

## *Curriculum Vitae*

# Christina Katt-Pawlowitsch

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*Born:* 1974, in Vienna, Austria  
*Nationality:* Austrian  
*Current employment:* Associate Professor (Maître de Conférences, HDR) in Applied Mathematics at the Université Paris–Panthéon–Assas  
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## 1 Education and academic degrees

<i>1998–2004</i>	Undergraduate studies in Economics, University of Vienna, including a one-year stay at the Université Catholique de Louvain (Belgium), 2001–2002.
<i>2004</i>	MA in Economics, University of Vienna. Title of the thesis: “The golden rule and over- and underaccumulation in a two-sector overlapping-generations model,” under the supervision of Prof. Leo Kaas.
<i>2004–2007</i>	PhD Program in Economics, University of Vienna
<i>2007</i>	Doctorate in Economics (with Honors). Title of the thesis: “Efficiency and Inefficiency in Sender-Receiver Games.” Advisors: Prof. Gerhard Sorger (Department of Economics), Prof. Karl Sigmund (Department of Mathematics).

## 2 Habilitation

<i>2025</i> (April 3)	“Habilitation à Diriger des Recherches” (in Economic Sciences). Université Paris–Panthéon–Assas. Committee: Prof. Joseph Abdou (president), Prof. Antoine Billot (director), Prof. Paul Égré (reviewer), Prof. Ariel Rubinstein (reviewer), Prof. Jörgen Weibull (reviewer), Prof. Marie Laclau-Vigéral (member), Prof. Philip Reny (member), With highest honors: “Très honorable – félicitations du jury”
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## 3 Academic positions

<i>2004–2007</i>	Research and teaching assistant, University of Vienna, Department of Economics
<i>2007–2009</i>	Post-doctoral research fellow at Harvard University, Program for Evolutionary Dynamics
<i>2009–2010</i>	Lecturer at the University of Vienna, Department of English and American Studies, NatSIDE (Naturalist Studies in the Diachrony of English) group
<i>2010–2012</i>	Post-doctoral research fellow at Paris School of Economics
<i>2012–present</i>	Assistant professor (Maître de Conférences) in Applied Mathematics at the Université Paris–Panthéon–Assas

## 4 Visiting scholarships and part-time academic appointments

<i>2007/01–03</i>	Harvard University, Program for Evolutionary Dynamics
<i>2013/10–12</i>	Harvard University, Program for Evolutionary Dynamics
<i>2014/10–2015/01</i>	New York University, Department of Politics
<i>2018/09</i>	University of Vienna, Faculty of Mathematics
<i>2019/01</i>	University of Vienna, Faculty of Mathematics
<i>2019/07–09</i>	University of Vienna, Faculty of Mathematics
<i>2020/01</i>	University of Vienna, Faculty of Mathematics
<i>2020/07–09</i>	University of Vienna, Faculty of Mathematics
<i>2021/01 and 05–06</i>	University of Vienna, Faculty of Mathematics
<i>2022/05</i>	University of Graz, Austria
<i>2023/05 and 07–08</i>	University of Vienna, Faculty of Mathematics
<i>2025/12–2026/01</i>	University of Vienna, Faculty of Mathematics

External teaching appointments:

<i>2010–2012</i>	External lecturer, University of Vienna (Academic Writing)
<i>2016–2021</i>	External lecturer, University of Vienna (Academic Writing)
<i>2019</i>	External lecturer, École Polytechnique (Microeconomics)
<i>2024</i>	External lecturer, Vienna University of Economics and Business (Academic Writing)

## 5 Teaching

### University of Vienna

<i>2004–2007</i>	Principles of economics, introduction to microeconomics, introduction to game theory (undergraduate program), dynamic models in economics (MA in economics)
<i>2009–2010</i>	Game theory for linguists (undergraduate program)
<i>2009–2012</i>	Workshop in academic writing (MA and PhD program)
<i>2016–2021</i>	Workshop in academic writing (PhD program)

### Université Paris–Panthéon–Assas

<i>2012–present</i>	Mathematics (analysis, linear algebra) and statistics (probabilities and random variables) for the undergraduate program in economics, notably the <i>Collège d'Économie</i> (in French and in English) Applied game theory, MA program (in English) Decision theory, MA program (in English) Political Economy, undergraduate program in law studies (in French) Workshop in academic writing, PhD program (in English)
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### École Polytechnique

