Martino Banchio

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Contact Information

1600 Amphitheatre Parkway
Mountain View, CA 94043

Homepage: sites.google.com/martinobanchio
E-mail: mbanchio@google.com

Current Position

Research Scientist, Google Research – Mountain View, USA — 2023 –

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

Adaptive Algorithms and Collusion via Coupling, *with G. Mantegazza.* — October 2022
- Extended Abstract in EC'23.

Artificial Intelligence and Auction Design, *with A. Skrzypacz.* — February 2022
- Extended Abstract in EC'22.
  Recipient of the *Exemplary AI Track Paper Award.*

Dynamic Pricing with Limited Commitment, *with F. Yang.* — February 2021

Targeting in Tournaments with Dynamic Incentives, *with E. Munro.* — January 2020
- First Prize, Research Paper Competition
  MIT Sloan Sports Analytics Conference 2020

Other Publications

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

Work and Teaching Experience

- **Market Design, Economist** intern at CaaStle, Inc. — 2022
- **CA for "Smart Pricing and Market Design"** — 2021, 2022
- **Research Assistant for A. Skrzypacz and M. Ostrovsky** — 2020 – 2022
- **Research Assistant for E. Luciano** — 2017, 2018
- **TA for "Geometry 2"**: Topology, homotopy and projective geometry — 2016, 2017
- **TA for "Basic Programming"**: Foundations of C++ — 2015

Awards and Scholarships

- ***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
- ***Scholarship for summer school on Modular Forms*** at University of Padua. — 2017
- ***Scholarship for summer school on Applied Bayesian Statistic*** in Como. — 2017
- ***Scholarship "Fondazione CRT"*** for a three-month study exchange in Surgut, Russia. — 2011

Invited Talks

Econometric Society Winter Meeting, Kellogg MEDS, IESE, Microsoft Research, UPenn, Boston University, Bocconi, TSE — 2023
SAET Conference, Harvard University (EconCS seminar), Google Research — 2022
Collegio Carlo Alberto — 2020

Conferences

NBER New Directions in Market Design, MAD Conference, ACM EC '23, Future of AI and Economics (organizing committee)	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

Languages and Skills

Italian (native), English (proficient), French (advanced)
LaTeX, Julia, Python

References

Andrzej Skrzypacz (Primary advisor)
Theodore J. Kreps Professor of Economics
Stanford Graduate School of Business
655 Knight Way, Stanford, CA, 94305
skrz@stanford.edu

Michael Ostrovsky
Fred H. Merrill Professor of Economics
Stanford Graduate School of Business
655 Knight Way, Stanford, CA, 94305
ostrovsky@stanford.edu

David M. Kreps
The Adams Distinguished Professor of Management, Emeritus
Stanford Graduate School of Business
655 Knight Way, Stanford, CA, 94305
kreps@stanford.edu