

# Ghassane Benmir

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## Research Interests

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My **Primary** research interests include macroeconomics, asset pricing, environmental and climate change economics, monetary and financial economics, and heterogeneity and inequality.

My **Secondary** research interests include applied econometrics, political economy, and public policy.

## Education

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<b>London School of Economics and Political Science – LSE</b>	London, UK
PhD. Essays in Macro-Finance	2023
MPhil & MSc in Economics – Environmental Economics	2020
<b>PSL Research University – <i>Université Paris Dauphine</i></b>	Paris, France
PhD. Essays in Macroeconomics	2023
PhD Summer School in Machine Learning for Economics and Finance	2021
MRes in Economics – Monetary Economics (Distinction, Valedictorian)	2017
Ex.MSc in Finance (High Honours, Salutatorian)	2016
MRes in Management – Strategy & Business Consulting	2014
<b>University of Chicago</b>	Illinois, US
Macro Finance Research Program (MFR) 2022 Summer Session for Young Scholars	2022
<b>University of Oxford</b>	Oxford, UK
PhD Summer School in Advanced Macroeconomics	2020
<b><i>Università Commerciale Luigi Bocconi</i></b>	Milan, Italy
MSc Dual Program with Paris Dauphine: Economics	2017
<b><i>Institut Mines – Télécom</i> (Ex - <i>Institut National des Télécommunications</i>)</b>	Evry, France
MSc in Engineering of Information Systems: <i>Parcours Grande École</i>	2013
<b><i>Lycée Faidherbe</i></b>	Lille, France
<i>Classes préparatoires MP (Math/Physique) (~B.S.)</i>	2009
Two to three years intensive courses designed for entrance into top French Engineering and Business Schools (specialisation in mathematics & physics)	

## Teaching Experience

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<b>London School of Economics and Political Science – LSE</b>	London, UK
Teaching Fellow – Department of Economics	
September 2021 – Present	
<ul style="list-style-type: none"> <li>• Math for Micro and Macro (EC400) for Dr. Francesco Nava and Dr. Dmitry Mukhin (Michaelmas 2022)</li> <li>• Microeconomics (EC1A3) for Pr. Ronny Razin (Michaelmas 2021). Instructor Evaluation: 4.8/5</li> <li>• Macroeconomics (EC1B3) for Dr. Antonio Mele (Lent 2022). Instructor Evaluation: 4.7/5</li> <li>• Macroeconomics (EC1B5) for Dr. Rachel Ngai (Lent 2022). Instructor Evaluation: 4.7/5</li> </ul>	
September 2020 – September 2021	
<ul style="list-style-type: none"> <li>• Economics B - Micro (EC102) for Pr. Ronny Razin (Michaelmas 2020). Instructor Evaluation: 4.7/5</li> <li>• Economics B - Macro (EC102) for Dr. Antonio Mele (Lent 2021). Instructor Evaluation: 4.9/5</li> </ul>	

Graduate Teaching Assistant – Department of Economics  
September 2019 – September 2020

- Economics B - Micro (EC102) for Pr. Ronny Razin (Michaelmas 2019). Instructor Evaluation: 4.5/5
- Economics B - Macro (EC102) for Pr. Francesco Caselli (Lent 2020). Instructor Evaluation: 4.8/5

**PSL Research University – *Université Paris Dauphine***

Paris, France

Adjunct Lecturer – Department of Economics (MSO)

September 2020 – Present

- Econometrics II: Time Series (MSc Economics and Finance) (Michaelmas 2020). Instructor Evaluation: Excellent.

Graduate Teaching Assistant – Department of Mathematics (MIDO) and Department of Economics (LSO/MSO)  
January 2018 – June 2021

- Macroeconomics (BSc Mathematics) for Pr. Richard Dutu (Lent 2018, Lent 2019, Lent 2020, and Lent 2021). Instructor Evaluation (the 3 years average): Excellent.
- Introduction to Economics (BSc Economics) for Pr. Richard Dutu (Michaelmas 2019). Instructor Evaluation: Excellent.

**University College London – UCL**

London, UK

Graduate Teaching Assistant – Department of Economics

September 2020 – August 2021

- Economics of Financial Markets (ECON0001). Instructor Evaluation: 4.7/5

**Imperial Business School**

London, UK

Graduate Teaching Assistant – Department of Executive Education

February 2021 – April 2021

- Macroeconomics

## Working Papers

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G. Benmir, "The Net-Zero Distributional Costs: A Heterogeneous Agent Perspective" 2022 (JMP).

G. Benmir, J. Roman, "Endogenous Abatement Technology." 2021.

G. Benmir, "Macro-finance, Uncertainty, and Climate Change" 2021.

G. Benmir, I. Jaccard, G. Vermandel, "Green Asset Pricing." ECB WP Series - No. 2477. 2020. »

G. Benmir, J. Roman, "Policy Interactions and the Transition to Clean Technology." Grantham Research Institute - LSE WP Series - 337. 2020. »

G. Benmir, "Underground Transportation and House Prices in Suburban Paris" 2019.

## Work in Progress

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G. Benmir, " $r^*$  under the presence of the climate externality" 2022.