<i>2019</i>	Intermediate Microeconomics (in English)
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### IFG–Institut Français de Gestion, DBA Finance, Paris

<i>2020–present</i>	Méthodes de la recherche – atelier d'écriture (in French)
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## 6 Research interests

Game theory and evolutionary game theory, with a special interest in solution concepts (equilibrium refinement from both a classical and evolutionary point of view) and applications of game theory in the study of language; models of interactive knowledge and Bayesian dialogues.

## 7 Publications

### Articles in peer-reviewed journals

1. 2007. Christina Pawlowitsch: “Finite populations choose an optimal language.” *Journal of Theoretical Biology*, 249, 606–616.
2. 2008. Christina Pawlowitsch: “Why evolution does not always lead to an optimal signaling system.” *Games and Economic Behavior* 63, 203–226.
3. 2008. Immanuel Bomze and Christina Pawlowitsch: “One-third rules with equality: second-order evolutionary stability conditions in finite populations.” *Journal of Theoretical Biology*, 254, 616–620.
4. 2011. Christina Pawlowitsch, Panayotis Mertikopoulos, and Nikolaus Ritt: “Neutral stability, drift, and the diversification of languages.” *Journal of Theoretical Biology* 287, 1–12.
5. 2012. Michael L. Manapat, David G. Rand, Christina Pawlowitsch, and Martin A. Nowak: “Stochastic evolutionary dynamics resolve the Traveler’s Dilemma.” *Journal of Theoretical Biology* 303, 119–127.
6. 2020. Christina Pawlowitsch: “Making see: A structural analysis of mathematical and in particular game-theoretic writing.” *Narrative*, 28 (3), 327–353.
7. 2021. Christina Pawlowitsch: “Strategic manipulation in Bayesian Dialogues.” *Synthese* 199, 11279–11303.
8. 2025. Josef Hofbauer and Christina Pawlowitsch: “Evolutionary dynamics of signals with type-specific payoff increments.” *Dynamic Games and Applications*, Collection in Honor of Ross Cressman, 15 (1), 1–23.
9. 2025. Josef Hofbauer and Christina Pawlowitsch: “The evolutionary dynamics of costly signaling.” *International Journal of Game Theory* 54, Article 23 (received: 25 July 2019 / revised: 9 August 2023 / accepted: 14 September 2024).
10. 2025. Philippe Schlenker, Christina Pawlowitsch, Luc H. Arnal, Keny Chatain, Lucie Ravaux, Robin Ryder, Ambre Salis, Shane Steinert-Threlkeld, Léo Wang, and Emmanuel Chemla: “Ancestral meanings: A prelude to evolutionary animal linguistics.” *Linguistics and Philosophy*. Published: 16 October 2025.

### Other

1. 2023. “Introduction” to *Special Issue of Revue Économique in Honor of Robert Aumann*, with Antoine Billot. *Revue Économique* 74 (4): 499–504.

## 8 Work in progress

### Articles

- “Equilibrium refinement in signaling games as truth conditions of counterfactuals”
- “Extensive-form rationalizability and invariance” with Rida Laraki
- “Delta-Epsilon common knowledge” with Stefan Schrott and Daniel Toneian
- “Two-sided costly signals” with Josef Hofbauer

### Books

- “Workshop for Writers in Economics and Related Disciplines” (lecture notes)
- “Dialogues Aumannies” (in French)

