

# Emilio Calvano

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**Personal information:** Italian, married, 2 children.

## Employment (current and previous)

- **Full Professor** (professore ordinario – 13/A2 Politica Economica), Università LUISS Guido Carli, Roma. Department of Economics and Finance. Since 2023.
- Full Professor, Università di Roma - Tor Vergata, Dep. of Econ. and Finance, 2021-2023
- Associate Professor, Università di Bologna, Department of Economics, 2019-2021.
- Assistant Professor (RTDb), Università di Bologna, Dept. of Economics, 2016-2019.
- Post-doc (assegnista), Università di Napoli Federico II, CSEF, 2013 – 2016.
- Research Fellow and lecturer (docente a contratto e assegnista di ricerca), Università Bocconi, Dipartimento di Economia. 2009 – 2013.
- Post-Doctoral Research Fellow, Harvard University, Economics dept. US. 2008 - 2009

## Current professional affiliations & other appointments

- Research Fellow, **Einaudi Institute for Economics and Finance**, Rome. 2021 - Ongoing
- Associate Faculty member, **Toulouse School of Economics**, France. 2018 - Ongoing

## Notable editorial activity / Service

- Associate Editor, Journal of Industrial Economics (Classe A ANVUR per area 13, ISBN 0022-1821)
- European Research Council – Panel Member - Advanced grants 2024.
- Guest editor, Economic Policy (CLASSE A ANVUR per area 13)

## Academic qualifications

- **Ph.D. in Economics**, Université Toulouse 1 Capitole, November 2008. Supervisor: Prof. Bruno Jullien. Dissertation title: “Essays in Applied Economic Theory.”  
Dissertation Committee: Jean Tirole, Jacques Cremer, Jorgen Weibull, Fausto Panunzi.  
Grade: Très honorable avec félicitations du jury.

## Ongoing Research Projects

- **European Research Council - Advanced grant** – Principal investigator. Artificial Intelligence and Competition. Budget 1.9M euros. Starting date: 11/2023 – 5 years.
- **PRIN 2022** – Algorithms and economic choices – head of the local unit. LUISS.

## Policy advisory, consultancy for public bodies, Invited expert participation

- **Plenary Panel** – Association for Competition Economics 2025 annual conference - “Competition enforcement and AI – What have we learned from the cases so far?”
- **Expert work / Commissioned Research** - (through Analysis Group, CA) for Competition Bureau Canada case on Algorithmic pricing (2025).
- **Expert work / Commissioned Research** - (through LEAR, Italy) Ex-post Assessment of Merger Control Decisions in Digital Markets, commissioned by the UK CMA (2019).
- **Plenary Panel** – CRESSE 2025 conference - “Mergers VS Partnerships and AI: the future ahead”
- **Expert panelist** - BCCP Conference and Policy Forum 2024: “AI: Prospects, Challenges, and Regulation”, Berlin (14 June 2024) — organised by Berlin Center for Consumer & Competition Policy (BCCP) at the WZB Berlin Social Science Center.
- **Expert Panelist**, OECD Competition Committee Roundtable “Algorithmic Competition”, Paris (14–16 June 2023).

## Scientific Publications

Self-Play Learners Can Provably Collude in the Iterated Prisoner’s Dilemma  
with Q. Bertrand, J. Duque, E. Calvano and G. Gidel.

**ICML Conference Proceedings, 2025.**

AI and policy: what makes AI different?  
with G Calzolari

**Economic Policy, 2025 (ANVUR: Fascia A per area 13)**

Algorithmic collusion, genuine and spurious  
with G. Calzolari, V. Denicolò and S. Pastorello.

**International Journal of Industrial Organization, 2023**

<https://doi.org/10.1016/j.ijindorg.2023.102973>

ANVUR: Fascia A per area 13

What drives segregation? Evidence from social interactions among students  
with G. Immordino, A. Scognamiglio

**Economics of Education review, October 2022**

ANVUR: Fascia A per area 13

<https://doi.org/10.1016/j.econedurev.2022.102290>

Algorithmic collusion with imperfect monitoring  
with G. Calzolari, V. Denicolò and S. Pastorello.

