Alper Odabasioglu

Areas of Expertise and Research Interests

Systemic Risk, Financial Market Infrastructures, Banking, Financial Instruments and Markets *with emphasis on* Stress-Testing, Listed and OTC Derivatives, Repos, CCPs, Market Risk, Counterparty Credit Risk, Liquidity Risk, Model Risk, Margining, Market & Funding Liquidity, Collateral & Haircuts, Backtesting, Sensitivity Analysis, Procyclicality, Amplification Mechanisms, Fire sales, Interconnectedness, Contagion, Endogenous Risk, Climate Risk, Agent Based Modelling, System-wide Stress Testing, Financial Crises, CCP Recovery & Resolution, Shortened (T+1) Settlement Cycles, FMI Cloud Adoption, Defi/DLT, Cross-border Payments, Computational & Optimization Methods, Stochastic Processes and Risk Factors, (Stressed) VaR/ES, FHS, EEPE, PFE, XVA, IRC, IMM, DIM, SIMM, UMR, EMIR, Basel 4, FRTB, CRR III & CRD VI, *with the aim to contribute to* Financial Stability & Regulation, Macro-prudential Policy & Tools, Quantitative Risk Management.

Work Experience

Bank of Canada, Ottawa, ON, Canada — **October 2018 – present**
Senior Economist – Financial Stability and Supervision Departments

London School of Economics and Political Science, UK
Research Associate – Systemic Risk Centre — **April 2019 – present**
Research Fellow – Systemic Risk Centre — **August 2015 – March 2019**

European Central Bank, Frankfurt, Germany — **July 2016 – December 2016**
External Consultant – European Systemic Risk Board Secretariat

University of Geneva – GFRI, Switzerland — **September 2010 – July 2015**
Teaching Assistant – Finance graduate courses (R. Gibson Brandon)

University of Zürich – Swiss Banking Institute — **September 2007 – August 2010**
*COMISEF** Early Stage Research Fellow (R. Gibson Brandon and M. Paolella)

J. W. Goethe University, Frankfurt, Germany — **October 2006 – March 2007**
Teaching Assistant – Advanced Macroeconomics graduate courses (D. Krüger and K. Adam)

Center for Financial Studies, Frankfurt, Germany — **January 2006 – July 2007**
Database and Content Management System Consultant

Accenture, Istanbul, Turkey — **June 2005 – October 2005**
Consultant for Financial Services

HSBC Bank, Istanbul, Turkey — **October 2000 – May 2005**
Project Manager, Database Expert and Software Developer

Education

Massachusetts Institute of Technology, Cambridge, USA — **Spring-Summer Sem. 2015**
Ph.D. Visiting, Finance
- Host supervisor: Prof. Andrew W. Lo

Swiss Finance Institute – University of Geneva — **September 2010 – March 2015**
Ph.D., Finance (Geneva School of Economics and Management)
- Dissertation title: "Three Essays in Financial Economics: Feedback Mechanisms in Financial Markets and Agency Problems"
- Thesis committee: Prof. Rajna Gibson Brandon (supervisor), Prof. Thierry Foucault, Prof. Jean-Charles Rochet, Prof. Olivier Scaillet

HEC Paris, France **March 2014**

Ph.D. Visiting, Finance

- Host supervisor: Prof. Thierry Foucault

University of Zürich, Switzerland **September 2007 – August 2010**

*COMISEF** Early Stage Research Fellow trainings in EU & Ph.D. level course-work in Finance
*Computational Optimization Methods in Statistics, Econometrics and Finance (*COMISEF*) is a Marie Curie Research Training Network within European Union.

J. W. Goethe University, Frankfurt, Germany **October 2005 – November 2007**

M.Sc., Quantitative Economics

Boğazici University, Istanbul, Turkey **September 2001 – July 2004**

Masters in Business Administration

Middle East Technical University, Ankara, Turkey **October 1996 – June 2000**

B.Sc., Electrics and Electronics Engineering and Minor, Operations Research

Work in Progress

Odabasioglu, A. and Rodrigo, H., "Margin Procyclicality Metrics Design, Target Setting and Monitoring for Central Counterparties."

Anderson, R. and Odabasioglu, A., "Systemic Risk Assessment of Major Trading Groups in Interest Rate Derivatives," ESRB/ECB EMIR Bridge Programme (Trade Repository Derivatives Dataset).

Working Papers & Publications

Brennan, K., Odabasioglu, A., Raykov, R. and Young Chang B. (2025), "Stress Testing Central Counterparties for Resolution Planning," Bank of Canada - Staff Analytical Paper No. 2025-11.

Odabasioglu, A. (2023), "Procyclicality in Central Counterparty Margin Models: A Conceptual Tool Kit and the Key Parameters," Bank of Canada - Staff Discussion Paper No. 2023-34.

Gibson, R. and Odabasioglu, A. (2021), "Banks' Lobbying Determinants: Insights from the GFC and the Trump Presidency," European Corporate Governance Institute – Finance Working Paper No. 784/2021.

Odabasioglu, A. (2018), "Informed Trading Uncertainty, Amplification Mechanisms and Persistent Price Deviations."

Odabasioglu, A., Uthemann, A. (2016), "Taxing Financial Transactions as a Policy Instrument: Implications for Market Quality."

Odabasioglu, A. (2016), "Managerial Strategic Investment with Agency and Competition in a Real Options Framework."

Professional Services and Distinctions

Referee for Journal of Financial Market Infrastructures

Canadian Financial Economics Network (CFEN) Study Group Member

Bank of Canada contributor for the *BCBS-CPMI-IOSCO* Final report on "Transparency and responsiveness of initial margin in centrally cleared markets - review and policy proposals", 2022 – 2025

Chair for FMI & Fintech sessions at the Annual Meetings of Canadian Economics Association, 2024

Scientific Committee for the Annual Meetings of Canadian Economics Association, 2024

Nominated for Bank of Canada Award of Excellence for an inter-departmental FMI project, 2023

Co-organizer and Chair for the Systemic Risk in Derivatives Markets conference at LSE, 2016

Swiss National Science Foundation Early Postdoc Fellowship ($\sim$ CHF 100'000), 2015 – 2017

Travel grants by Swiss Academy of Humanities and Social Sciences (SAHS), 2013, 2014

Graduate studies admission exam (LES), Turkey: Ranked 67^{th} among ca. $40,000$ participants, 2000

Middle East Technical University: Graduated with Honors in Engineering, 2000

University admission exam (ÖYS), Turkey: Ranked 749^{th} among ca. 1 million participants, 1995

Skills and Personal Information

Computer:

- Programming / Statistics : R, Python, Matlab, C++, Stata, Eviews, SQL, Tableau, Power BI.
- Databases: EMIR/Trade Repository Dataset, GLEIF, MTRS, WRDS (Bank Regulatory, Bureau Van Djik, Bankscope, Orbis, CRSP, Compustat, Markit), Datastream, LexisNexis, Bloomberg.
- Others: Hadoop (Big Data, HDFS, MapReduce), High-Performance Computing, Linux, LaTeX.

Language:

- English (Fluent), German (Advanced), Spanish (Intermediate), French (Intermediate)