## 9 Invited talks and talks at conferences

<i>2006</i>	Vienna Working Group in Bio-Mathematics Workshop on Economics and Philosophy, Universidad Nacional de Educación a Distancia, Madrid, Spain European Mathematical Psychology Group Meeting, Brest, France Invited talk at the Symposium “Games in Communication,” Department of Linguistics, University of Bielefeld
<i>2007</i>	Vienna Working Group in Bio-Mathematics Symposium “Games in Communication II,” Department of Linguistics, University of Bielefeld Zentrum für Angewandte Sprachwissenschaft (ZAS), Berlin
<i>2008</i>	University of Illinois at Urbana-Champaign, USA
<i>2009</i>	6 Lectures in Game Theory for Linguists, Working Group in Language Change, University of Vienna
<i>2010</i>	Séminaire TOM – Théorie, Organisation et Marché, Paris School of Economics Paris Working Group on Evolutionary Game Theory, Institut Henri Poincaré
<i>2011</i>	Paris Working Group on Evolutionary Game Theory, Institut Henri Poincaré 22nd International Game Theory Conference at Stony Brook, USA
<i>2012</i>	SIGMA research group, Institut Jean Nicod, Paris THEMA, Economics Department, Université de Cergy-Pontoise, France Theory Workshop, Centre d’Economie de la Sorbonne, Paris 23rd International Game Theory Conference at Stony Brook, USA
<i>2013</i>	“Minds in Common,” Workshop, École Normale Supérieure, Paris Randomness and Divine Providence, Conference, Calvin College, Grand Rapids, USA Program for Evolutionary Dynamics, Harvard University, USA
<i>2014</i>	Study Group in Mathematical Psychiatry, Columbia University, USA
<i>2016</i>	The Limits and Possibilities of Narrative Explanations, Workshop, Wissenschaftskolleg Berlin, Germany Experiments & Models of Social Networks: Cooperation, Conflict and Trust, Workshop, Copenhagen, Denmark Economic Theory Conference, University of Warwick, UK World Congress of Game Theory, Maastricht, NL Invited talk: Economics Department, University of Maastricht, NL

- 2018 International Symposium on Dynamic Games and Applications, Grenoble, France. Talk: “Equilibrium refinement in signaling games as truth conditions of counterfactuals”
- December 12: Dialogue and Game Theory Reading Group, Université Paris-Diderot, Paris 8, Laboratoire Linguistique Formelle (LLF). Talk: “Costly-signaling games: Applications in the study of language”
- Workshop on Optimization, Game Theory, and Data Analysis (at the occasion of Immanuel Bomze’s 60th birthday), University of Vienna. Talk: Costly signaling: Rationality and evolution (a classification)”
- 2019 January 17: Economics Department, KIT–Karlsruhe Institute of Technology, Germany. Invited talk: “Costly signaling: Rationality and Evolution”
- April 30: University of Vienna, Working Group in Mathematical Biology. Talk: “Costly signaling: rationality and evolution”
- May 2: Max Planck Institute for Evolutionary Biology, Plön, Germany. Talk: “Costly signaling: rationality and evolution”
- June 4–5: Workshop on Dynamic Games, CIRM–Centre International de Rencontres Mathématiques, Luminy, France. Talk: “Costly signaling: rationality and evolution”
- June 20: Journée d’Economie, Université Paris–Panthéon–Assas. Talk: “Costly signaling: rationality and evolution”
- October 4: Vienna Workshop in Evolutionary Game Theory, University of Vienna. Talk: “The evolutionary dynamics of costly signaling”
- December 16: Paris Game Theory Seminar, Institut Henri Poincaré. Talk: “The evolutionary dynamics of costly signaling”
- 2020 January 17: University North, Department of Communication, Koprivnica (Croatia). Talk: “Reading Barthes: A structural analysis of mathematical writing.”
- January, 30: London School of Economics, Seminar on Combinatorics, Games and Optimisation. Talk: “Costly signaling: Rationality and evolution”
- September 7–8: SMAI–MODE (Société de Mathématiques Appliquées et Industrielles – Mathématiques de l’Optimisation et de la Décision) days, Paris-Saclay (online). Talk: “Costly signaling: Rationality and evolution”
- 2021 April 30: University of Graz, Austria. Invited talk: “Strategic manipulation in Bayesian Dialogues” (online)
- November 26–28: Conference in Memory of Philippe Mongin, University Paris Dauphine. France. Talk: “Structural analysis of narrative and game theory”
- 2022 April 5–6: Workshop *What is a game? Fresh perspectives on games and human behavior*, London School of Economics, UK. Talk: “The sequence of functions in time vs. the matrix: a parallel in debates in game theory and narrative analysis”
- May 15: University of Graz, Austria. Invited talk: “Costly signaling: Rationality and evolution”

