

RAHMI ILKILIÇ

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Place and date of birth: Ankara, 26 October 1977

Turkish Citizen, Single

Education

Bogazici University	B.A. in Economics, 1999
Universitat Autònoma de Barcelona	M.A. in Economics, 2004 Ph.D. in Economics, 2007

Doctoral Dissertation

Title: Strategic Network Formation and Behavior on Networks
Supervisor: Antoni Calvó-Armengol

Employment

Visiting Assistant Professor Maastricht University, September 2007 – Present

Research Interests

Social and Economic Networks, Industrial Organization, Resource Economics, Game Theory, Implementation

Publications

Network of Commonly Owned Resources, (forthcoming) Economic Theory

Pairwise Stability and Nash Equilibrium in Network Formation (with Antoni Calvó-Armengol), International Journal of Game Theory, 38, 51-79

Job Market Paper

Cournot Competition and Cartel Formation on a Network of Markets and Firms

Abstract Suppose markets and firms are connected in a bipartite network, where firms

can only supply to those markets they are connected to. Firms compete *a la Cournot* and decide how much to supply to each market they have a link with. We assume that markets have linear demand functions and firms have convex quadratic cost functions. We show there exists a unique equilibrium in any given network of firms and markets. We provide a formula which expresses the quantities at an equilibrium as a function of a network centrality measure. Next, we study the impact of a merger between two firms. We find that in contrast to a simple Cournot model the merger affects the consumers and rival firms asymmetrically. Some consumers and rivals might be hurt from the merger while others benefit. Moreover, we analyze how a cartel including all the firms in the network would behave to maximize its total profit. We show that the cartel segments the markets among its members. Each firm operates only in the markets allocated to it and refuses to supply to others.

Submitted Papers

Clearing Supply and Demand Under Bilateral Constraints, with O. Bochet, H. Moulin and J. Sethuraman (Submitted to Theoretical Economics)

Egalitarianism Under Earmark Constraints, with O. Bochet, and H. Moulin (Submitted to Journal of Economic Theory)

Working Papers

A Noncooperative Definition of Pairwise Stability

Allocation Rules on Networks, with Çağatay Kayı

Teaching Experience

Equilibrium Theory and Financial Markets (for Masters) 2008 - 2009 -2010 , Maastricht University

Gender Economics (for Undergraduates) 2007 - 2008, Maastricht University

European Economic Integration (for Undergraduates) 2008 - 2009, Maastricht University

Earlier teaching experience as a T.A. in Universitat Autònoma de Barcelona
Microeconomics, Econometrics, Mathematical Economics (in Spanish)

References

Herve Moulin (Rice University)	+1 (0)713 348 3312	moulin@rice.edu
Bettina Klaus (Universite de Lausanne)	+41 (0)21 692 34 75	Bettina.Klaus@unil.ch
Olivier Bocher (Bern University)	+41 (0)31 631 41 76	olivier.bochet@vwi.unibe.ch

Organizations

Coordinator of Coalition Theory Network in Maastricht University

14th Coalition Theory Network Workshop in Maastricht University (103 participants) with a budget of 26.000€

Organizers: Rahmi İlkılıç, Bettina Klaus, Philipp Reiss, Arno Riedl

Awards and Grants

- Marie Curie Intra-European Fellowship, 2008-2010 (158.000 €)
- 2nd Murat Sertel Student Workshop, Istanbul, Turkey, The Young Economist of the Year Award, 2005
- 27th International Chemistry Olympiad, Beijing, China: Silver Medal, 1995
- 2nd National Science Olympiad, Ankara, Turkey: Gold Medal in Chemistry, 1994

Languages

Turkish	Native
English	Fluent
Spanish	Fluent
Portuguese	Advanced
French	Basic