**International Journal of Industrial Organization, December 2021**

ANVUR: Fascia A per area 13 (lista 9.11.2020),

Web of Science: IF 2019 = 1.113; Rank Q3 in ECONOMICS.

<https://doi.org/10.1016/j.ijindorg.2021.102712>

Autonomous algorithmic collusion: Economic research and policy implications

with S Assad, G Calzolari, R Clark, V Denicolò, D Ershov, J Jonshon, S Pastorello, A Rhodes, L Xu, M Wildenbeest

**Oxford Review of Economic Policy**, March 2021

<https://doi.org/10.1093/oxrep/grab011>

ANVUR: Fascia A per area 13 (lista 9.11.2020),

Web of Science: IF 2019 = 3.438; Rank Q1 in ECONOMICS.

<https://doi.org/10.1093/oxrep/grab011>

Protecting Consumers from High prices due to AI

with J. Harrington, G. Calzolari, V. Denicolò, S. Pastorello.

**Science**, November 27th, 2020.

[Featured on the cover page of Science – link here](#)

ANVUR: Fascia A per area 13 (lista 9.11.2020)

WOS: IF 2019 = 41.846; WOS Multidisciplinary Sciences Q1

<https://doi.org/10.1126/science.abe3796>

Artificial Intelligence, Algorithmic Pricing and Collusion;

with G. Calzolari, V. Denicolò and S. Pastorello.

**American Economic Review**, Vol. 110, No. 10, October 2020, (pp. 3267-97).

Media Coverage (links included): [\[Financial Times\]](#) [\[Wall Street Journal\]](#) [\[US National Public Radio\]](#) [\[Popular mechanics\]](#) [\[Le Monde\]](#) [\[MIT tech review\]](#) [\[VOXEU column\]](#) [\[Oxford Business law blog\]](#) [\[MachineByte UK\]](#) [\[Canadian Public Radio\]](#) [\[DAS Profil - Austria\]](#) [\[Scientific American - Italia\]](#)

ANVUR: Fascia A per area 13 (lista 9.11.2020),

Web of Science: IF 2019 = 5.558; Rank Q1 in ECONOMICS;

<https://doi.org/10.1257/aer.20190623>

Merger Policy in Digital Markets: An Ex-Post Assessment;

with E Argentesi, T Duso, P Buccirossi, E Marrazzo, S Nava.

**Journal of Competition Law & Economics**, July 2020

Web of Science: IF 2019 = 0.565; Rank Q4 in ECONOMICS;

<https://doi.org/10.1093/joclec/nhaa020>

Algorithmic Collusion: A Real Problem for Competition Policy?

Calvano E, Giacomo Calzolari, Vincenzo Denicolò, Sergio Pastorello (2020).

**Competition Policy International**, ISSN: 1554-0189

Market Power, Competition and Innovation in digital markets: A survey.

with M Polo,

**Information Economics and Policy**, March 2021

ANVUR: Fascia A per area 13 (lista 9.11.2020),

WOS: IF 2019 = 1.654; Rank Q2 Economics

<https://doi.org/10.1016/j.infoecopol.2020.100853>

Strategic differentiation by Business models: Free-to-Air and Pay-TV.  
with M Polo.

**Economic Journal**, Volume 130, Issue 625, Pages 50–64. January 2020.

ANVUR: Fascia A per area 13 (lista 9.11.2020)  
WOS IF 2019: 2.764; Rank Q1 in Economics  
<https://doi.org/10.1093/ej/uez037>

Incumbency advantage and its value;  
with J Cremér and G Biglaiser,

**Journal of Economics & Management Strategy**, 2019, Volume 28 (1): 41–48.

ANVUR: Fascia A per area 13 (lista 9.11.2020),  
WOS: IF 2019 = 1.432; Rank Q2 Economics  
<https://doi.org/10.1111/jems.12307>

Algorithmic Pricing: what implications for competition policy;  
with Calzolari, Denicolò, Pastorello, 2019.