- June 20–22: French Conference on Complexity FrCCS2022, Paris, France. Talk: “Strategic manipulation in Bayesian Dialogues”
- June 28–29: Paris-Berkeley Workshop on Probability and Meaning, ENS, Institut Jean Nicod, Paris. Talk: “Meaning in costly-signaling games”
- July 18–22: 41<sup>st</sup> Maximum Entropy Conference, Institut Henri Poincaré, Paris. Talk: “Strategic manipulation in Bayesian Dialogues” (online)
- December 9 : Centre d’Économie de la Sorbonne. Invited talk: “Costly signaling: Rationality and evolution”
- 2023 February 18–22: Conference “Writing Research Across Borders 2023,” Norwegian University of Science and Technology. Talk: “Free indirect style in mathematical writing” (online)
- June 15: 1st Paris Workshop on Games, Decisions, and Language. Talk: “Implicatures in Bayesian Dialogues”
- October 26–27: Second Paris Workshop on Dynamic Games. Talk: “The evolutionary dynamics of costly signaling”
- December 21: Workshop “Probabilities and Interaction,” University of Vienna, Faculty of Mathematics. Talk: “Belief-based refinements, index of equilibria, and invariance in signaling games”
- 2024 April 15–17: LSE Game Theory Workshop. Talk: “Meaning in costly signaling games”
- June 6: Linguae Seminar, Institut Jean Nicod, Paris. Talk: “Meaning in costly signaling games”
- September 30: Paris Game Theory Seminar, Institut Henri Poincaré. Talk: “Evolutionary dynamics of costly signals and signals with positive payoff increments”
- October 10: IFM–Institut Français de la Mode, Paris. Talk: “Costly signaling games: Applications in dress and fashion”
- October 17–18: 3rd Workshop on Dynamic Games, University Paris–Panthon–Assas. Talk: “Evolutionary dynamics of signals with positive payoff increments”
- 2025 January 17: University of Bielefeld, Economics Department. Talk: “Evolutionary dynamics of costly signals and signals with positive payoff increments”
- June 5–7: 3rd Paris Workshop on Game Theory and Language, joint talk with Josef Hofbauer
- July 1: Vienna Working Group in Biomathematics. Talk: “Evolutionary dynamics in signaling games”
- October 16: Dynamic Games and Applications Online Seminar. Talk: “Evolutionary dynamics in signaling games”
- November 20–21: Symposium on Fashion, Meaning and Language, IFM–Institut Français de la Mode, Paris: “Costly-Signaling Games: Applications to Dress and Fashion”

## 10 Organization of Workshops and Conferences

2019	Mai 22–24: Workshop on Signaling in Markets, Auctions, and Games, Université Paris–Panthéon-Assas (co-organized with Olivier Bos) October 4: Vienna Workshop on Evolutionary Game Theory, University of Vienna (co-organized with Josef Hofbauer)
2021	October 11: Colloquium in Honor of Robert Aumann, Université Paris–Panthéon–Assas (co-organized with Antoine Billot)
2022	May 27: Mini Symposium: Novels and Symphonies as Concrete Artifacts, Université Paris–Panthéon–Assas (co-organized with Ned Markosian) June 8–9: Signaling in Social Interactions: A Multidisciplinary Approach, Université Paris–Panthéon–Assas (co-organized with Olivier Bos)
2023	June 15–16: 1st Paris Workshop on Game Theory and Language, Université Paris–Panthéon–Assas December 21: Mini-Workshop: Probabilities and Interaction, University of Vienna, Faculty of Mathematics (co-organized with Mathias Beiglböck)
2024	June 13–14: 2nd Paris Workshop on Game Theory and Language, Université Paris–Panthéon–Assas
2025	June 2–7: First Paris Game Theory Festival, Institut Henri Poincaré and Université Paris–Panthéon–Assas (co-organized with Chantal Marlats and Olivier Gossner) June 5–7: 3rd Paris Workshop on Game Theory and Language, Université Paris–Panthéon–Assas
2026 <i>upcoming</i>	June 8–12: 2nd Paris Game Theory Festival, Institut Henri Poincaré and Université Paris–Panthéon–Assas (co-organized with Chantal Marlats and Olivier Gossner) June 11–12: 4th Paris Workshop on Game Theory and Language: “Half a Century of Agreeing to Disagree,” Université Paris–Panthéon–Assas

