

Curriculum Vitae
Christina Pawlowitsch

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Born: 1974, in Vienna, Austria
Nationality: Austrian
Current employment: Assistant Professor (Maître de Conférences) in Applied Mathematics at the Université Panthéon-Assas, Paris II
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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>2004–2007</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 Academic positions

<i>2004–2007</i>	Research and teaching assistant, Department of Economics, University of Vienna
<i>2007–2009</i>	Post-doctoral research fellow at Harvard University, Program for Evolutionary Dynamics
<i>2009–2010</i>	Post-doctoral research fellow and lecturer at the University of Vienna, Research Group in Language Change at the Department of English and American Studies
<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 Panthéon-Assas, Paris II

3 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

External teaching appointments:

<i>2010–2012</i>	External lecturer at the University of Vienna for Academic Writing
<i>2016–2021</i>	External lecturer at the University of Vienna for Academic Writing
<i>2019, fall</i>	External lecturer at the École Polytechnique, Palaiseau (Paris), France

4 Teaching

University of Vienna:

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

Université Panthéon-Assas, Paris II:

<i>2012–present</i>	Mathematics (analysis and linear algebra) and statistics (probabilities and random variables) for the undergraduate program in economics Game theory for the MA program Workshop in academic writing for the PhD program
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5 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.

6 Publications

1. 2007. “Finite populations choose an optimal language.” *Journal of Theoretical Biology*, 249, 606–616.
2. 2008. “Why evolution does not always lead to an optimal signaling system.” *Games and Economic Behavior* 63, 203–226.
3. 2008. “One-third rules with equality: second-order evolutionary stability conditions in finite populations,” with Immanuel Bomze. *Journal of Theoretical Biology*, 254, 616–620.
4. 2011. “Neutral stability, drift, and the diversification of languages,” with Panayotis Merikopoulos and Nikolaus Ritt. *Journal of Theoretical Biology* 287, 1–12.
5. 2012. “Stochastic evolutionary dynamics resolve the Traveler’s Dilemma,” with Michael L. Manapat, David G. Rand, and Martin A. Nowak. *Journal of Theoretical Biology* 303, 119–127.
6. 2020. “Making see: a structural analysis of mathematical and in particular game-theoretic writing.” *Narrative*, 28 (3), 327–353.
7. 2021. “Strategic manipulation in Bayesian Dialogues.” *Synthese* 199, 11279–11303.

7 Work in progress

Articles

- “Extensive-form rationalizability and invariance” (with Rida Laraki)
- “The evolutionary dynamics of costly signaling (with Josef Hofbauer)
- “Equilibrium refinement in signaling games as truth conditions of counterfactuals”

Books

- “Costly Signaling: Rationality and Evolution”
- “Dialogues Aumanniennes” (in French)

8 Invited talks and talks at conferences

2006	Vienna Working Group in Bio-Mathematics Workshop on Economics and Philosophy, Universidad Nacional de Educacion a Distancia, Madrid, Spain (co-organizer: Ariel Rubinstein) European Mathematical Psychology Group Meeting, Brest, France Invited talk at the Symposium “Games in Communication”, University of Bielefeld
2007	Vienna Working Group in Bio-Mathematics Invited talk at the Symposium “Games in Communication II”, University of Bielefeld
2008	University of Illinois at Urbana-Champaign, USA
2009	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
<i>2011</i>	Paris Working Group on Evolutionary Game Theory 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
<i>2018</i>	International Symposium on Dynamic Games and Applications, Grenoble, France Dialogue and Game Theory Reading Group, Université Paris-Diderot, Paris 8, Laboratoire Linguistique Formelle (LLF) Workshop on Optimization, Game Theory, and Data Analysis (at the occasion of Immanuel Bomze’s 60th birthday), University of Vienna
<i>2019</i>	Invited talk: Economics Department, KIT–Karlsruhe Institute of Technology, Germany Arbeitsgruppe Biomathematik (Working Group in Mathematical Biology), University of Vienna Max Planck Institut for Evolutionary Biology, Plön, Germany Workshop on Dynamic Games, CIRM–Centre Internationale de Rencontres Mathématiques, Luminy, France Journée d’Economie, Université Panthéon-Assas, Paris II Vienna Workshop in Evolutionary Game Theory, University of Vienna Paris Game Theory Seminar, Institut Henri Poincaré

2020	<p>January 17: University North, Department of Communication, Koprivnica (Croatia)</p> <p>January, 30: London School of Economics, Seminar on Combinatorics, Games and Optimisation</p> <p>September 7–8: SMAI-MODE (Société de Mathématiques Appliquées et Industrielles – Mathématiques de l’Optimisation et de la Décision) days, Paris-Saclay (online)</p>
2021	<p>April 30: University of Graz, Austria. Invited talk: “Strategic manipulation in Bayesian Dialogues” (online)</p> <p>November, 26–28: Conference in Memory of Philippe Mongin, University Paris II, France</p>
2022	<p>April 5–6: Workshop <i>What is a game? Fresh perspectives on games and human behavior</i>, 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”</p> <p>May 15: University of Graz, Austria. Invited talk: “Costly signaling: rationality and evolution”</p> <p>June 20–22: French Conference on Complexity FrCCS2022, Paris, France</p> <p>June 28–29: Paris-Berkeley Workshop on Probability and Meaning, ENS, Institut Jean Nicod, Paris</p>

9 Organization of Workshops and Conferences

2019	<p>Mai 22–24: Workshop on Signaling in Markets, Auctions, and Games, Université Panthéon-Assas, Paris II (co-organized with Olivier Bos)</p> <p>October 4: Vienna Workshop on Evolutionary Game Theory, University of Vienna (co-organized with Josef Hofbauer)</p>
2021	<p>October 11: Colloquium in Honor of Robert Aumann, Université Panthéon-Assas, Paris II (co-organized with Antoine Billot)</p>
2022	<p>June 8–9: Signaling in Social Interactions: a Multidisciplinary Approach, Université Panthéon-Assas, Paris II (co-organized with Olivier Bos)</p>
2023 <i>upcoming</i>	<p>June: Applications of Game Theory in the Study of Language, Université Paris–Panthéon-Assas</p>

10 Other professional activities

Reviewing

The British Journal for the Philosophy of Science (1), Dynamic Games and Applications (3), Econometrica (1), Economic Theory (1), Erkenntnis (1), European Journal of Operational Research (1), Games (5), Games and Economic Behavior (1), International Game Theory Review (1), International Journal of Game Theory (3), Journal of Economic Behavior & Organization (1), Journal of Logic, Language and Information (1), Journal of Mathematical Biology (1), Journal

of Semantics (1), Journal of Theoretical Biology (6), PNAS Nexus (1), Proceedings of the Royal Society B (1), RAIRO Operations Research (1), Revue Économique (1).

The Austrian National Science Fund (1), The Dutch Research Council (1), The National Science Fund, USA (1).

Editorial services

Since January 2021, I am on the editorial board of the *International Journal of Game Theory*.

Institutional services

<i>2012 – 2020</i>	Member of the Committee of the Faculty of Economics and Business (Conseil de l'UFR)
<i>2014 – present</i>	Member of the board of the Coursus du Master en Ingénierie Economique (selective undergraduate program in economics) at the University Panthon-Assas
<i>2018 – present</i>	Member of the Bureau of the Department of Economics of the University Panthéon-Assas
<i>2021 – present</i>	Member of the Scientific Committee of the Labex MME-DII Modèles Mathématiques et Économiques de la Dynamique, de l'Incertitude et des Interactions

11 Other

Non-academic publications

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

Languages

German, English, French