**Review of Industrial Organization**, Volume 55, Issue 1, 2019.

Web of Science: IF 2019 = 0.505; Rank Q4 in ECONOMICS  
<https://doi.org/10.1007/s11151-019-09689-3>

The Impact of Consumer Multi-Homing on Advertising Markets and Media Competition,  
with Susan Athey and Joshua Gans,

**Management Science**, 64(4), pp. 1574–1590, April 2018

Media Coverage (link included): [Washington Post](#)  
ANVUR: Fascia A per area 13 (lista 9.11.2020)  
WOS: IF 2019: 3.931; Rank q1 in Management  
<https://doi.org/10.1287/mnsc.2016.2675>

Either or both competition: a "two-sided" theory of advertising with overlapping viewership.  
with A. Ambrus and M. Reisinger,

**American Economic Journal: Microeconomics**. Vol. 8 (3), August 2016.

ANVUR: Fascia A per area 13 (lista 9.11.2020),  
Web of Science: IF 2019 = 1.325; Rank Q3 in ECONOMICS;  
<https://doi.org/10.1257/mic.20150019>

Pricing Payment Cards,  
with Özlem Bedre-Defolie;

**American Economic Journal: Microeconomics** 5 (3): 206–31. August 2013.

ANVUR: Fascia A per area 13 (lista 9.11.2020),  
Web of Science: IF 2019 = 1.325; Rank Q3 in ECONOMICS.  
<https://doi.org/10.1257/mic.5.3.206>

Issues in online advertising and competition policy: a two-sided market perspective.  
with Bruno Jullien,

2012, Chapter 7, **Recent advances in the analysis of competition policy and regulation**: 179-197.  
Elgar publishing. <https://doi.org/10.4337/9781781005699.00016>

## Other publications, white papers and work in progress

Biased Recommendations and endogenous product choice  
Calvano E, Giacomo Calzolari, Vincenzo Denicolò, Sergio Pastorello  
January 2021, *In preparation*

Can we trust the algorithms that recommend products online? A theory of biased advice with no pecuniary incentives and lab evidence.  
with Bruno Jullien (Toulouse U),  
January 2021, *In preparation*.

Learning about your peers' ability and the dynamics of social interactions  
With G Immordino and A Scognamiglio  
January 2020, *In preparation*

Ex-post Assessment of merger control decisions in digital markets  
with E Argentesi, T Duso, P Buccirossi, E Marrazzo, S Nava.  
review commissioned by the UK Competition Markets Authority  
<https://www.gov.uk/government/publications/assessment-of-merger-control-decisions-in-digital-markets>

A Theory of Community Formation and Social Hierarchy  
with Susan Athey (Stanford GSB) and Saumitra Jha (Stanford GSB), summer 2019.  
*Stanford University Graduate School of Business Research Paper No. 16-41*

## Management or participation to research groups

- A. Organization, management or coordination of national/international research centers, groups or projects.
  - **Head of the Digital Economics Research Network (DERN).** This is an international research network based at UCLouvain in Belgium. Budget scientific activities 2020-2022: 600.000EUR. From 01-01-2019 – ongoing. <https://dern-research.org/>
  - **Coordinator of the local unit, National PRIN project 2017.** Budget of the unit 256.925 EURO. Starting 6.2.2020 – ending 6.2.2022
  - **Organizer of the CEPR Industrial Organization webinar series (VIOS).** Centre for Economic Policy research (CEPR), London. Appointed: 1.8.2020 – Ongoing
- B. Participation in national/international research centers, groups or projects.
  - Associate Faculty member, **Toulouse School of Economics**, France 2018 – ongoing
  - Member, **CEPR Research policy network on ARTIFICIAL INTELLIGENCE** – ongoing
  - Member, **CEPR Research policy network on Competition Policy** - ongoing
  - Research Fellow, **Center for Economic Policy Research (CEPR)** – London UK, 13.12-2019 – ongoing
  - Research Fellow, **Centro Studi per l'Economia e la Finanza**. U. Napoli Federico II. 1.9.2013 - ongoing
  - Fellow, **Centro Studi Luca D'agliano**. Università di Milano. 10.8.2019 – ongoing

- Fellow, **Innocenzo Gasperini Institute for Economic Research (IGIER)** – Università Bocconi, Milano. 1.9.2009 – 31.8.2013.
- Participation in the research project "recommender systems: biased advice and its nature" within the **ERC Advanced Grant** "Information services: competition and externalities" (acronym: ISECO). Principal investigator Bruno Jullien (Toulouse School of Economics).