## 11 Other professional activities

### Reviewing

#### Journals

Annals of Operations Research (1), The British Journal for the Philosophy of Science (1), Dynamic Games and Applications (5), Econometrica (1), Economic Theory (3), Economic Theory Bulletin (1), Erkenntnis (1), European Journal of Operational Research (1), Games (4), International Game Theory Review (1), International Journal of Game Theory (5), Journal of Economic Behavior & Organization (2), Journal of Logic, Language and Information (1), Journal of Mathematical Biology (1), Journal of Semantics (1), Journal of Theoretical Biology (6), PLOS Computational Biology (1), PNAS Nexus (1), RAIRO Operations Research (1), Revue Économique (1), Social Sciences (1).

In parentheses: number of articles reviewed (no double counting for revisions)

### Research Foundations

FWF–Austrian Science Fund (1), ISF–Israel Science Foundation (1), NSF–National Science Foundation, USA (1), NWO–Dutch Research Council (1).

In parentheses: number of applications reviewed.

### Other

- 2018–present: As member of the Scientific Committee of the Labex MME-DII (Modèles Mathématiques et Économiques de la Dynamique, de l’Incertitude et des Interactions), about 30 applications per year (for scientific projects, conferences and workshops, Master, PhD, post-doc positions, international short-term chairs of excellence, teaching buyouts)
- 2024–present: CogSci conference

### Editorial responsibilities

2021–present: member of the editorial board of *The International Journal of Game Theory*.

2022–23: Guest editor, together with Antoine Billot, of the Special Issue of *Revue Économique in Honor of Robert Aumann* 2023/4, Vol. 74.

2023–present: Guest editor, together with Paul Égré, Joel Sobel, Benjamin Spector, and Bernhard von Stengel of the Special Issue *Games, Decisions, and Language* of *The International Journal of Game Theory*. Continuous online publishing.

2026–present: Guest editor, together with Herakles Polemarchakis, Yoram Moses, and Ziv Hellman, of the Special Issue *50 Years ‘Agreeing to Disagree’* of *Games and Economic Behavior*.

### Institutional services

2012 – 2020	Member of the Committee of the Faculty of Economics and Business (Conseil de l’UFR)
2014 – present	Member of the board of the CMI (Cursus du Master en Ingénierie) “Économie, Finance Qualitative, Statistique,” a selective undergraduate program in economics at the University Paris–Panthéon–Assas; responsible for the matching of students to projects proposed by faculty
2018 – 2024	Member of the Bureau of the Department of Economics of the University Paris–Panthéon–Assas
2021 – present	Member of the Scientific Committee of the FSM–Fondation des Sciences de la Modlisation (formerly Labex MME-DII–Modèles Mathématiques et Économiques de la Dynamique, de l’Incertitude et des Interactions)
2023 – present	Member of the Collège de formation et de recherche (CFR) “Risque, environnement et scurité” of the University Paris–Panthéon–Assas
2025 – present	Co-director of the CMI (Cursus du Master en Ingénierie) “Économie, Finance Qualitative, Statistique,” a selective undergraduate program in economics at the University Paris–Panthéon–Assas

## Recruitment committees

2017	Member of the committee for the recruitment of an assistant professor in mathematics at the University Paris–Panthéon–Assas
2020	Member of the committee for the recruitment of a “professeur agrégé” (PRAG) in mathematics at the University Paris–Panthéon–Assas
2021	Member of the committee for the recruitment of an assistant professor in mathematics at the University Paris 1 Panthéon–Sorbonne
2025	Member of the committee for the recruitment of an assistant professor in computer science at the University Paris–Panthéon–Assas

