

Selman Erol

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Positions

Assistant Professor of Economics, C.M.U. Tepper School of Business, 07/2017 - current.
Postdoctoral Associate, M.I.T. Department of Economics, hosted by Daron Acemoglu, 08/2016 - 07/2017

Education

Ph.D. Economics, University of Pennsylvania, 2016

Thesis title: Network Formation and Its Impact on Systemic Risk

Committee: Rakesh Vohra (chair), Guillermo Ordonez, Andrew Postlewaite, Camilo Garcia-Jimeno.

M.A. Economics, Bilkent University, 2009

B.Sc. Mathematics, Bilkent University, 2007

Research

Research Interests: Network Formation, Financial Networks, Economic Theory.

Working Papers

- Network Hazard and Bailouts (Best Job Market Paper Runner-up Prize, Finance Theory Group)
- Network Formation and Systemic Risk (with Rakesh Vohra)

Work in Progress

- Inefficient Lending Chains and Financial Collapse (with Daron Acemoglu)
- Excessive Complexity in Financial Products (with Daron Acemoglu)
- Insider Networks (with Michael Junho Lee)
- A Network Theory of Civil Liberties and Social Structure (with Camilo Garcia-Jimeno)
- Networks and Monetary Transmission (with Pablo D'Erasmus and Guillermo Ordonez)
- Interbank Networks in the Shadows of the Federal Reserve Act (with Haelim Park Anderson and Guillermo Ordonez)

Published Papers

- Network Reactions to Banking Regulations
(with Guillermo Ordonez, at Journal of Monetary Economics, 2017)
- Negative Certainty Independence without Betweenness
(with David Dillenberger, at Economics Letters, 2013)
- Existence, Optimality and Dynamics of Equilibria with Endogenous Time Preference
(with Cuong LeVan and Cagri Saglam, at Journal of Mathematical Economics, 2011)

Presentations and Discussions

2019. *Invited*: Oxford (scheduled).

2018. *Invited*: UPenn Warren Center / Columbia INET / Cleveland FED (scheduled). *Other*: NSF Network Science in Economics Conference (Vanderbilt).

2017. *Invited*: Yale Cowles Macro (discussion), Yale SOM Marketing / USC FIFI (discussion) / Office of Financial Research / MIT LIDS / UPitt / PUC. *Other*: SED Edinburgh / MIT Economics Theory Brownbag / FTG London / NASN Washington D.C. / LAEF OTC Workshop (UCSB).

2016. *Invited*: UNC Chapel Hill, Economics / Columbia INET / Boston University, Economics / University of Rochester, Economics / JHU Carey, Finance / UMD Smith, Finance / CMU Tepper, Economics / MIT Sloan, Finance / The Interplay of Financial Regulations, Resilience, and Growth Conference (Philadelphia FED). *Other*: CRNYU Conference / Bosphorus Workshop of Economic Design / Econometric Society Summer Meeting (UPenn) / NSF Network Science in Economics Conference (Stanford).

2015. *Invited*: Philadelphia FED / CMU Tepper Economics. *Other*: Midwest Economics Theory and International Trade Meetings (PSU) / 11th World Congress of the Econometric Society / 3rd Summer School of the Econometric Society (University of Tokyo) / NSF Network Science in Economics Conference (Harvard).

Honors, Awards, and Grants

The Berkman Faculty Development grant, CMU
William Polk Carey Prize, UPenn (best dissertation, shared with Max Wei)
Young Scholar Award, Turkish American Scientists and Scholars Association
Best Job Market Paper Runner-up Prize, Finance Theory Group
Lawrence Robbins Prize, UPenn (best student in the first year, shared with Zehao Hu)
Silver Medal, 44th International Math Olympiads, Japan