## Undergraduate and graduate training

- **Diplôme européen d'économie quantitative approfondie.** Université Toulouse 1 Capitole. July 2005. With distinction
- **Master 2 - Economie mathématique et econometrie.** Université Toulouse 1 Capitole. July 2004. With distinction.
- **Laurea in Economia Politica** (vecchio ordinamento) Università Bocconi, April 2003. *Summa Cum Laude*, Supervisor(s): Fausto Panunzi.

## Visiting Positions, Research Fellowships and other appointments

- Associate Faculty member, **Toulouse School of Economics**, France 2018 – ongoing
- Instructor, **Barcelona Graduate School**, Summer Institute 2021, 2022, 2023, 2024
- Visiting Scientist – Simons Institute, **UC Berkeley**, US. Jan 2022 - May 2022
- Visiting Scholar, HAAS school of business, **UC Berkeley**, US – sep. 2021 – June 2022
- Visiting Faculty (Enseignant invité), **Université Paris II Pantheon Assaz**, a.a. 2018-2019 and 2017-2018
- Research Fellow, **Harvard University**, Economics department. MA-US September 2008-August 2009
- **Visiting Research Fellow** Microsoft Research New England, Summer 2008
- **Visiting fellow, Harvard University**, department of Economics, September 2007, August 2008. Working as a Research assistant for Susan Athey.

## Refereeing

Nature communications, Econometrica, American Economic Review, Journal of Political Economy, Review of Economic Studies, Quarterly Journal of Economics, Management Science, American Economic Review: insights, AEJ: micro, AEJ: policy, Journal of Economic Theory, Rand Journal of Economics, Journal of Monetary Economics, Economic Journal, Journal of Industrial Economics, International Journal of Industrial Organization, Journal of Mathematical Economics, Review of Network Economics, B.E. Journal of Economic Analysis and Policy, Journal of Economic Behavior & Organizations, National Science Foundation, Annals of Finance, Information Economics and Policy.

## Prizes, awards and other grants

- **Researcher of the Year 2024** – Università LUISS guido Carli **LUISS University**.
- **PRIN 2017 Grant.** (Linea B. Prot. 2017TMFPSH, responsabile unità locale) Budget 256.925 EURO. Starting 6.2.2020 – ending 6.2.2022
- **Unicredit Giovanna Crivelli Fellowship 2009.** (prize of 240.000 EUR dispensed as 60.000 Euros salary per year over 4 years to conduct research in an institution of one's choice within the group perimeter). 1/9/2009

- **EIF Research Grant.** 10.000 EUR to develop the project: “does ability as perceived by others affect productivity.” Starting: 1.7.2017.
- **MIUR Research Grant** FINANZIAMENTO DELLE ATTIVITÀ BASE DI RICERCA, DI CUI ALL’ART. 1, COMMI 295 E SEGUENTI, DELLA LEGGE 11 DICEMBRE 2016 N.232dal 12-12-2017 al 12-12-2017. 3000 EUR.

