

Ceesay MUHAMMED

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📍 Rome, Italy 🇬🇲 Gambian, Born - March 1994
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CURRENT POSITION

Since 2026 Teaching Assistant, **University of Rome Tor Vergata**

- Undergraduate course in **Industrial Organization** administered to students of the Bachelor of Business Administration & Economics program.
- Modules include; Theories of Consumers and Firms, Market Structure : Monopolies and Perfectly Competitive Markets, Market Failures and Public Policy, Price Discrimination, Game Theory, Oligopoly.

EDUCATION

2020 **PhD in Economics (Grade - Ottimo)**, University of Naples Federico II
2018 **Postgraduate Courses in Mathematics**, Scuola Matematica Interuniversitaria
2016 **Master in Economics and Finance** , University of Naples Federico II
2014 **BSc in Economics (Grade - Summa Cum Laude)**, University of The Gambia

JOB MARKET PAPER

2026 **Investments in First and Second Price Procurement Auctions** - *Revise & Resubmit, International Journal of Industrial Organization* - with Domenico Menicucci & Nicola Doni
https://ideas.repec.org/p/frz/wpaper/wp2026_01.rdf.html

PUBLICATIONS

2026 **Congestion and the Market Structure of Fleets** - *Case Studies on Transport Policy*, 25 : 101889. (ELSEVIER)
- with Federico Boffa & Alberto Iozzi
<https://doi.org/10.1016/j.cstp.2026.101889>

2025 **Secret versus Public Rings in Common Value Auctions** - *International Journal of Economic Theory*, 22 : 63-90. (WILEY)
<https://doi.org/10.1111/ijet.70008>

2025 **Asymmetric Auctions with Discretely Distributed Valuations** - *B.E. Journal of Theoretical Economics*, 25(1) : 99 – 118. (DE-GRUYTER) - with Domenico Menicucci & Nicola Doni
<https://doi.org/10.1515/bejte-2024-0109>

2024 **Collusion with Not-So-Secret Rings** - *Journal of Quantitative Economics*, 22(2) : 563 – 570. (SPRINGER)
<https://doi.org/10.1007/s40953-024-00387-w>

ACADEMIC POSITIONS

2023 – 2025 Postdoctoral Researcher, **University of Florence**

- Member of research team, together with Domenico Menicucci & Nicola Doni for the Italian University Ministry funded project;
 - **Auctions : Theory and Applications**
- 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 explores bidder investment incentives in procurement in a discrete setting, overturning some results by Arozamena & Cantillon (2004).

2022 – 2023 Senior Research Associate, **CEIS Tor Vergata, University of Rome Tor Vergata**

- Member of research team together with Federico Boffa & Alberto Iozzi on the Italian University Ministry funded project;
 - **Fleets, Autonomous Vehicles and New Technologies in Transport : Market Design and Business Models.**
- Our work analysed 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 might be better for the fleet market to be a monopoly.

2021 – 2022 Postdoctoral Researcher, **Libera Università di Bolzano**

- Member of research team together with Federico Boffa & Alberto Iozzi on the Italian University Ministry funded project;
 - **The Economics of Autonomous Vehicles.**

VISITING POSITIONS

July 2025 Visiting Researcher, **UNIVERSITY OF ROME TOR VERGATA,**

- Hosted by Prof. Alberto Iozzi.

TEACHING EXPERIENCE

September 2022 Teaching Assistant, **UNIVERSITY OF ROME TOR VERGATA,**

- December 2024
- Undergraduate course in **Industrial Organization** administered to students of the Bachelor of Business Administration & Economics program.
 - Modules include; Theories of Consumers and Firms, Market Structure : Monopolies and Perfectly Competitive Markets, Market Failures and Public Policy, Price Discrimination, Game Theory, Oligopoly.

January 2020 Lecturer, **UNIVERSITY OF THE GAMBIA, Kanifing, The Gambia**

- December 2020
- Lectured graduate courses in **Macroeconomics** and **Mathematical Economics** to students of the Masters in Economics program.

SELECTED CONFERENCE INVITATIONS (INCLUDING CO-AUTHOR PRESENTATIONS)

Since 2019 ITEA (Bergamo, 2026), SAET (Paris, 2023), Naples School of Economics PhD & Postdoc Conference (Naples, 2023), XXIII SIET Scientific Meeting (Rome, 2022), Euregio Meeting on Economics of Automation (Bolzano, 2022), RGS Doctoral Conference (Germany, 2020), WIPE Workshop (Spain, 2020).

LANGUAGES

English ● ● ● ● ●
 Italian ● ● ● ○ ○
 Arabic ● ● ○ ○ ○

SOFTWARE

SQL ● ● ● ○ ○
 R ● ● ● ● ○
 Mathematica ● ● ● ● ○

AWARDS AND FELLOWSHIPS

- 2016 **Full Scholarship (PhD)** - University of Naples Federico II
- 2016 **Certificate of Achievement** - University of The Gambia Students Union (As an outstanding graduate of the University of The Gambia)
- 2015 **Merit Scholarship (MSc)** - University of Naples Federico II
- 2015 **Contributor to the Problems Section, New York State Mathematics Teachers Journal**
Published Solution
- 2013, 2014 **Winner, University of The Gambia Mathematics Competition** - University of The Gambia
- 2011 **Gambia Government Scholarship (BSc)** - Ministry of Higher Education Research Science and Technology, The Gambia

CERTIFICATIONS & ADDITIONAL TRAINING

- 2024 **Procurement & Sourcing (Certificate)** - *Rutgers University (Online)*
- 2019 **Advanced Panel Data, Financial Time Series** - *Italian Econometric Association*
- 2021 **Regulation of Local Public Services** - *Turin School of Regulation*
- 2021 **Causal Machine Learning** - *University of Genoa*
- 2022 **Naples Summer School in Economics and Finance** - *Microeconomic Theory, Development Economics*

PROFESSIONAL EXPERIENCE

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| October 2016
December 2016 | Data Analyst (Freelance), CENTER FOR POLICY RESEARCH AND STRATEGIC STUDIES, The Gambia <ul style="list-style-type: none">➤ Built and analyzed primary dataset for the ECOWAS report on The Status of Economic Research Institutions in West Africa for The Gambia.➤ The results were to be used in the implementation of a proposed Regional Economic Research Program (RERP). |
| November 2016 | Statistics Trainer, GAMBIA BUREAU OF STATISTICS & UNIVERSITY OF THE GAMBIA, <ul style="list-style-type: none">➤ Month-long intensive program in Basic Statistics for staff of the bureau of statistics, funded by the World Bank.➤ Conducted sessions on hypothesis testing; testing for differences in means, proportions and variances. |

REFERENCES

Prof. Marco Pagnozzi

Professor of Economics, UNIVERSITY OF NAPLES FEDERICO II

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 <https://sites.google.com/view/pagnozzi>

Prof. Alberto Iozzi

Professor of Economics, UNIVERSITY OF ROME TOR VERGATA

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 <https://sites.google.com/view/albertoiozzi/home>

Prof. Domenico Menicucci

Professor of Economics, UNIVERSITY OF FLORENCE

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 <https://sites.google.com/unifi.it/dmenicucci/home-page>