

Olivier Bos

Research Interests

Mechanism Design, Auction Theory, Political Economy (Formal Politics), Artificial Intelligence.

Contact

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Appointments

Since 2021 Professor of Economics, Ecole Normale Supérieure (ENS) Paris-Saclay.
Since 2022 Founding director, Centre for Economics at Paris-Saclay (CEPS), <https://ceps-paris-saclay.fr/>

Previous Appointments

2022 – 2025 Deputy Head of Humanities and Social Sciences Dept. (DER SHS), ENS Paris-Saclay.
2016 – 2021 Junior Member, Institut Universitaire de France.
2017 – 2022 Member, Market Design Group, ZEW, Mannheim.
2010 – 2021 *Maître de conférences* (tenured Assistant Professor), Panthéon-Assas University.
2009 – 2010 Post-Doctoral Research Fellow, University of Cologne.

Fellowships of CESifo network (since 2018), CEPS (since 2021), LEMMA, Panthéon-Assas University (since 2010).

Visiting Positions held at CESifo, Ludwig Maximilians University (Munich); ESMT (Berlin); Technical University of Berlin ; University of Bonn; University of Cologne; University of Cyprus; University of Macedonia (Thessaloniki); Ca' Foscari University of Venice.

Education

2016 *Habilitation à diriger des recherches* (Post-PhD degree in France, providing PhD students supervisions), Panthéon-Assas University.
2005 – 2009 Ph.D. in Economics, Graduate Program APE, Paris School of Economics.
2008 – 2009 Visiting Ph.D. Student at CORE, Université Catholique de Louvain.
2007 – 2008 Visiting Ph.D. Student at the University of Bonn.
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 University.

Working Papers

“AI Contagion in Social Networks,” with Stefano Bosi (University of Evry Paris-Saclay).

“The Party Line: Information Control and Collective Thinking in Democracy.”

“Signaling vs Money,” with Martin Pollrich (University of Bonn).

“Reputational Concerns in Common Value Elections,” with Matías Núñez (Ecole Polytechnique) and Dimitrios Xeferis (University Cyprus).

“Profit-share Auctions in Procurement,” with Nicolas Fugger (University of Cologne) and Sander Onderstal (University of Amsterdam).

“Existence of Equilibrium in All-Pay Auctions with Price Externalities”.

Publications

[14] “Auctions with Signaling Bidders: Optimal Design and Information Disclosure,” with Martin Pollrich (University of Bonn), *Games and Economic Behavior*, 2025, vol. 151, pp. 95-107.

[13] “Entry in First-price Auctions with Signaling”, with Tom Truyts (University Saint-Louis – Brussels), *International Journal of Game Theory*, 2023, vol. 52, pp. 423-450.

[12] “Signalling in Auctions for Risk-Averse Bidders,” with Francisco Gomez-Martinez (University of Fribourg) and Sander Onderstal (University of Amsterdam), *PLOS One*, 2022, vol. 17(10).

[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.

Non-Academic Publications (in French)

Policy papers

“« Pertes et préjudices » : perspectives et opportunités d’une transition énergétique”, *AOC*, novembre 2023.

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

Column in *Le Nouvel Obs* — Carte blanche *un peu de recul*

Une indemnité individualisée pour lutter contre la hausse des prix à la pompe ?, 16/04/2026.

Immigration : Les données contredisent la fantasmagorie d’un déferlement migratoire, 24/09/2025.

Le budget Bayrou ne répond à aucun des défis majeurs auxquels la France fait face, 22/07/2025.

Liberté académique aux Etats Unis : l’attaque sans précédent laisse l’Europe amorphe, 18/04/2025.

Charges en augmentation, financements en baisse : veut-on la mort des universités françaises ?, 05/02/2025.

COP 29 : “L’illusion annoncée d’une hypothétique solidarité climatique”, 14/11/2024.

Le refus de penser la dette devrait susciter la plus grande inquiétude, with Natacha Raffin, 14/10/2024.

Précarité étudiante : pourquoi ne pas aller vers une allocation d’autonomie ?, 03/09/2024.

Op-ed articles

Loi pour la recherche : pratique malheureuse du “en même temps”, Les Échos, 30/01/2023.

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 (Panthéon-Assas Univ.) et Paul Maarek (Panthéon-Assas Univ.), 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

Invited Talks: Inria Conference: Dialogue between the Humanities and Social Sciences and Computer Science and Mathematics (2026), Paris-London Economic Theory Workshop (2026), Workshop on Microeconomic Theory (Wuhan University, 2026), AI Workshop in Economics, Management, and Finance (2026), Dresden Workshop on Democracy and Reform (2025), Workshop on Auctions and Mechanism Design (Tinbergen Institute, 2024).

Invited Seminars: Wuhan University of Technology (2026), LSE (2026), University of Udine (2025), University of Duisburg (2024), University of Cyprus (2023), University of Lorraine (2022), University of Pau and Pays de l'Adour (2020), CES – University Paris 1 (2019, 2010), ZEW (Mannheim, 2019), ENSAI (2018), Gate – University of Lyon (2018), University of Franche-Comté (2018), University of Orléans (2018), University of Paris-Sud (2017), University of St. Gallen (2017), Saint-Louis University-Brussels (2017), Warsaw School of Economics (2017, 2011), CIRED (2016), University of Caen (2012), Ecole Polytechnique (2011), University of Leuven (2011), Max Planck Institute (Bonn, 2010), Panthéon-Assas University (2010), Paris Nanterre University (2010), Toulouse School of Economics (2010), Catholic University of Lille (2009), IZA (2009), Humboldt University Berlin (2009), Maastricht University (2009), University of Amsterdam (2009), University of Cologne (2009), WZB (Berlin, 2009).

