

Olivier Bos

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Areas of Interest

Microeconomic Theory (Auctions, Mechanism Design, Voting), Game Theory (Signaling Games), Public Economics (Public Goods), Experimental Economics (Auctions, Voting).

Academic Positions

Since 2021 Professor of Economics, Ecole Normale Supérieure (ENS) Paris-Saclay.
Since 2017 Member, Market Design Group, ZEW, Mannheim.

Past Positions

2010 – 2021 *Maître de conférences* (tenured Assistant Professor), Panthéon-Assas University.
2016 – 2021 Junior Member, Institut Universitaire de France.
2009 – 2010 Post-Doctoral Research Fellow, University of Cologne.

Visiting Positions held at ESMT (Berlin, 2013); University of Cologne (2016); Technical University of Berlin (2015, 2016); CESifo, Ludwig Maximilians University (Munich, 2018); University of Bonn (2020).

Affiliations

Since 2021 Research Affiliate, CEPS, ENS Paris-Saclay.
Since 2018 Research Fellow, CESifo, Munich.
Since 2010 Research Affiliate, LEMMA, Panthéon-Assas University (Paris 2).

Education

2016 *Habilitation à diriger des recherches* (Post-PhD degree in France, providing PhD students supervisions), Panthéon-Assas University. *Garant* : Antoine Billot.
2005 – 2009 Ph.D. in Economics, Graduate Program APE, Paris School of Economics. *Advisor*: Gabrielle Demange.
2008 – 2009 Visiting Ph.D. Student at CORE, Université Catholique de Louvain.
2007 – 2008 Visiting Ph.D. Student at the University of Bonn. *Advisor*: Benny Moldovanu.
2004 – 2005 Master in Economics, Graduate Program APE, Paris School of Economics.
2002 – 2005 Graduate Diploma in Economics and Statistics, ENSAE (Paris).
1998 – 2002 *Maîtrise d'Econométrie* (4 years degree in economics), CY Cergy Paris Université.

Fellowships and Honors

2016 – 2021 Junior Member, Institut Universitaire de France (€75 000 of research funds).
Since 2015 Scientific excellence research premium (French acronym: PEDR), Panthéon-Assas University.
2008 – 2009 Marie Curie Fellowship from the European Commission.
2005 – 2008 Doctoral Fellowship from the French Ministry of Higher Education and Research.

2005 – 2007 *Moniteur*, teaching fellowship at the Paris Nanterre University (resignation for departure at the University of Bonn).

Research Grants

2020 – 2025 ANR (French National Research Agency) Grant, “Signaling in Auctions and Mechanisms: Theory and Experimental Evidence”, PI (Principal Investigator), <https://anr-signal.u-paris2.fr>, €112 300.

2020 DAAD Grant (German Academic Exchange Service) for the project “Optimal Auctions with Signaling”, €2 500.

2018 – 2022 Member of the ANR Grant, “Information Design in Experimentation and Competitive Bidding”, PI: Chantal Marlats., €114 500.

2013 – 2016 ANR Grant, “Dynamic Behavior and Contribution to Public Goods”, with Chantal Marlats and Lucie Ménager, €70 000.

02/2016 Grant from the C-SEB, University of Cologne, €2 500.

2009 Grant from the European Science Foundation within the activity ‘Public Goods, Public Projects, Externalities’ for projects on “Charitable Mechanisms”, €5 700.

Internal Grants (involved activities detailed in the section Organization of Workshops): BQR from Panthéon-Assas University (2011, 10 000€; 2019, 8 800€; 2020, 5 000€), Labex MME-DII (2018, 10 000€; 2019, 5 000€; 2019, 2 000€; 2020, 5 000€).

Publications

- [12] “Entry in First-price Auctions with Signaling”, with Tom Truyts (University Saint-Louis – Brussels), *International Journal of Game Theory*, forthcoming.
- [11] “Signalling in Auctions: Experimental Evidence”, with Francisco Gomez-Martinez (BI Norwegian Business School), Sander Onderstal (University of Amsterdam) and Tom Truyts (University Saint-Louis – Brussels), *Journal of Economic Behavior & Organization*, 2021, vol. 187, pp. 448-469.
- [10] “Auctions with Signaling Concerns”, with Tom Truyts (University Saint-Louis – Brussels), *Journal of Economics & Management Strategy*, 2021, vol. 30, pp. 420-448.
- [9] “Charitable Asymmetric Bidders”, *Journal of Public Economic Theory*, 2020, vol. 22, pp. 320-337.
- [8] “Risk and Unraveling Matching for Labor Markets”, with Martin Ranger (University of Bonn), *Annals of Economics and Statistics*, 2018, vol. 129, pp. 127-144.
- [7] “Agreeing on Efficient Emissions Reduction”, with Béatrice Roussillon (Grenoble Alpes University) and Paul Schweinzer (University of Klagenfurt), *Scandinavian Journal of Economics*, 2016, vol. 118, pp. 785-815.
- [6] “Charity Auctions for the Happy Few”, *Mathematical Social Sciences*, 2016, vol. 79, pp. 83-92.
- [5] “All-Pay Auctions with Polynomial Rewards”, with Martin Ranger (University of Bonn), *Annals of Economics and Statistics*, 2014, vol. 114-115, pp. 361-377.
- [4] “Wars of Attrition and All-Pay Auctions with Stochastic Competition”, *Journal of Mathematical Economics*, 2012, vol. 48, pp. 83-91.
- [3] “How Lotteries Outperform Auctions”, *Economics Letters*, 2011, vol. 110, pp. 262-264.