## **Keynotes, plenary addresses, panels and public lectures**

- **Keynote** - 24<sup>th</sup> ZEW Conference on the Economics of Information and Communication Technologies Mannheim – Germany – Summer 2026
- Plenary panel - Cornerstone Research Competition Expert Forum, London Dec. 2025.
- Plenary Panel on AI and competition – Association for Competition Economics annual conference – Rome, Nov 2025
- **Keynote** - Computational and Experimental Economics – Barcelona School of Economics Summer Forum – June 5th and 6th 2025
- **Keynote:** - 11th European Competition Network Workshop about Digital Investigation and Artificial Intelligence - AGCM - Roma
- Plenary Panel – CRESSE 2025 conference - “Mergers VS Partnerships and AI: the future ahead”
- Plenary panel – Italian Antitrust Association annual conference – 12,13 June 2025
- Tutorial on the Economics of Recommender Systems at the 18th ACM Conference on Recommender Systems, Bari, Fall 2024.
- Festival Economia Torino, public lecture on AI and the economy - 6/2024
- Plenary panel on "Frontiers of Research on Digital Markets" – Vienna EARIE 26/08/2022
- BCCP Policy Forum 2024 AI: Prospects, Challenges, and Regulation. Berlin. June 2024.
- LUISS research day on Antitrust and digital markets – 6/2024
- Symposium of the Center for European Policy Research – Keynote and Panel on AI Paris December 2023.
- Roundtable on Algorithmic Competition - OECD – Paris, June 2023
- Meeting of the Competition Committee on 14-16 June 2023.
- Autorité de la concurrence and the Bundeskartellamt (EN) panel on Algorithms and competition, Ecole nationale d'administration, Paris 11/2019

## **Seminar presentations**

1. University of Pennsylvania – Econ – IO seminar – Philadelphia US, April 30<sup>th</sup> 2025
2. University of Padua, Econ department – Padova, 4/2025
3. Banca D’Italia – Seminar – 04/2025
4. Italian Antitrust Authority – Lecture - Algorithms, AIs and their competitive effects 3/2025
5. European Commission, DG-Comp, Chief Economist Team – 12/2024
6. Max Planck Institute for Human Development – Berlin, 5/2024
7. Pompeu Fabra, Microeconomics Seminar Barcelona 5/2024
8. Humboldt-University at Berlin, Economics Department. May 8<sup>th</sup> 2023
9. Harvard University, Economics Department. Cambridge, MA. US April 17. 2023
10. Financial Conduct Authority – London, United Kingdom April 27, 2023
11. Competition and Markets Authority – London United Kingdom, April 28 2023

12. Banca D'Italia, Dip. Tutela ed educazione finanziaria. Roma. Nov 15, 2022
13. University of East Anglia, Economics Department / CCP October 2022
14. University of Virginia, Econ Dept. April 2022.
15. Columbia University, Econ Dept. New York City. March 2022.
16. Deepmind (Google), London, UK. March 2022
17. U of Zurich – Econ Department, November 2021
18. DICE, Dusseldorf. October 2021
19. Berkeley U, Economics CDAR Seminar, October 2021
20. IMT Lucca, seminar, Lucca, may 2021
21. European Central Bank, online research seminar, Frankfurt, 19.5.2021
22. American Enterprise Institute, online, Washington DC, 11.12.2020
23. Yale University, online research seminar, Economics Department – 13.11.2020
24. Collegio Carlo Alberto, seminar, 6.10.2020
25. Stanford University IO<sup>2</sup> webinar –2.6.2020
26. University of Technology Sydney – Economics dept. – 19/2/2020
27. Aalto University, Department of Economics, Helsinki. 22/11/2019
28. Tel Aviv University, Collier School of Management. Israel. 13/11/19
29. U Cergy Pontoise, THEMA research center, Paris. 3/10/19
30. CEMFI, Madrid. 2/10/2019
31. U Bolzano, Dipartimento Economia. 21/2/2019
32. U Paris II, CRED. Paris. – 12/6/2018
33. Tor Vergata, Dipartimento di Economia, CEIS seminar. 10/11/2017
34. U Firenze, Dip. Economia. 28/1/2017
35. Max Planck Institute, Bonn, Germany. 26/4/2017
36. University of Copenhagen, Department of Economics. 21/11/2016
37. Norwegian School of Economics, Bergen, Norway. 13/6/2016
38. CSEF U. Federico II - Napoli; 1.2013
39. Brown University, Department of Economics - United States; (job talk 2009).
40. HEC Montreal, Department of Economics, Canada. (job talk 2009).
41. University College London – Department of Economics, UK. (job talk 2009).
42. INSEAD – Department of Economics, France. (job talk 2009).
43. CEMFI Madrid – Department of Economics, Spain. (job talk 2009).
44. U Autonoma – Department of Economics, Spain. (job talk 2009).
45. U Maastricht – Department of Economics, Netherlands. (job talk 2009).
46. U Pompeu Fabra Barcelona, Department of Economics – Spain. (job talk 2009).
47. London University Royal Holloway – United Kingdom. (job talk 2009).
48. Einaudi Institute for Economics and finance – Rome. (job talk 2009).
49. LUISS – Department of Economics, Roma. (job talk 2009).
50. Bocconi U – Department of Economics, Milano. (job talk 2009).
51. Bank of Italy – Rome. (job talk 2009).
52. Collegio Carlo Alberto - Torino. (job talk 2009).

