

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)
- Insider Networks (with Michael Junho Lee)

Work in Progress

- Inefficient Lending Chains and Financial Collapse (with Daron Acemoglu)
- Excessive Complexity in Financial Products (with Daron Acemoglu)
- 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)
- Graphons and Contagion (with Asu Ozdaglar, Francesca Parise, and Alex Teytelboym)

Published Papers

- Network Reactions to Banking Regulations
(with Guillermo Ordonez, at Journal of Monetary Economics CRNYU, 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)

Professional Activities

Seminars

Scheduled: Edinburgh / Cambridge / Oxford / Oxford Said / LBS / PSE / IESE / EIEF / Alberto Collegio / 2018: Cleveland FED / Bilkent / 2017: Yale SOM Marketing / Office of Financial Research / MIT LIDS / UPitt / PUCC / 2016: 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 / 2015: Philadelphia FED / CMU Tepper Economics.

Conferences

Scheduled: LAEF OTC Workshop, UCSB / 2018: UPenn Warren Center (invited) / Columbia INET (invited) / NSF Network Science in Economics Conference, Vanderbilt / 2017: SED Edinburgh / FTG London / NASN Washington D.C. / LAEF OTC Workshop, UCSB / 2016: The Interplay of Financial Regulations, Resilience, and Growth Conference, Philadelphia FED (invited) / CRNYU Conference / Bosphorus Workshop of Economic Design / Econometric Society Summer Meeting, UPenn / NSF Network Science in Economics Conference, Stanford 2015: 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.

Discussions

"Expectations, Networks, and Conventions" (Ben Golub and Steve Morris), Yale Cowles Macro 2017
 "Bank Networks and Systemic Risk: Evidence from the National Banking Acts" (Haelim Anderson Park, Mark Paddrik, Jessie Jiaxu Wang), USC FIFI 2017

Organization

Co-organizer, FTG Spring 2019 Meeting (with Ariel Zetlin-Jones)
 Co-organizer, Workshop on Networks and Systemic risk, Warren Center, UPenn, 2015 (with Rakesh Vohra)

Refereeing

European Economic Review / Games and Economic Behavior / International Economic Review / Journal of Financial Services Research / Journal of Monetary Economics / Journal of Political Economy / Management Science / Mathematical Social Sciences / Theoretical Economics.

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