

ANTONIO FRANCESCO GRAVINA

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WORK EXPERIENCE

Tenure-Track Assistant Professor of Public Economics

Department of Economics, University of Messina

Dec. 2024 – Present

Messina, Italy

Junior Assistant Professor of Economics

Department of Law, University of Palermo

Dec. 2021 – Dec. 2024

Palermo, Italy

- Research Project: *“ROBOCOP - Robotic and Bottlenecks in Changing Occupations”*

Consultant

Asian Development Bank

Apr. 2026 – Present

Manila, Philippines

- Research Project: *“Industry, Services, and the Future of Development in Asia”*

Consultant

Asian Development Bank

May. 2024 – Sep. 2025

Manila, Philippines

- Research Project: *“Industry, Services, and the Future of Development in Asia”*

Consultant

Asian Development Bank

Jun. 2023 – Jun. 2024

Manila, Philippines

- Research Project: *“Enhancing Models for Macroeconomic Assessment and Long-Term Growth Projection”*

Post-Doctoral Research Fellow

Department of Law, University of Palermo

Mar. 2021 – Dec. 2021

Palermo, Italy

- Research Project: *“Robotization of production processes and impact on labor market in terms of automation risk, skill and wages”*

EDUCATION AND TRAINING

Ph.D. | *Economics, Management and Statistics*

University of Messina

Oct. 2017 – Dec. 2020

Messina, Italy

Visiting Ph.D. Student

United Nations University

Nov. 2019 – Mar. 2020

Maastricht Economic and Social Research Institute
on Innovation and Technology (UNU-MERIT)

Maastricht, Netherlands

Master of Science | *Economic and Financial Sciences*

University of Messina

Mar. 2015 – Dec. 2016

Messina, Italy

Bachelor of Arts | *Economic Sciences*

University of Messina

Sep. 2011 – Mar. 2015

Messina, Italy

High-school Diploma | *ICT Technical Manager*

Istituto Tecnico Industriale “Verona-Trento”

Sep. 1996 – Jul. 2001

Messina, Italy

QUALIFICATIONS AND PROFESSIONAL RECOGNITIONS

National Scientific Qualification as Associate Professor in Economics and Public Economics

Italian Ministry of Universities and Research (MIUR)

Nov. 2025

Italy

PUBLICATIONS IN REFEREED JOURNALS

- Wealth and the origins of the education take-off** 2026
Journal of Economic Growth, vol. 31, pp.77–124 – <https://doi.org/10.1007/s10887-025-09257-3>
with M. Battisti, G. Maggio, A. M. Lavezzi, G. Tortorici
- ‘What’s your shape?’ A data-driven approach to estimating the Environmental Kuznets Curve** 2025
Energy Economics vol. 148:108649 – <https://doi.org/10.1016/j.eneco.2025.108649>
with M. Lanzafame
- Robotic capital-skill complementarity** 2025
Macroeconomic Dynamics, 29:e54 – <https://doi.org/10.1017/S1365100524000567>
with M. Battisti, M. Del Gatto, C. F. Parmeter
- Demography, growth, and robots in advanced and emerging economies** 2024
Asian Development Review, Vol. 41, n. 2 – <https://doi.org/10.1142/S0116110524400122>
with M. Lanzafame
- Unraveling wage inequality: Tangible and intangible assets, globalization and labor market regulations** 2024
Empirical Economics, 67, 1375–1420 – <https://doi.org/10.1007/s00181-024-02587-y>
with N. Foster-McGregor
- School-age Vaccination, school openings and Covid-19 diffusion** 2023
Health Economics, 32(5), 1084–1100 – <https://doi.org/10.1002/hec.4657>
with E. Amodio, M. Battisti, A. M. Lavezzi, G. Maggio
- Are robots in rich countries a threat for employment in emerging economies?** 2022
Economics Letters, 221: 110888 – <https://doi.org/10.1016/j.econlet.2022.110888>
with M.R. Pappalardo
- Patterns of inequality and robotization: A panel data analysis** 2022
Economia Italiana, 2021/3 – <https://tinyurl.com/r8bxtfkc>
with G. Vallanti
- Do robots complement or substitute for older workers?** 2021
Economics Letters, 208(6): 110064 – <https://doi.org/10.1016/j.econlet.2021.110064>
with M. Battisti
- Finance, globalisation, technology and inequality: Do nonlinearities matter?** 2021
Economic Modelling, 96, pp. 96–110 – <https://doi.org/10.1016/j.econmod.2020.12.026>
with M. Lanzafame