## **Contributions to Workshop & Conferences**

1. Conference to celebrate Bruno Jullien– Toulouse School Of Economics, France – Dec 2025



2. City/CMA workshop on the Economics of Competition and Regulation – London 6/2025
3. Challenges of AI for the EU Workshop – LUISS University Roma 6/2025
4. Econometric Society annual European meeting. Invited session. Rotterdam 8/2024
5. Joint Research Center, EU Commission, Joint Research center – EU commission Digital Economics Workshop, Sevilla 1/24
6. NBER conference on Economics of Artificial Intelligence. Toronto. 27/9/2023
7. Harvard Business School workshop on “the future of AI”- Cambridge, US. 7/2023
8. ECOP workshop on platforms – Capri May 19 2023
9. 5TH UNIBG INDUSTRIAL ORGANIZATION WINTER SYMPOSIUM. Dec 15, 2022
10. Digital Economics Research Network annual conference, Brussels. Dec 9, 2022.
11. Mann Institute , Oxford University "Learning in Games and Algorithmic Collusion," 11/23
12. NBER conference on Economics of Artificial Intelligence. Toronto. 27/9/2022
13. Plenary panel on "Frontiers of Research on Digital Markets" – Vienna EARIE 26/08/2022
14. Io Fest – Stanford School of Business, Stanford CA. 13/11/2021
15. NBER conference on Economics of Artificial Intelligence. Online. Sept. 2021
16. NBER online conference on Economics of Artificial Intelligence. Online. Sept. 2020
17. Yale Tobin Center Workshop on digital Markets. Yale University. CT, US. 20/1/2020
18. American Economic Association. Annual Meeting 2020. San Diego, CA, US. 3/1/2020
19. Digital Economics Research Network annual workshop. Brussels. 17/12/2019
20. Conference on Algorithms, National School of Administration (ENA), Paris. 6/11/2019
21. NBER summer institute on IT and Digitization, Boston, MA, US. 18/7/2019
22. EUROPEAN SUMMER SYMPOSIUM IN ECONOMIC THEORY, Study Center Gerzensee, Switzerland. 8/7/2019
23. 17th ZEW Conference on the Economics of Information and Communication Technologies, Mannheim – Germany. 27/6/2019
24. CEPR/JIE School on Applied Industrial Organization, 13/6/2019
25. Workshop on Big Data and IA in Banking, U Paris 2, Paris, 2/6/2020
26. Workshop on Institution Individual Behavior and Economic Outcome. U Sassari. Alghero 6/2019 11.
27. 11TH Paris Conference on Digital Economics, Telecom ParisTech. 5/4/2019
28. First UniBg Economic Theory Symposium, Bergamo. 1/4/2019
29. 12th Digital Economics Conference January, Toulouse School of Economics. France. 10/1/2019 14. 2nd Workshop on Advances in Industrial Organization, U Bergamo. 26/10/2018
30. NBER conference on Economics of Artificial Intelligence. Toronto. 13/9/2018
31. Conference Celebrating 25 Years of the EU Single Market, Cambridge University, Judge Business School. 20/4/2018
32. 10th bi-annual Postal Economics Conference on “E-commerce, Digital Economy and Delivery Services” – Toulouse, France. 29/3/2018
33. Workshop IBEO - Institution Individual Behavior and Economic Outcome. Alghero 6/2017
34. IDEI-TSE-IAST conference on The Economics of Intellectual Property, Software and the Internet (2012 and 2017 editions)
35. EIEF-UNIBO-Bocconi industrial organization Workshop (EIEF 2013 edition, Bocconi 2016 Edition)