Publications in French

- [2] “Effets de réputation dans les enchères : l’inégalité des perdants”, with Tom Truyts (University Saint-Louis – Brussels), *Revue Economique*, 2021, vol. 73, pp. 443-458.

[1] “L’enchère à offres payantes, un mécanisme aux applications diverses”, *Revue Economique*, 2011, vol. 62, pp. 5-28.

Working Papers

“Auctions with Signaling Bidders: Optimal Design and Information Disclosure,” with Martin Pollrich (University of Bonn).

“Signalling in Auctions for Risk-Averse and Loss-Averse Bidders,” with Francisco Gomez-Martinez (BI Norwegian Business School) and Sander Onderstal (University of Amsterdam).

“Existence of Equilibrium in All-Pay Auctions with Price Externalities”, R&R at *Social Choice and Welfare*.

Other Publication (in French)

“De nouveaux jours heureux ?”, *Esprit*, n°457, juin 2021, pp. 14-17.

Op-ed articles (in French)

L’opportunité climatique d’une croissance retrouvée, *L’Obs*, 01/07/2021.

Droits TV du football français : un coûteux hors-jeu, with Vitali Gretschko (ZEW), *Les Échos*, 23/01/2021.

Pourquoi le masque doit devenir gratuit pour tous, avec Nicolas Frémeaux (Université Panthéon-Assas) et Paul Maarek (Université Panthéon-Assas), *L’Obs*, 22/10/2020.

Dans une société qui utilise les enchères au quotidien, l’originalité des travaux de Paul Milgrom et Robert Wilson nous est précieuse, avec Vitali Gretschko (ZEW), *Le Monde*, 19/10/2020.

Enchères 5G : une déception sans surprise, avec Vitali Gretschko (ZEW), *Les Échos*, 06/10/2020.

Penser accueillir l’ensemble des étudiants sans drame sanitaire relève de l’irresponsabilité, avec Nicolas Frémeaux (Université Panthéon-Assas) et Paul Maarek (Université Panthéon-Assas), *Le Monde*, 28/09/2020.

Méthode d’attribution des fréquences 5G : des choix discutables, with Vitali Gretschko, *Les Echos*, 02/10/2019.

Le marché de l’art : l’effervescence des effets de réputation, with Tom Truyts, *La Recherche*, 17/09/2019.

La double Licence : l’autre aventure universitaire, *The Conversation*, 20/04/2016.

« [...] voler légalement les riches » ?, *Marianne.net*, 10/04/2012.

La hausse des droits d’inscription à l’université : un choix de société, *La Tribune*, 02/01/2012.

Selected Presentations

Departmental: CES – University Paris 1 (2010, 2019), CIREN (Paris, 2016), Catholic University of Lille (2009), Ecole Polytechnique (2011), ENSAI (Rennes, 2018), Gate – University of Lyon (2018), IZA (Bonn, 2009), Humboldt University Berlin (2009), Maastricht University (2009), Max Planck Institute (Bonn, 2010), Panthéon-Assas University (2010), Paris Nanterre University (2010), Toulouse School of Economics (2010), University of Amsterdam (2009), University of Caen (2012), University of Cologne (2009), University of Franche-Comté (2018), University of Lorraine (scheduled - 2022), University of Orléans (2018), University of Paris-Sud (2017), University of Pau and Pays de l’Adour (2020), University de St. Gall (2017), University of Leuven (2011), Warsaw School of Economics (2011, 2017), WZB (Berlin, 2009), ZEW (Mannheim, 2019).

Conferences: Annual American Association of Wine Economists Conference 2021 (scheduled); Asian Meeting of the Econometric Society 2011; CESifo Venice Workshop 2008; ECORE Summer School 2007, 2009; Conference on Mechanism and Institution Design 2020; European Association

for Research in Industrial Economics 2018; European Econometric Society / European Economic Association Meetings 2008, 2010; INFORMS Annual Meeting 2019; International Conference on Game Theory and Management 2020; World Congress of the Game Theory Society 2008, 2021; Hurwicz Workshop on Mechanism Design Theory 2018; Latin American Meeting of the Econometric Society 2008; Public Economic Theory Conference 2010; Royal Economic Society Meetings 2010; Society for the Advancement of Economic Theory Meetings 2007, 2009; Society of Economic Design Conference 2009; Spring Meeting of Young Economist 2007; Symposium of Economic Analysis 2008; UECE Lisbon Meetings in Game Theory 2012.

Organization of Workshops

Co-organizer of the “Virtual Market Design Seminar Series”, a bi-weekly online international seminar on market design (since April, 2020). This is a joint project between the KIT, Panthéon-Assas University, University of Bonn, University of Cologne and ZEW, <http://virtual-md-seminar.com> and <https://twitter.com/VMDSeminar>.

