

Ceesay Muhammed

muhammadcsay@gmail.com

Rome, Italy

<https://www.muhammedceesay.com/>

Education

PhD in Economics, University of Naples Federico II	2020
Postgraduate Courses in Mathematics, University of Perugia Functional Analysis & Probability and Statistics	2018
Master in Economics and Finance, University of Naples Federico II	2016
BSc in Economics (Summa Cum Laude), University of The Gambia	2014

Research

Publications

- Ceesay, M., Menicucci, D., & Doni, N. (2025). [Asymmetric Auctions with Discretely Distributed Valuations](#). *B.E. Journal of Theoretical Economics (De-Gruyter)*, 25(1): 99-118.
- Ceesay, M. (2026). [Secret versus Public Rings in Common Value Auctions](#). *International Journal of Economic Theory (Wiley)*, 22 (2026): 63–90.
- Ceesay, M. (2024). [Collusion with Not-So-Secret Rings](#). *Journal of Quantitative Economics (Springer)*, 22(2): 563-570.

Working Papers

- Ceesay, M., Menicucci, D., & Doni, N. (2026). [Investments in First-Price and Second-Price Procurement Auctions](#). (Revise & Resubmit - *International Journal of Industrial Organization (Elsevier)*).
- Ceesay, M., Boffa, F., & Iozzi, A. (2025). [Congestion and the Market Structure of Fleets](#). (Revise & Resubmit (Revision Submitted) - *Case Studies on Transport Policy (Elsevier)*).

Previous Positions

Postdoctoral Researcher, University of Florence 2023 – 2025

- Member of research team for the Italian University Ministry funded project [Auctions: Theory and Applications](#), together with Domenico Menicucci & Nicola Doni.
- Our first paper (published in the *B.E. Journal of Theoretical Economics*) derived closed form equilibria for discrete asymmetric first price auctions, deriving new conditions for comparing first and second price auctions in terms of revenue.
- The second paper (R&R at the *International Journal of Industrial Organization*) explores bidder investment incentives in procurement in a discrete setting, overturning some results by Arozamena & Cantillon (2004).

Visiting Researcher, University of Rome Tor Vergata 2025

- Visiting Position, hosted by Professor Alberto Iozzi.

Postdoctoral Researcher, University of Rome Tor Vergata 2022 – 2023

Postdoctoral Researcher, Free University of Bozen-Bolzano 2021 – 2022

- Member of research team together with Federico Boffa & Alberto Iozzi on the Italian University Ministry funded projects;
 - [The Economics of Autonomous Vehicles](#).
 - [Fleets, Autonomous Vehicles and New Technologies in Transport: Market Design and Business Models](#).
- Our work analyzed the market for fleets under different market structures, where consumers are characterized by their aversion to congestion.
- We showed that when private cars cost a lot, it is better for the fleet market to be a monopoly.

Teaching

Teaching Assistant, University of Rome Tor Vergata 2022 – 2024

- Undergraduate course in Industrial Organization administered to students of the Bachelor of Business Administration & Economics program.

Lecturer, University of The Gambia 2020

- Lectured graduate courses in Macroeconomics and Mathematics for Economists to students of the Masters in Economics program.

Languages

- English (Native), Arabic (Reading & Writing), Italian (Conversational), R, Mathematica, Maple, LaTeX.

Selected Conferences & Additional Training

Conferences (Including Coauthor Presentations): Lisbon Meetings on Game Theory (2026, Scheduled); SAET 2023 (Paris); Naples School of Economics PhD & Postdoc Conference (2023); XXIII SIET Scientific Meeting (Rome, 2022); Euregio Meeting on Economics of Automation (Bolzano, 2022); RGS Doctoral Conference (Germany, 2020); WIPE Workshop (Spain, 2020).

Additional Education & Certifications: Procurement & Sourcing (Rutgers University (Online), 2024); Causal Machine Learning (University of Genoa, 2021); Advanced Panel Data, Financial Time Series (Italian Econometric Association, 2019); Regulation of Local Public Services (Turin School of Regulation, 2021).

Honours & Awards

- Full PhD Scholarship, University of Naples Federico II (2016-2020).
- Admission (on merit) SMI Summer School in Mathematics, University of Perugia (2018).
- Outstanding Graduate Award, University of The Gambia Student Union (2016).
- Merit Scholarship (EUR 5,000), University of Naples Federico II (2015).
- Mathematics Competition Winner, University of The Gambia (2013, 2014).
- Government Scholarship, Ministry of Higher Education, The Gambia (2011-2014).
- Contributor to the Problems Section, **New York State Mathematics Teachers Journal** (2015).
[Published Solution.](#)

Referees

Marco Pagnozzi

Professor of Economics,
University of Naples Federico II
pagnozzi@unina.it

Domenico Menicucci

Professor of Economics,
University of Florence
domenico.menicucci@unifi.it

Alberto Iozzi

Professor of Economics,
University of Rome Tor Vergata
alberto.iozzi@uniroma2.it