

Accepted Manuscript

Title: An Experimental Study on Decentralized Networked Markets

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PII: S0167-2681(17)30295-0

DOI: <https://doi.org/doi:10.1016/j.jebo.2017.10.013>

Reference: JEBO 4173

To appear in: *Journal of Economic Behavior & Organization*

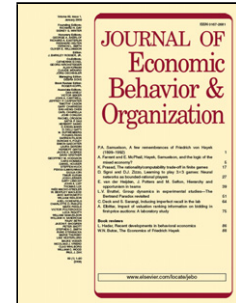
Received date: 22-3-2017

Revised date: 24-9-2017

Accepted date: 22-10-2017

Please cite this article as: Margherita Comola, Marcel Fafchamps, An Experimental Study on Decentralized Networked Markets, <![CDATA[*Journal of Economic Behavior and Organization*]]> (2017), <https://doi.org/10.1016/j.jebo.2017.10.013>

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An Experimental Study on Decentralized Networked Markets*

Margherita Comola[§] Marcel Fafchamps[¶]

October 2017

Abstract

We design a laboratory experiment to investigate matching in a decentralized market of deferred acceptance. Agents are undifferentiated and may have multiple partners; their payoff depends on who they match with. The experiment is designed in such a way that a stable configuration exists, but cannot be eyeballed by the participants due to the computational complexity of the game. In spite of this, subjects are remarkably good at reaching a stable match, even when the payoffs of others are not publicly observed. More information does, however, speed up convergence thanks to self-censoring. We trace irrational matching choices mostly to two sources: the tendency of over-think in a setting where strategic thinking is not necessary, and the reluctance to accept matching offers from those who have been disloyal in the past.

JEL codes: D85; C91; C92

Keywords: Decentralized matching; deferred acceptance; information; loyalty

*We have benefitted from comments from Michele Belot, Doug Bernheim, Francis Bloch, Yann Bramoullé, Tim Carson, Nicolas Jacquemet, Vai-Lam Mui, Muriel Niederle, Al Roth, Jean-Marc Tallon and participants to seminars in Stanford University, Monash University, the Paris School of Economics, Stockholm School of Economics and Cal Poly, as well as from participants to the conferences of Belgian Economists (2014) and of French Experimental Economics Association (2015). Funding for this research was provided by the Paris School of Economics.

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