Martino Banchio

CONTACT INFORMATION	Via Röntgen 1	Homepage: martinobanchio.github.io
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CURRENT POSITIONS

Assistant Professor of Economics, Università Bocconi, Italy	2024 –
Affiliate, IGIER, Italy	2024 –
Research Scientist, Google Research, Italy.	2024 –

PREVIOUS POSITIONS

Research Scientist, Google Research, USA	2023 – 2024
Market Design, Economist Intern, CaaStle, USA	2022

EDUCATION

Ph.D. Economics, Stanford Graduate School of Business, USA	2018 – 2023
M.A. Economics, Collegio Carlo Alberto, Italy.	2014 – 2018
M.Sc. Mathematics, Università di Torino, Italy.	2016 – 2018
B.Sc. Mathematics, Università di Torino, Italy.	2013 – 2016

WORKING PAPERS

Dynamic Threats to Credible Auctions, with A. Skrzypacz and F. Yang.	February 2025
Rediscovery, with S. Malladi.	January 2025
Ads in Conversations, with A. Mehta and A. Perlroth.	March 2024
Artificial Intelligence and Spontaneous Collusion, with G. Mantegazza. R&R, *American Economic Review*	October 2022
Artificial Intelligence and Auction Design, with A. Skrzypacz.	February 2022
Dynamic Pricing with Limited Commitment, with F. Yang.	February 2021
Targeting in Tournaments with Dynamic Incentives, with E. Munro. ○ First Prize, Research Paper Competition MIT Sloan Sports Analytics Conference 2020	January 2020

PUBLISHED CONFERENCE PROCEEDINGS

Autobidding with Interdependent Values, (with K. Bhawalkar, C. Liaw, A. Mehta, and A. Perlroth). Forthcoming in *Proceedings of the ACM Web Conference 2025* (**WWW'25**)	April 2025
Search and Rediscovery, (with S. Malladi). *Proceedings of the 25th ACM Conference on Economics and Computation* (**EC'24**), page 1194 (extended abstract)	July 2024
Artificial Intelligence and Collusion via Coupling, (with G. Mantegazza). *Proceedings of the 24th ACM Conference on Economics and Computation* (**EC'23**), page 208 (extended abstract)	July 2023
Artificial Intelligence and Auction Design, (with A. Skrzypacz) *Proceedings of the 23rd ACM Conference on Economics and Computation* (**EC'22**), pages 30–31 (extended abstract) ○ Recipient of the *Exemplary AI Track Paper Award*.	July 2022

OTHER PUBLICATIONS

Market Design for AI Algorithms, *with A. Skrzypacz.*
ACM SIGecom Exchanges 20(2), pp. 62-68, 2022

AWARDS AND SCHOLARSHIPS

• *Honorable Mention*, ACM SIGEcom Doctoral Dissertation Award	2024
• *Exemplary AI Track Paper Award* at EC'22	2022
• *Stanford HAI Graduate Fellow*.	2022
• *First Prize, Research Paper Competition* at the MIT Sloan SAC	2020

	• **_Prize "Luigi Bobbio"_** for best Allievi Master Thesis.	2018
	• **_Scholarship "Erasmus Traineeship"_** at Institut de Mathématiques de Toulouse.	2018

INVITED TALKS	Washington University in St. Louis, Penn State (scheduled), KHIPU 2025 (scheduled), Yale (scheduled), Bonn (scheduled), Economics of Competition and Regulation 2025 (scheduled)	2025
	Washington University in St. Louis, University of Chicago, Colby College, Kellogg Theory Brown Bag Lunch Seminar, Northwestern CS Theory Seminar, Cornell	2024
	Econometric Society Winter Meeting, Kellogg MEDS, IESE, Microsoft Research, University of Pennsylvania, Boston University, Bocconi, TSE	2023
	SAET Conference, Harvard University (EconCS seminar), Google Research	2022
	Collegio Carlo Alberto	2020

CONFERENCES	NBER Industrial Organization; Marketplace Innovation Workshop; AI, Algorithms, and Markets Workshop; Consumer Search and Switching Costs Workshop; ESSET; ACM EC'24; SITE Workshop; Transatlantic Theory Workshop; NBER Market Design; 13th EIEF-UNIBO-IGIER Workshop on Industrial Organization	2024
	NBER New Directions in Market Design; MAD Conference; ACM EC '23; NBER Market Design; Berkeley/Columbia/Duke/MIT/Northwestern IO Theory Conference	2023
	International IO Conference; ACM EC '22; SITE Workshop; NBER Economics of AI; 11th EIEF-UNIBO-IGIER Workshop on Industrial Organization	2022
	EEA Congress	2021
	Warwick Economics PhD Conference	2020

PROFESSIONAL SERVICE	_Refereeing_: American Economic Review, Review of Economic Studies, Journal of Political Economy, Econometrica, American Economic Review: Insights, RAND Journal of Economics, Economic Letters, Economic Journal, American Economic Journal: Microeconomics, Games and Economic Behavior, Journal of the European Economic Association, Journal of Dynamic Games, EC'23, EC'24, EC' 25
	Conference Committee: Future of AI and Economics Workshop, PC Member for EC'24 and EC'25, INFORMS Auctions and Market Design Workshop at EC'25

TEACHING	Microeconomics, Advanced Microeconomics for Computer Science	Bocconi, 2024
	Smart Pricing and Market Design, Teaching Assistant	Stanford GSB, 2021, 2022
	Geometry 2	University of Torino, 2016,2017

LANGUAGES AND SKILLS	Italian (native), English (proficient), French (advanced)
	Python, Julia, C++

REFERENCES	**Andrzej Skrzypacz** (Primary advisor)	**Michael Ostrovsky**
	Theodore J. Kreps Professor of Economics	Fred H. Merrill Professor of Economics
	Stanford Graduate School of Business	Stanford Graduate School of Business
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