36. Media Conference, 2016 edition (U. Zurich, October 2016), 2012 edition (City University of New York - Hunter College) 2009 edition - U Siena (2009)
37. Lear Conference 2016 (Rome, Villa Farnesina, summer 2015)
38. Jornadas de Economia Industrial (Alicante, September 2015 - invited session),
39. Multi Sided Platform Workshop (Singapore University - 2013 edition)
40. ZEW ICT workshop (Mannheim - 2012 edition).
41. CISEI conference (University of Naples - 2012 edition)
42. Intertic Conference on Innovation (U. of Venice 2011 edition)
43. 3es et 4es Journées d'économie de la culture (Paris 2010)
44. The economics of payments (Federal Reserve New York - IV edition 2010)

## Teaching / Incarichi di insegnamento

### A. Courses

#### Bachelor

- Microeconomics II (in Italian - 48 hours, Secs P01), instructor, Bocconi University, a.a. 2009-2010, Corso di Laurea triennale in Discipline Economiche e Sociali (CLES) Approx. 100 students. **Years 2009, 2010, 2011.**
- Industrial Organization, (in English, 7 hours, Secs P01), guest lecturer, Università degli studi di Trieste, **Years: 2010, 2011, 2012.**
- Microeconomia (in Italian, 50 hours, 10 CFU, Secs P01), instructor, Undergraduate degree in Scienze Internazionali e Diplomatiche, Approx. 120 students. **Years Spring 2020 and Spring 2021.** 10CFU.
- Organizzazione Industriale (in Italian, 60 hours, 8 CFU, Secs P01), Instructor, undergraduate degree in Economics, Markets and Institutions, Università di Bologna, Approx. 200 students. **Fall 2020.**
- Microeconomics (in English, 60 hours, 10 CFU, Secs P01), instructor, Undergraduate degree in Business Administration, Approx. 120 students. **Years Spring 2023 (tor Vergata), Fall 2023 (Luiss).**
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#### Master

- Competition Policy – (in Italian 24 hours, Secs P01), instructor, Laurea Magistrale Discipline Economiche e Sociali - Università Bocconi – Approx. 50 Students., **2013.**
- Microeconomics (in English, 40 hours, Secs P01), instructor, laurea Magistrale in Economia e Finanza (LMEF), Università Federico II, Napoli. Approx. 40 students. **Years: 2014, 2015, 2016**
- Teoria dei giochi (in Italian - 30 hours, 6CFU, Secs P01), instructor, Corso di laurea specialistica in Economia e Management. Approx. 50 Students. **Years: 2017, 2018, 2019, 2020.** 6CFU
- Economia e politica della concorrenza (in italiano –15h, 6CFU, Secs P01), instructor, Corso di laurea specialistica in Economia e Management. Approx. 50 Students. **Years: 2017, 2018, 2019, 2020**

- Industrial Organization, Theory and applications (In English – 15h, 6CFU, Secs P01), Instructor, Laurea magistrale in Economics, Università di Bologna. **Years 2019, 2020**

#### **Ph.D.**

- Advanced Topics in Industrial Organization and Information Economics (in English, 15h, Secs P01), instructor, Ph.D. in Economics, Università di Bologna, Spring **2017**.
- Economics of Artificial Intelligence – Rome Economics Doctorate (LUISS-Tor Vergata-EIEF). Spring 2023

#### **Graduate Institutes**

- Economics of Artificial Intelligence (10 hours) – instructor, Barcelona Graduate School of Economics, Summer school. July 2021, 2022, 2023.

#### **B. Teaching Assistance / Tutoraggi**

- TA for Economics of Corporate Governance (Prof. Mike Burkart), undergraduate degree in Finance, Stockholm School of Economics, Spring 2006.
- TA for Microeconomics II, Ph.D. graduate sequence (Prof. Patrick Rey), Universite de Toulouse 1, Fall 2007.

#### **C. Supervision / Mentorship**

##### **Post-Doctoral fellows**

- Maximilian Shafer (2020-2021)

##### **Ph.D. students**

- Vito Stefano Bramante (expected – 2024), In English.
- Francesco Clavara Braulin, completed in 2020, In English.

