diversity and Inclusion Committee**

August 2020 - August 2023, Department of Economics, University of Bath

**Head of the Economic Theory Group**

June 2018 - August 2023, Department of Economics, University of Bath

**Member of the Departmental Research Committee**

June 2018 - December 2024, Department of Economics, University of Bath

**Vice (“Shadow”) Director of Studies of the Economics and Mathematics Undergraduate Program (BSc)**

September 2023 - August 2024, University of Bath

**Director of Studies of the Economics and Mathematics Undergraduate Program (BSc)**

September 2024 - December 2024, University of Bath



**Co-Organizer of the Vienna Joint Economics Seminar (2011 – Summer 2016)**

**Co-Organizer of the Workshop on Game Theory and Economic Theory, IHS, Vienna, June 2016, with Leopold Sögner**

**Language skills**

German (native language), English (fluent in speaking, reading, and writing), French (fluent in speaking and reading, advanced in writing), Spanish (advanced beginner), Italian (beginner)