## Supervising

### Undergraduate yearly projects of students of the CMI EFiQuaS:

2014–present: about 8 students per year

### Supervision of research interns at LEMMA:

- 2017: Solenne Bore, Luc Fortin (CMI EFiQuaS)
- 2018: Adrien Bay, Corentin Bonnet (CogMaster, ENS)
- 2018: Fatimata Kane, Gradie Muntu (CMI EFiQuaS)
- 2019: Emma Morato (CMI EFiQuaS)
- 2020: Pauline Oger (CMI EFiQuaS)
- 2021: Clément Lauré (CMI EFiQuaS)
- 2022: Élodie Connehuet (CMI EFiQuaS)
- 2023: Victorien Marette (ENS, Paris Saclay), Arsen Pidburachynskyi (CMI EFiQuaS)
- 2024: Zoé Dupeyre, Jasmine Kacer, Abram Lakhvinder (CMI EFiQuaS), Eva Djamou (Paris–Panthéon–Assas)
- 2025: Maxime Auffret-Babak (CMI EFiQuaS), Eva Djamou (Paris–Panthéon–Assas), Thérèse Dong (CMI EFiQuaS)

### Master theses (Master *Ingénierie Statistique et Financière*, Paris–Panthéon–Assas):

- 2018–19 : Agathe Cannet (M2), Aurélien Legros (M2)
- 2019–20 : Ngoc Hoang (M2), Nabila Ouliz (M2)
- 2020–21 : Lucas Walter (M1)
- 2021–22 : Lucas Walter (M2), Gaëlle Thiombiano (M1)
- 2022–23 : Gaëlle Thiombiano (M2)
- 2023–24 : Ilhan Derouiche-Lagarde (M1)
- 2024–25 : Younès Hafiane (M1), Ilhan Derouiche-Lagarde (M2), Zeki Ekici (M2)
- 2025–26 : Lou Dangoisse (M1), Oscar Pratt (M1), Zinxin Cao (M2), Wissam Chamssan (M2), Lily Lim (M2)

## PhD committees

2025/11

Reviewer and member of the PhD thesis committee of Benjamin Simenauer, University of Lorraine (France), Philosophy

## 12 Grants received

2019

Labex MME DII (Modèles Mathématiques et Économiques de la Dynamique, de l'Incertitude et des Interactions) for the international workshop *Signaling in Markets, Auctions, and Games* (together with Olivier Bos): 9 640,- euros

2020

ANR “Signaling in Auctions and Mechanisms: Theory and Experimental Evidence (SIGNAL, ANR-19-CE26-0009), together with Olivier Bos (PI), Sander Onderstal, Martin Pollrich, and Tom Truyts: 112 300,- euros

2021

Labex MME DII, for the *Colloquium in Honor of Robert Aumann* (together with Antoine Billot) : 8 000,- euros

BQR (Bonus Qualité de Recherche) of the Université Paris–Panthéon–Assas, for the *Colloquium in Honor of Robert Aumann* (together with Antoine Billot) : 6 000,- euros

Labex MME DII for the international workshop *Signaling in Social Interactions* (together with Olivier Bos): 8 000,- euros

2022

Labex MME DII, for the *First Paris Workshop on Games, Decisions, and Language*: 6 000,- euros

2023

BQR of the Université Paris–Panthéon–Assas, for the *First Paris Workshop on Games, Decisions, and Language*: 3 500,- euros

Maison des Sciences de l'Homme, for the *First Paris Workshop on Game Theory and Language* (together with Olivier Bos): 3 600,- euros

Fondation Paris–Panthéon–Assas, for the *Second Paris Workshop on Game Theory and Language*: 7 200,- euros

Labex MME DII, for the *Second Paris Workshop on Games, Decisions, and Language*: 5 000,- euros

2024

Labex MME DII, Teaching buyout for 2024–25: 8 000,- euros

2025

BQR of the Université Paris–Panthéon–Assas, for the *Third Paris Workshop on Game Theory and Language*: 4 000,- euros

FSM (Fondation des Sciences de la Modélisation), for the *Third Paris Workshop on Game Theory and Language*: 4 000,- euros

## 13 Other

### Non-academic publications

“Leben ist nicht genug” [Short story, in German]. In: Christa Stippinger (ed.) *Grenzgänger*, Edition Exil, Vienna 2001.

“Many and One. On Sylvia K. Kummer’s: The Body as Space for Perception. An exhibition at Die Schöne Art Gallery.” Vienna, September 13–15, 2019.

**Languages:** German, English, French