##### **Master students**

- Luca Roncoroni (2020, MA in Economics and Management, main advisor)
- Riccardo Pesci (2020, MA in Economics, main advisor)
- Stefano Benni (2020, MA in Economic and Management, main advisor)
- Stefano Usai (2020, MA in Economics & Management, main advisor)
- Elisabetta Bitelli (2019, MA in Economics & Management, main advisor)
- Luca Bennati (2019, MA in Economics, main advisor)
- Andrea Perciaccante, (2018, MA in Economics & Management, main advisor)

##### **Bachelor students**

- Aina Turillazzi Fornes (2020, CL Business and Economics (CLABE))

## **Other experiences and competences**

### **A. Institutional activities**

- Director of the Ph.D in Economics and Finance (Università di Roma, Tor Vergata) 2022-2023.
- Coordinator of the Senior International Job Market committee A.Y. 2020-2021
- Member of the working group for the VQR (research assessment exercise). 1.7.2020 – 1.4.2021
- Job market Ph.d. students placement officer, a.y. 2020-2021.
- Delegato al Consiglio del Centro Interdipartimentale “Alma Mater Research Institute for Human Centered Artificial Intelligence.” 2020 – ongoing.
- Alma Orienta. Presenting CLAMEM degree to prospective students. 2020.
- Commissioner, entry test (test d’ingresso TOLC). 2020.
- Head of the selection committee for a post-doc position (presidente di commissione di selezione per assegni di ricerca), Department of Economics, U. of Bologna, 2020;
- Commissione attribuzione incarichi di tutorato (sede di Forlì). A.a. 2019-2020.
- Co-organizer of the department’s weekly external research seminars, Department of Economics, U. of Bologna, Years: 2019-2020, 2018-2019
- Member of the selection committee for two post-doc positions (commissione di selezione per assegni di ricerca), Department of Economics, U. of Bologna, 2019;
- Promotion of the Department’s BA courses among high-school students (lezione alle superiori), Department of Economics, U. of Bologna. Years 2019, 2021.
- Member of the Job market Committee 2019, U Napoli Federico II (candidate screening, Interviews at the EEA Winter Meetings (Dec. 2018) and flyouts).
- Member of the Ph.D. selection committee (commissione di selezione dei dottorandi, 34 ciclo), Department of Economics, U. of Bologna, 2018.
- Elected Member of the Department’s Executive Board (Giunta), Department of Economics, U. of Bologna, 2018.
- Review of Economic studies Tour 2017 working group (presentazione proposta al comitato editoriale della rivista e organizzazione convegno)
- Organizer of the Job Market talks, Years: 2017, 2018.

### **B. Organization of scientific meetings**

- Organizer UniBO-IGIER-EIEF Industrial Organization Workshop, Milan, December 2019.
- Organizer, 4<sup>th</sup> Economics of Platforms Workshop, University of Bologna May 2019
- Organizer UniBO-IGIER-EIEF Industrial Organization Workshop, Bologna, December 2018.
- Organizer, 3<sup>rd</sup> Economics of Platforms Workshop, EIEF, Rome. May 2018
- Organizer, LEAR conference 2015 on the Economics of Competition Law, Villa Farnesisna Rome. (Key speakers: S Athey, H Varian, P McAfee, T Valletti, J Levin, J Gans, A Hortacsu)
- Organizer 9<sup>th</sup> IBEO workshop on institutions, Individual Behavior and Economic Outcomes, 19-22 June 2018. Keynote: Hal Varian.
- Organizer of the Review of Economic Studies Tour / May Meetings, edition 2017 (U. Bologna)

- Organizer of the Review of Economic Studies Tour / May Meetings, edition 2015 (U. Napoli Federico II)
- Organizer of the Media Conference (2014 Edition. U. of Napoli Federico II 2014. Keynote: Mark Armstrong)

**C. Personal skills and competences**

- Computer Skills: *Windows, Mac OS; Microsoft Office and OpenOffice packages, LaTeX and Scientific Workplace; Matlab, Octave, Wolfram Mathematica, Stata*
- *Languages*: Italian (mother tongue), English (proficient), French (good).