G. Benmir, J. Roman, L. Taschini "Weitzman Meets Taylor: ETS Futures Drivers and Smart Pricing Policy" 2022.

G. Benmir, I. Jaccard, G. Vermandel, "Macroeconomic policy responses to the Covid-19 cycle" 2022.

## Policy Papers

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G. Benmir, J. Roman, "Carbon taxes alone won't stop climate change." LSE Business Review. May 2020. »

G. Benmir, I. Jaccard, G. Vermandel, "A time-varying carbon tax to protect the environment while safeguarding the economy." VOXeu. 2021. »

## News Papers

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"Failure to Tackle Climate Change Suppresses Rates, ECB Study Says." Bloomberg. October 2020. »

## Books Chapter

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"Combatting Climate Change: A CEPR Collection." CEPR. November 2021. »

## Conferences Presentation

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2022: GRI LSE, LSE Department of Economics Environment Week, Bank of Lithuania, University of Chicago – MFR, QCGBF King's College London Annual Conference (2022), Theories and Methods in Macro (T2M), The American Economic Association (ASSA) – (poster session), PSL Research Economics and Finance Seminar, European Institute on Economics and the Environment Seminar Series (EEIE).

2021: MIT (GCFP), The European Finance Association (EFA), The Central Bank Research Association (CEBRA), Money Macro and Finance Society (MMF), The European Association for Environmental and Resource Economics (EAERE), Computing in Economics and Finance (CEF), The Canadian Economic Association (CEA), The American Economic Association (ASSA), PSL Research Economics and Finance PhD Seminar, The Sustainable Macro Conference.

2020: The European Economic Association (EEA), Computing in Economics and Finance (CEF) – (Canceled), ECB Research Directorat - Monetary Policy Seminar Series, ECB International Directorat - Interantional Policy Seminar Series, LSE Macroeconomics PhD Seminar, LSE G&Y PhD Seminar.

## Referee Services

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The Scandinavian Journal of Economics, The Grantham Research Institute (LSE) Working Paper Series.

## Professional Experience

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**The European Central Bank - ECB Monetary Policy Research Directorate** Frankfurt, Germany  
Guest

July 2022 and January 2020 – February 2020

- Working on a research project on green asset pricing and optimal monetary policy in time of covid-19;
- Liaising with ECB economist (Ivan Jaccard) on the topic.

**BMcR & Associates (consultancy group)**

France, Morocco

Senior Advisor

January 2018 – September 2018

- Assessing the value of green investment through macroeconomics modeling;
- Leading research seminars and studies on local strategy development;
- Formalizing and presenting final report and recommendations to different state stakeholders.

**Ernst & Young LLP**

France, Canada, China, the Netherlands, Saudi Arabia, Singapore, South Africa

Senior Consultant, EY Advisory

October 2014 – February 2018

Missions principally focused on Management & Operational Strategy as well as Financial & Innovation Projects, including developing methodologies for evaluations across multiple sectors; conducting interviews (including with high-level international personnel); leading expert workshops; designing and implementing large scale questionnaires and surveys; conducting background research and documentary review; collecting & cleaning, integrating data and statistical analyzing; conducting benchmarks; drafting intermediary and final reports destined for public release and high-level decision makers; project management for a 1 million euro+ assignment implemented by a multinational consortium led by EY; development of over a dozen proposals for services. Selected examples of missions include:

Power & Utilities

- Strategic due diligence (for a world energy leader):  
Performed an activity diagnosis (development cycles, development perspectives, product distribution, etc.), a productive and commercial diagnosis as well as a risk analysis (e.g. production management, etc.).
- Strategic alignment (for a world environment/energy services leader):  
Identified and planned a new strategy to align all business processes of acquired subsidiaries on 5 continents; reviewed governance implementation of all core divisions "Environment, Manufacturing, Management ..."; analyzed the segregation of duties (SOD) matrix and all accesses for the critical business transactions; formalized and presented recommendations and initiated good practices discussions with top management; provided ad-hoc support in the development of the implementation of the new processes.

Government Public Sector (GPS)

- Policy evaluation and analysis (European Commission):  
Analyzed, reviewed and suggested new security policies to be implemented within the European Commission.
- Economic evaluation of public health programs (for a French governmental institution):  
Analyzed and reviewed all 2015 implemented projects within the French healthcare social system institutions liaising with key and high profile directors and judges to develop accurate descriptions of relevant deliverables; studied the impact and financial risks related to statistical methods used to calculate the provisions for the 2016 fiscal year mainly with SAS programs; edited and drafted sections of final report.
- Statistical study on performance measurement (for a French health governmental institution):  
Conducted statistical analysis; and presented conclusions and recommendations to the management.