Conferences: 2025 Rebecca B. Morton Conference on Experimental Political Science; Asian Meeting of the Econometric Society 2011; Association of Southern European Economic Theorists 2023, 2024; Central European Program in Economic Theory 2026; 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 Economic Association Meetings 2008, 2010; European Meeting on Game Theory 2023; European Workshop on Economic Theory, 2022, 2023; 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; Oligo Workshop 2023; 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 & Conferences

- Since 2019 Co-organizer of the yearly “European Workshop on Market Design”, <http://marketdesign-workshop.com>.
- 2025 Main organizer (with Stefano Bosi) of the “73rd Congress of the French Economic Association (AFSE)”, <https://afse2025.sciencesconf.org/>.
- 2020 – 2025 Co-organizer of the “Virtual Market Design Seminar Series”, a bi-weekly online international seminar on market design, <http://virtual-md-seminar.com>, <https://bsky.app/profile/vmdseminar.bsky.social> and <https://twitter.com/VMDSeminar>.
– Since October 2020, the seminars are video recorded and available on our Youtube account: <https://www.youtube.com/channel/UCwmz3Z8veQWXY3LTpKMFsA/videos>.
- 2024 Co-organizer of the “CEPS PolEcon Workshop”, <https://ceps-polecon.sciencesconf.org/>.
- 2024 Main organizer (with Grégory Verdugo) of the “2024 ADRES Job Market Conference”, <https://adres2024.sciencesconf.org/>.
- Since 2022 Co-organizer of Economics PhD Meeting, Paris-Saclay University, <https://econphd-paris-saclay.fr/>.
- Since 2022 Co-organizer of the CEPS PhD Workshop, ENS Paris-Saclay & University of Evry-Val d’Essonne.
- 2023 Local co-organizer of the interdisciplinary workshop *Paris Workshop on Games, Decisions, and Language*, <https://game-theory.u-paris2.fr>.
- 2019, 2021 Co-organizer of the SIGNAL workshops, <https://signaling.u-paris2.fr>.
- 2019 Organizer of the session “Signaling in Auctions”, INFORMS Annual Meeting, Seattle.
- 2011 Co-organizer of the Paris-Cologne Workshop “Recent Developments in Market Design”.

PhD Students

- 2022 – 2025 Cyril Rouault, ENS Paris-Saclay; Placement: 3 years postdoctoral research fellow, University of Padova.
- 2022 – Hengrina Ly, University of Rouen-Normandie & ENS Paris-Saclay, co-supervision with Vincent Ihelé; in progress.
- 2025 – Danfang Xing, ENS Paris-Saclay, co-supervision with Xiangyu Qu; in progress.
- 2026 – Yaqian Zhang, University Paris Panthéon-Assas, co-supervision with Victor Hiller; in progress.

PhD Committee (Referee)

- PhD: Manpreet Singh, Paris School of Economics & CIREA, 2025 (Supervisor: Philippe Gagnepain & Laurent Lamy); Diomides Mavroyiannis, Paris-Dauphine University, 2019 (Supervisor: David Ettinger).

Main Professional Services

2022 – 2025	Academic Editor: PLOS One.
2021 – 2022	Head of the ‘Master Economics’ , ENS Paris-Saclay and Paris-Saclay University.
2022 – 2025	Head of the faculty recruiting committee in economics, ENS Paris-Saclay (prof., 2022; tenure track, 2022; MCF, 2022; post-doc, 2023; <i>prof. attaché</i> , 2025).
2022 – 2024	Organizer of the <i>conférences du département SHS</i> , Humanities and Social Sciences Dept., ENS Paris-Saclay.
2018 – 2021	Member of the board, Institut Universitaire de France.
2012 – 2016	Head 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 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.

Refereeing

Journals: *Journal of Economic Theory*, *Theoretical Economics*, *International Economic Review*, *Games and Economic Behavior*, *Journal of Public Economics*, *Management Science*, *Mathematics of Operations Research*, *Journal of Economics & Management Strategy*, *RAND Journal of Economics*, *Journal of Industrial Economics*, *International Journal of Industrial Organization*, *International Journal of Game Theory*,...

Third Party Fundings: *Chilean National Science and Technology Commission (CONICYT - Chile)*, *Conseil de recherches en sciences humaines du Canada (CRSH)*.

Other: *Spring Meeting of Young Economist*.

Research Grants

2020 – 2025	ANR (French National Research Agency) Grant, “Signaling in Auctions and Mechanisms: Theory and Experimental Evidence”, https://anr-signal.u-paris2.fr , €112 300.
2020	DAAD Grant (German Academic Exchange Service), €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”, €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: 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), Graduate School Eco. & Management, Paris-Saclay University (2021, €13 500; 2022, €2 700; 2023, €6 600; 2023, €16 500; 2024, €6 400; 2024, €3 000; 2024, €4 800; 2024, €3 000; 2024, €5 200; 2025, €22 350; 2025, €3 000; 2025, €3 200; 2025, €4 840, €1 200; 2026, €4 000, €2 500, €5000), MSH Paris-Saclay (2023, €3 000; 2024, €5 000), Program OSER Paris-Saclay University (2025, €14 500; 2026, €24 000).

Awards

Since 2024	Scientific excellence research premium (French acronym: RIPEC), ENS Paris-Saclay.
2016 – 2021	Junior Member, Institut Universitaire de France (€75 000 of research funds).
2015 – 2021	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.