WORKING PAPERS AND CURRENT RESEARCH

- When manufacturing matters most: Structural transformation and productivity growth trajectories in developing and emerging economies** 2026
ADB Economic Working Papers Series n. 840
<http://dx.doi.org/10.22617/WPS260125-2>
with M. Battisti, M. Lanzafame
- Asia’s Structural Transformation: Patterns, Challenges, and New Stylized Facts** 2026
ADB Economic Working Papers Series n. 842
<https://dx.doi.org/10.22617/WPS260133-2>
with M. Battisti, M. Lanzafame
- Automation and Young Workers’ Job Trajectories: The Italian Case** 2024
INAPP Working Paper Series, n. 124
<https://oa.inapp.gov.it/handle/20.500.12916/4361>
with M. Battisti, I. Brunetti, P. Li Donni
In progress

CONFERENCES AND PRESENTATIONS

9th International ASTRIL Conference Roma Tre University	22 – 23 Jan. 2026 Rome, Italy
Industry, Services, and the Future of Development in Asia – Research Workshop Asian Development Bank	18 – 19 Nov. 2025 Online
66th Annual Conference (RSA) of the Italian Economic Association (SIE) University of Naples Parthenope	23 – 25 Oct. 2025 Naples, Italy
Lions International Palazzo d’Orleans	11 Gen 2025 Palermo, Italy
XXI CiMET Workshop Kore University	18 – 20 Sep 2024 Enna, Italy
ERDI Seminar Series Asian Development Bank	11 Jan 2024 Online
ESM Lunch Seminars 2023 Department of Economics, Univeristy of Messina	31 Oct 2023 Messina, Italy
Brown Bag Seminars 2023 Department of Economics, Univeristy of Palermo	31 May 2023 Palermo, Italy
Economic Seminar Series 2023 Department of Economics, Univeristy of Bergamo	03 May 2023 Bergamo, Italy
Program Evaluation Methods in Econometrics 2022 Italian Econometric Association	20 Jul. 2022 Bertinoro, Italy (Online)
Brown Bag Seminars 2022 Department of Economics & Department of Law University of Palermo	04 May 2022 Palermo, Italy
LABOR 2nd Biannual Workshop Laboratorio Riccardo Revelli & Collegio Carlo Alberto	24 – 25 Feb. 2022 Torino, Italy
62th Annual Conference (RSA) of the Italian Economic Association (SIE) Italian Economic Association Structures	26 – 29 Oct. 2021 Online
Awarding of the Andrea Vaona Prize for Doctoral Thesis Department of Economic Sciences, University of Verona	1 Oct. 2021 Verona, Italy
3rd Warsaw Money-Macro-Finance Conference (RCEA) Faculty of Economic Sciences, University of Warsaw	3 – 4 Jun. 2021 Online
World Congress of the International Economic Association (IEA) <i>Cancelled due to the COVID-19 pandemic</i>	3 – 7 Jul. 2020 Bali, Indonesia
16th International Conference of the WEAI <i>Cancelled due to the COVID-19 pandemic</i>	19 – 22 Mar. 2020 Shanghai, China
60th Annual Conference (RSA) of the Italian Economic Association (SIE) University of Palermo	24 – 26 Oct. 2019 Palermo, Italy
7th SIde WEEE for PhD students Italian Econometric Association (SIde)	29 – 30 Aug. 2019 Bertinoro, Italy
EDEEM Doctoral Summer Workshop in Economics Ca’ Foscari University	13 – 14 Jun. 2019 Venice, Italy

HONORS AND AWARDS

Best Doctoral Dissertation in Economics July 2021
"Andrea Vaona" Award,
Department of Economics and Management of University of Trento and
Department of Economic Sciences of the University of Verona Verona, Italy