**Air France - KLM**

France, the Netherlands and Hungary

Strategy/Business Analyst, Finance &amp; Economic Department

September 2013 – October 2014

- Governance policy assessment through financial restructuring: managed system restructuring, assessed as well as evaluated the current business processes and helped mitigating related risks, strengthened internal controls and helped improving business performance related to environmental friendly policies;
- Analyzed, evaluated, and proposed enhancement for all financial business processes through conducting interviews within different stakeholders to help determine and identify departmental needs, as well as studied and proposed improvement solutions to reduce environmental waste;
- Constructed specifications, KPIs, and assessed the request for proposal (RFP) elaboration as well as the scoring matrix; and analyzed RFP responses and assessed the committee on the choice of the proper new information system, resources and controls to maximize efficiencies and minimize risks.

**BNP Paribas Corporate & Investment Banking (CIB)**

Paris, France

Junior Strategy Analyst, Strategic Management "Finance &amp; Development"

January 2013 – July 2013

- Proposed and implemented an appropriate strategic action plan through defining and implementing the CIB Finance & Development internal wiki regrouping all projects within "Finance & Development" department; and built and proposed operational recommendations for finance transformation projects enhancement.

**BNP Paribas Securities Services**

Paris, France

Junior Analyst, Financial Information Systems (FIS)

July 2011 – January 2012

- Developed and managed financial IS within BNP Paribas Securities Services; helped enhancing financial IS platforms for internal clients through conducting interviews with financial risk department based in Belgium and Luxembourg and developing as well as managing market and client update platforms; as well as prepared and posted frequent market updates and weekly newsletters regarding liquidity issues.

## Selected Awards

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- QCGBF Best Young Economist Prize Runner-up (2022) – (1000 pounds).
- LSE Department of Economics - Highly Commended Teaching Award (2022) – Amount undisclosed.
- The European Finance Association Best Paper Prize in Responsible Finance Award (2021) – 3000 euros.
- LSE Teaching Award - Nominated by students for both "Exceptional Teaching in an Unprecedented Year" and "Excellent Feedback and Communication" (2021).
- LSE Department of Economics - Excellence in Teaching Award (2021) – Amount undisclosed.
- EAERE - Young Scholar Grant (2021) – 1500 euros.
- LSE Department of Economics - Excellence in Teaching Award (2020) – Amount undisclosed.
- Grantham Research Institute on Climate Change and the Environment - LSE PhD Scholarship (2019-2023).
- PSL Research – University of Paris Dauphine Best MRes Economics Thesis (2017).
- PSL Research – University of Paris Dauphine MRes Economics Best Overall Performance (2017).
- Moroccan Ministry of Higher Education & Scientific Research Graduates Honors Scholarship (2011-2014).
- *Institut Mines – Télécom* Graduates Honors Scholarship (for the academic year of 2010-2011).

## Skills

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### Languages

Arabic (native), French (native), English (bilingual), Spanish (basic)

### Programming

Econometrics: Matlab, Dynare, Python, R, Stata, SAS, ArgGIS.

Others: Excel advanced and VBA, Java, HTML, SQL.

### Project Management Certifications

Agile Scrum Master 1, ITIL v3 Foundation

### Additional Leadership

Keynote speaker for the Annual Program for African Leadership - LSE (Pfal) (2021-2022).

Mentoring for the Program for African Leadership - LSE (Pfal) (2020-2021).

Program host for LSE Destination North Africa (2020).

Program for African Leadership - LSE (Pfal) (2018-2019).

General Assembly Student's Representative Vice-President of 2014 Nobel Peace Prize Nominee Cité Internationale Universitaire de Paris "CIUP" (2012-2013).»

Committee President, Canadian House, CIUP (2011-2013).

## References (alphabetical order)

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**Professor Simon Dietz**

London School of Economics and Political Science  
Grantham Research Institute  
Houghton St, Holborn, London WC2A 2AE,  
United Kingdom

**Dr. Antonio Mele (Teaching)**

London School of Economics and Political Science  
Department of Economics  
Houghton St, Holborn, London WC2A 2AE,  
United Kingdom

**Professor Luca Taschini**

London School of Economics and Political Science  
Grantham Research Institute  
Houghton St, Holborn, London WC2A 2AE,  
United Kingdom

University of Edinburgh Business School  
Department of Finance  
29 Buccleuch Pl, Edinburgh EH8 9JS,  
United Kingdom

**Dr. Ivan Jaccard**

The European Central Bank (ECB)  
Research Directorate – Monetary Policy Department  
Sonnemannstrasse 20 (Main Building) 60314 Frankfurt  
Germany

**Professor Ben Moll**

London School of Economics and Political Science  
Department of Economics  
Houghton St, Holborn, London WC2A 2AE,  
United Kingdom

**Dr. Gauthier Vermandel**

École Polytechnique  
Department of Applied Mathematics  
Rte de Saclay, 91120 Palaiseau  
France

PSL Research University – Université Paris Dauphine  
Department of Economics  
Pl. du Maréchal de Lattre de Tassigny, 75016 Paris,  
France