– Since October 2020, the seminars are video recorded and available on our Youtube account: <https://www.youtube.com/channel/UCwmz3Z8veQWXY3LTepKMFsA/videos>.

Co-organizer of the yearly “KIT-Paris-ZEW Workshop on Market Design”, <http://marketdesign-workshop.com>

– The 1st workshop was held in Mannheim, 14-15 October 2019.

– The 2nd will be in Paris, 27-28 June 2022 (initially planned 15-16 June 2020, reported due to the pandemic crisis).

Co-organizer, with Christina Pawlowitsch, of the workshops SIGNAL (Paris), <https://signaling.u-paris2.fr>.

– The 1st workshop, “Signaling in Markets, Auctions and Games: a Multidisciplinary Approach”, was held on 22-23 May 2019. Speakers were from Amsterdam, Bonn, Bristol, Cergy-Pontoise, Dauphine, ENS, KIT, LSE, UCSD, Vienna.

– The 2nd, “Signaling in Social Interactions: a Multidisciplinary Approach”, will be on 8-9 June 2022 (initially planned 2-3 June 2021, reported due to the pandemic crisis).

Co-organizer of Doctoral Meeting, University of Paris-Saclay, June 2022, <http://docteco-paris-saclay.eu>.

Organizer of the session “Signaling in Auctions”, INFORMS Annual Meeting, Oct. 2019, Seattle.

Co-organizer of the Paris-Cologne Workshop “Recent Developments in Market Design”, Sept. 2011.

Further Professional Activities

Since 2022 Associate Dean of the Department of Social Sciences, ENS Paris-Saclay.

2022 Head of the faculty recruiting committee in economics, ENS Paris-Saclay.

Since 2021 Co-director of the ‘Master of Economics’, head of the first year (M1), ENS Paris-Saclay and University of Paris-Saclay.

Since 2021 Member of the Graduate School Economics & Management, University of Paris-Saclay.

2018 – 2021 Member of the board of the Institut Universitaire de France.

2012 – 2016 Co-director of the double bachelor (Licence) in Economics and Sciences at Panthéon-Assas University and University Pierre and Marie Curie.

— Students’ completing studies: ENSAE, ISUP, Edhec, Master in Economics at Sciences Po (PhD track), Master in Finance at Paris-Dauphine University, Master in Economics at the University of Montreal.

2010 Microeconomic Seminar Organizer, Department of Economics, University of Cologne.

Thesis Committee Member (Referee)

Diomides Mavroyiannis (Paris-Dauphine University), December 2019, Supervisor: David Ettinger.

Teaching Experience

Currently at the ENS Paris-Saclay: Decision Theory & Game Theory (master, since 2021), Market Design (master, since 2021), Public Economics (master, since 2021).

Previously: CESifo, Ludwig Maximilians University (Munich): PhD Lecture entitled *Charitable and fundraising mechanisms: theory and experimental evidence* (Feb. 2018); Panthéon-Assas University: Market Design (master, 2019 – 2021), Advanced Microeconomics (Voting Theory, undergrad./DU, 2019 – 2021), Advanced Microeconomics (Game Theory Mathematical Foundations, undergrad./DU, 2013 – 2019), Auction Theory (master, 2010 – 2018), Information Economics (undergrad., 2014 – 2016), Advanced Statistics (undergrad./DU, 2014 – 2016), Dominance Stochastic and Economic Applications (master, 2010 – 2016), Decision Theory (master, 2012 – 2014), Descriptive Statistics (undergrad., 2010 – 2014), Industrial Organization (master, 2010 – 2013), Topic Course in Public Economics (master, 2012), Principle of Economics (IPAG, 2010); Paris Nanterre University: TA in Industrial Organization (undergrad., 2006, 2007); ENSAE: TA in Game Theory, TA in Microeconomic Theory (master, 2008), lecturer in L^AT_EX and T_EX (2006, 2007), reading group in Social Choice (2006); University Paris 1: TA in Probability (undergrad., 2005).

Beyond academia: Lecture in Public Finance for a non academic audience (Université Inter-âges), University Paris-Sorbonne, Feb. 2013; Maison d'arrêt de Niort (French Jail), teacher in Computer Science, summer 2003.

Referee Activities

Journals: *Computational Economics, Economics Bulletin, Economics Letters, European Economics Review, Games, Games and Economic Behavior, International Journal of Industrial Organization, International Journal of Game Theory, Journal of Mathematical Economics, Journal of Economics & Management Strategy, Journal of Economic Theory, Journal of Industrial Economics, Journal of Public Economics, Journal of Public Economic Theory, Louvain Economic Review, Mathematics of Operations Research, Management Science, Mathematical Social Sciences, Production and Operations Management, RAND Journal of Economics, Review of Economic Design, Revue Economique, Revue Française d'Economie, Social Choice and Welfare, Southern Economic Journal, The B.E. Journal of Theoretical Economics, Theory and Decision.*

Others: *Chilean National Science and Technology Commission (CONICYT - Chile), Spring Meeting of Young Economist.*