REVIEWER EXPERIENCE

Ad Hoc Peer Reviewer for Manuscripts Submitted to:
Economic Modelling, Economic Change and Restructuring, Journal of Economic Growth,
Canadian Journal of Economics, Applied Economics, Energy Economics,
Journal of Productivity Analysis

TEACHING EXPERIENCE

Lecturer (University of Messina, Department of Law) Feb. 2028 – Present
Public Economics, *Undergraduate level* Messina, Italy

Lecturer (University of Messina, Department of Economics) Jun. 2025
Statistical and Econometric Models for Panel Data, *Ph.D. Level* Messina, Italy

Lecturer (University of Messina, Department of Economics) Feb. 2025 – Present
International Public Policies, *Graduate level* Messina, Italy

Lecturer (University of Messina, Department of Economics) Feb. 2025 – Present
Econometrics, *Undergraduate level* Messina, Italy

Lecturer (University of Palermo, Department of Law) Oct. 2022 – Nov. 2023
Regional Economics and Regional Pacts, *Undergraduate level* Trapani, Italy

Lecturer (University of Palermo, Department of Law) Oct. 2022 – Dec. 2024
Political Economy, *Undergraduate level* Trapani, Italy

Teaching Assistant in Political Economy Mar. 2021 – Sep. 2022
Degree Course in Business Legal Consultant,
Department of Law, University of Palermo Palermo, Italy

Lecturer (University of Palermo, Department of Economics) May 2022 – Jun. 2022
Technology, Economic Growth and Inequality, *Ph.D. Level* Palermo, Italy

Lecturer (University of Messina, Department of Economics) May 2022
Statistical and Econometric Models for Panel Data, *Ph.D. Level* Messina, Italy

Lecturer (Sapienza University of Rome, Department of Law and Economics) Apr. 2022
Topics in Economic Growth, *Ph.D. Level* Roma, Italy

Lecturer (University of Palermo, Department of Law) Mar. – May 2022
Nations and Growth: The Role Played by Public Law and Political Economy,
Undergraduate Level Palermo, Italy

Subject Lecturer in Economics Jan. 2020 – Mar. 2021
Degree Course in Business Legal Consultant,
Department of Law, University of Palermo Palermo, Italy

- Political Economy
- Regional Economics

Teaching Assistant in Economics Mar. – Jun. 2017
MSc in Banking and Finance, University of Messina Messina, Italy

Learning Support Teacher in Economics May – Oct. 2019
Department of Economics, University of Messina *Undergraduate Level* Messina, Italy

Learning Support Teacher in Economics Jul. – Oct. 2018
Department of Economics, University of Messina, *Undergraduate Level* Messina, Italy

Online Tutoring in EconomicsDepartment of Economics, University of Messina, *Undergraduate Level*

Aug. – Oct. 2016

Messina, Italy

PROFESSIONAL COURSES ATTENDED

Italian Econometric Association (SIDE)

Program Evaluation Methods in Econometrics 2022

18 – 23 Jul. 2022

Bertinoro, Italy (Online)

University of Palermo

Applied Nonparametrics Econometrics

Prof. Christopher F. Parmeter, University of Miami

31 Jan. – 02 Feb. 2022

Palermo, Italy

Rossi-Doria Center - Roma Tre University

International School for Advanced Training:

Public Policy Impact Assessment.

Concepts, Methods and Applications

13 – 17 Sep. 2021

Online

Italian Econometric Association (SIDE)An Introduction to Machine Learning and Text Mining for Economists
using Stata, Python and R

26 – 30 Jul. 2021

Online

Panel Data Workshop - Prof. Y. Shin (University of Bari)Modelling the spatial heterogeneity, the network dependence
and nonlinearity in the multi-dimensional dataset

Sep. 2018

Bari, Italy

Workshop in Advanced Econometric Course for Time Series and Panel data

EconoMetrics - Virtual Platform to Disseminate the Knowledge of Econometrics

April – May 2018

Online

SKILLS

Languages: Italian (Native), English (B2)**Applications:** STATA, Excel, R (basic), MATLAB (basic)**Document Creation:** Microsoft Office Suite, LaTeX